



# Sacred Heart Academy

## *Curriculum Guide 2022-2023*

## MISSION STATEMENT

Sacred Heart Academy, founded by the Apostles of the Sacred Heart of Jesus in the Roman Catholic tradition and committed to the expression of strong Christian values and intellectual growth, provides a challenging college preparatory education for young women.

The School is a community which promotes the growth of the whole person in a caring environment that encourages personal integrity, compassion, justice and sense of responsibility to self, to others, and to the needs of society.

## GRADUATION REQUIREMENTS

Sacred Heart Academy's balanced curriculum provides each student with a well-rounded academic foundation upon which to build. In addition to core requirements that provide broad exposure across several disciplines, an extensive selection of elective courses allows students to pursue special areas of interest. Honors, Early College Experience, and Advanced Placement courses are available for those students who qualify. Graduation from Sacred Heart Academy requires the successful completion of **27 credits** distributed as follows:

<b>Department</b>	<b>Credit Requirement</b>
English	4.0
Mathematics	4.0
Theology	4.0
Science	3.0 (4 encouraged)
Social Studies	3.0
World Languages	2.0 (3 encouraged)
Fine Arts	1.0
Physical Education	1.0
Business and Computer Technology / Interdisciplinary	0.5
Electives	4.5

**Students in all grades are required to carry a minimum of 6.5 credits each year (with courses meeting during the school day), irrespective of their cumulative credit total earned towards the SHA graduation requirement (27 credits).** Students are encouraged to plan their courses of study with advisors, teachers, and parents, mindful of the fulfillment of basic course requirements, intended college major, interests, and academic strengths.

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## FRESHMAN CURRICULUM

SUBJECT AREA	COURSE	CREDITS
Business/Technology	Computer Applications	P/F
English	Intro. to Literary Genres	1.0
Fine Arts	Intro. to Fine Arts	0.5
World Language (*)	Span./ Lat/ Fren/Mand	1.0
Mathematics (*)	Algebra I/Geom./Alg.II	1.0
Physical Education	Physical Education	0.5
Theology	Theology I	1.0
Science	Biology	1.0
Social Studies	Human Geography	0.5
	Freshman Transition	P/F
<b>TOTAL REQUIRED CREDITS</b>		<b>6.5</b>

(\*) All incoming students are placed in the appropriate level math and world language as determined by the results of their Placement Tests in these subject areas.

## SOPHOMORE CURRICULUM

SUBJECT AREA	COURSE	CREDITS
English	British Lit.	1.0
World Language	Span./ Lat/ Fren/Mand	1.0
Mathematics	Geometry/Algebra II	1.0
Theology	Theology II	1.0
Science	Chemistry	1.0
Social Studies	Modern World History	1.0
<b>REQUIRED CREDITS</b>		<b>6.0</b>
<b>ELECTIVES</b>		<b>0.5</b>
		(1.0 encouraged)
<b>TOTAL REQUIRED CREDITS</b>		<b>6.5</b>
		(7.0 encouraged)

## JUNIOR CURRICULUM

SUBJECT AREA	COURSE	CREDITS
English	American Lit. or AP Lang	1.0
Mathematics	Algebra II/Pre-Calc/Calc	1.0
Theology	Theology III	1.0
Social Studies	U.S. History	1.0
<b>REQUIRED CREDITS</b>		<b>4.0</b>
<b>ELECTIVES (+)</b>		<b>2.5</b>
		(3.0 encouraged)
<b>TOTAL REQUIRED CREDITS</b>		<b>6.5</b>
		(7.0 encouraged)

(+) Students may elect to fulfill the PE II requirement as a junior or senior

## SENIOR CURRICULUM

SUBJECT AREA	COURSE	CREDITS
English (++)	World Lit	0.5
Social Studies (+++)	U.S. Government	0.5
Theology	Theology IV	1.0

(++) Students must complete at least 4 English credits to graduate. AP Literature meets the half-credit World Literature requirement and completes the four-credit graduation requirement in English.

(+++ Students must complete at least 3 Social Studies credits to graduate. AP Gov meets the half-credit U.S. Government requirement.

<b>REQUIRED CREDITS</b>	<b>2.0</b>
<b>ELECTIVES</b>	<b>4.5</b>
<b>TOTAL REQUIRED CREDITS</b>	<b>6.5 minimum</b>

## GRADING INFORMATION

AP/ECE, Excelsior and Honors courses are designed to challenge highly motivated students with proven study skills. Students who qualify for multiple challenging courses must carefully consider, with their parents and advisor, the number of these courses to select each semester. In order to advance to the next level in a subject, students who attend summer school must have approval from the principal/assistant principal and if deemed essential by them must pass the SHA final exam for the subject. A minimum 3.5 GPA constitutes Honors and 3.8, High Honors. Teachers will compute averages using the numerical equivalents. The computer will convert the letter grade into quality points to adjust the grading scale for course level.

### Grading Scale

Num. Equiv.	Letter Grade	CP	Honors	AP
		Qual. Point	Qual. Point	Qual. Point
97-100	A+	4.33	4.67	5.0
93-96	A	4.00	4.33	4.67
90-92	A-	3.67	4.00	4.33
87-89	B+	3.33	3.67	4.00
83-86	B	3.00	3.33	3.67
80-82	B-	2.67	3.00	3.33
77-79	C+	2.33	2.67	3.00
73-76	C	2.00	2.33	2.67
70-72	C-	1.67	2.00	2.33
67-69	D+	1.33	1.67	2.00
65-66	D	1.00	1.33	1.67
Below 65	F	0.00	0.00	0.00

## EXCELSIOR COURSES

Excelsior courses are our signature courses that distinguish our curricular offerings from the ones typically found in high schools. These form a unique category in our curriculum, distinct from AP and ECE. These courses have been designed to help students become proficient in problem-solving, independent thinking, communication, and collaboration – skills that are essential to meet the challenges of the 21<sup>st</sup> century. These courses involve student participation in external events such as competitions and community outreach activities at local schools. Students from these courses present their research/project to the entire school on a designated 'Excelsior Showcase Day'.

SHA's current Excelsior course offerings include:

Personal Finance

Honors Biotechnology Research Project

## ADVANCED PLACEMENT (AP) & EARLY COLLEGE EXPERIENCE (ECE) COURSES

AP and ECE classes are college-level courses and, as such, are more demanding. Students should expect more required reading, a heavier workload, and applications involving analytical reasoning.

### ADVANCED PLACEMENT (AP) COURSES

*The AP exam is required for each Advanced Placement class.* The College Board determines the fee, which is billed later, separately from tuition.

SHA's 23 AP course offerings include:

AP English Language & Composition AP English Literature

AP Spanish Language	AP French Language
AP Chinese Language & Culture	AP Latin
AP Calculus AB	AP Calculus BC
AP Statistics	AP Biology
AP Chemistry	AP Physics 1
AP Computer Science Principles	AP World History
AP U.S. History	AP Psychology
AP U.S. Government	
AP Computer Science A (^)	AP Environmental Science (^)
AP Human Geography (^)	AP Macroeconomics (^)
AP Music Theory (^)	AP Microeconomics (^)
<i>(^) Course offered through OneSchoolHouse (formerly Online School for Girls)</i>	

### EARLY COLLEGE EXPERIENCE (ECE) COURSES

UConn ECE courses allow students to earn college credit while enrolled at SHA. For all ECE courses, UConn will bill students separately.

SHA's UConn ECE course offerings are:

AP/ECE Biology	Honors / ECE Precalculus
AP/ECE Calculus AB	AP/ ECE Latin
AP/ECE French	Honors/ECE Mandarin Chinese IV

*NOTE: UConn instructors are announced in the early spring. At that time, students will be notified of any changes to the list of ECE-eligible courses.*

*UConn Early College Experience (UConn ECE) provides academically motivated students with the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head-start on a college degree and other postsecondary opportunities. UConn ECE Instructors are high school teachers certified by the University. UConn ECE faculty foster independent learning, creativity, and critical thinking - all important for success in college and careers. Sacred Heart Academy offers UConn ECE courses in Biology, PreCalculus, Calculus, Latin and French. To support rigorous learning, University of Connecticut academic resources, including library and online classroom access, are available to all UConn ECE Students.*

### ONESCHOOLHOUSE (formerly ONLINE SCHOOL FOR GIRLS)

Along with more than thirty girls' schools nationally, Sacred Heart Academy is a consortium member of the OneSchoolHouse, a non-profit institution whose mission is to "provide the best education in a digital environment for girls." This exciting addition to our academic program enriches learning opportunities for our students.

The benefits are many:

- Increased flexibility in scheduling; and
- Preparation for the online educational experiences our students will find in college and beyond

Juniors and seniors have the opportunity to discuss their plan to take an online course with the Assistant Principal especially if they would like it to count towards the credits required for graduation. Courses from OneSchoolHouse are listed on a separate OneSchoolHouse transcript – these are part of the student's academic record but are not included in GPA calculations at Sacred Heart Academy. Tuition for these courses

is not covered by Sacred Heart Academy. Since we are an affiliate school, our students receive tuition discounts. Full course descriptions can be found on the OneSchoolHouse website.

SHA's course offerings for credit through OneSchoolHouse are:

- Advanced Mathematics: Multivariable Calculus and Differential Equations (\*\*)
- AP Computer Science
- AP Environmental Science
- AP Human Geography
- AP Microeconomics
- AP Macroeconomics
- AP Music Theory
- Marine Science

(\*\*) If a student has completed AP Calculus BC & AP Statistics, SHA will cover the tuition for this course.

### ELECTIVE COURSES AND PRE-REQUISITES

The school reserves the right to cancel any elective class with insufficient enrollment.

**Student qualification for courses will be evaluated at time of student's course registration/request.** A student may request placement in AP/Honors/Classes with pre-requisites in June after Final Report Cards have been posted. However, **any upgrade requests at year-end will be based on availability.**

**For registration purposes, pre-requisites for ECE courses will be evaluated after Term 1.**

### SCHEDULE CHANGES AND/OR WITHDRAWALS

Course selections that are made in February for the following year may be changed until mid-June without penalty. After final grades are distributed, there will be a two-day period during which these changes may be made. These changes include course adds or drops related to pre-requisites. Any changes made after that time will be subject to a Schedule Change Fee.

**No course changes are made during the summer months. Students must wait until the first cycle of the school year to make a schedule change.**

Sacred Heart Academy does not allow students to change a course because of instructor preference. However, students may change a non-required course within the first cycle of each semester as long as the course has not reached its maximum enrollment. A parental signature and signatures of the teachers involved are required on the schedule change form along with the \$25.00 processing fee. Students may start or stop attending class only with a new schedule in hand.

Once the cut-off date has passed, permission to drop either a full year, non-required or semester elective is rarely granted, and only in extreme circumstances. The course name and grade will appear on the report card and transcript with a WD (withdrawn) in the appropriate column. Students do not receive partial credit for the time spent in the class. Once a transcript has been sent to a college as part of the college application process, the college will be notified in writing of any change in the applicant's course load.

**Any course change request for a second semester class will only be allowed if it does not impact any full year classes.**

# COURSE DESCRIPTIONS

## FRESHMAN TRANSITION PROGRAM

The freshman transition program is designed to give students the tools necessary to make the transition from middle school to high school successfully. Students gain a sense of empowerment and a feeling of self-worth, and consequently, are more motivated to learn. In addition to the curriculum presented in the classroom, students are further supported by individual intervention through the Student Learning Center. Students seeking extra help are welcome to make an appointment with the Director of Student Learning.

**101frtran Freshman Transition**  
GR 9 QP 4.33 ¼ CREDIT SEM

This course is designed to support students both academically and socially as they transition from middle school to high school. Students are encouraged to take charge of their own learning with the goal to improve their school performance. In becoming more independent learners, students feel more capable and gain a sense of empowerment. By being taught how to better learn, students feel more capable and consequently, are more successful in their learning. Study strategies, note-taking techniques, time management strategies, getting involved in extracurricular activities, communicating effectively, and organizational skills are stressed.

Note: Successful completion of this course is required for progression into sophomore year.

**201rfoun Freshman Foundation**  
GR 9 QP 4.33 ¼ CREDIT SEM

In the second semester of Freshman year, students delve deeper into their understanding of who they are as individuals and who they are in relationship to others. Students will explore public speaking and the many ways it is used in their personal, academic, and ultimately professional, lives. They will understand the concepts of interpersonal and intrapersonal relationships and how these concepts affect public speaking. Throughout the semester, students will research, write, and present an original TED Talk, a persuasive speech that demonstrates the students' new skills in public speaking.

Note: Successful completion of this course is required for progression into sophomore year.

## INTERDISCIPLINARY STUDIES

For those students interested in integrating knowledge from a variety of subject areas, courses in this section are geared as electives in preparation for higher education.

**001eth Bioethics**  
GR 10-12 QP 4.33 ½ CREDIT SEM

The promotion of human dignity in healthcare and life science is the very heart of bioethics. What can be learned from past mistakes where human dignity was violated? And what is the role of the Church in bioethics? This course examines and debates several bioethical controversies, both past and present, such as: the eugenics movement, the Tuskegee Syphilis Experiment, mandatory vaccination, stem-cell research, cloning, and genetic testing/screening. Lectures, debates, reflections, and student presentations provide the format for the course.

Prerequisite: Biology (814 or 817)

**007int Honors Fundamentals of Philosophy**  
GR 11-12 QP 4.67 ½ CREDIT SEM

The unexamined life is not worth living! From the very beginnings of philosophy in ancient Greece thousands of years ago to today, serious thinkers have engaged what are often called the Big Questions: is there a God, and what can we know about Him? What is reality? How ought I live my life? Does truth exist, and can we know it? Is there life after death? These questions will be examined considering the teachings of great philosophers such as Socrates, Plato, Aristotle, Augustine of Hippo, Anselm of Canterbury, Thomas Aquinas, Rene Descartes, David Hume, and Immanuel Kant.

Prerequisite: Final GPA of 3.67 or higher.

**002modra Modern Drama (Page to Stage) (2023-24)**

GR 11-12 QP 4.67 ½ CREDIT SEM

Moving from comedy to absurdism, from political protest to Broadway, students will experience a wide range of the fascinating drama that has been composed during the past century. Students will collaborate with theatre professionals from both the Long Wharf Theatre and Yale Repertory to gain further understanding of directing, designing, playwriting and performing. Students will form their own theatre production teams and create plans for revivals of a selected show, including marketing, outreach and performance details. Students will publish their proposals in the National Educational Theatre Arts student gallery.

**009wrel World Religions (2023-24)**

GR 11-12 QP 4.33 ½ CREDIT SEM

The desire for God is written on the human heart (Catechism of the Catholic Church #27). This course is a survey of the teachings of the major religions of the world and their relationship to the Catholic Church. The first half will explore the Western Abrahamic religions, focusing on non-Catholic Christianity, Judaism, and Islam. The second half will be devoted to the religions of the East, particularly Taoism, Buddhism, and Hinduism.

## BUSINESS AND COMPUTER TECHNOLOGY

The Business and Computer Technology Department provides opportunities for students to expand their knowledge of aspects of the business world, including technology, marketing, management, and personal finance. One-half credit is required for graduation.

**115cmprapp Computer Applications**

GR 9 PASS/FAIL SEM

This first-semester course provides first-year students with the tools and skills necessary to utilize technology effectively. It begins with understanding the Acceptable Use Policy for Technology and an overview of computer applications in our one-to-one laptop initiative. This course will serve as an introduction to computer technology with topics including computer hardware, software, networking, information security, and the basics of computer science. The balance of this course concentrates on developing proficiencies in current applications and technology through hands on experience and computational thinking.

**156entre Entrepreneurship and Small Business Management**

GR 10-12 QP 4.33 ½ CREDIT SEM

Throughout this hands-on course students develop the skills to effectively organize, develop, and manage their own business. These skills include idea generation, feasibility and risk assessment, marketing, management, customer service and financial projections. This course culminates with a Shark Tank - inspired exercise where students pitch their business concept to a team of professionals who will decide whether to invest in their idea.

**157finance Personal Finance**

GR 11-12 QP 4.33 ½ CREDIT SEM

This is a half-year course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Students will experience real world scenarios and use strategies covered in the course to help them make sound financial decisions. Students will design personal budgets; simulate use of checking and saving accounts; demonstrate knowledge of the stock market; evaluate and understand student debt, the cost of living, taxes, and more. This course will utilize the school's Bloomberg Financial Markets Lab where students have access to the Bloomberg Terminal. Upon successful completion, all students will become Bloomberg Market Concepts (BMC) Certified.

**158itasst Information Technology Assistant**

GR 11-12 QP 4.33 ½ CREDIT SEM

This semester internship offers students with information technology skills to serve as an assistant in the Information Technology department. The IT interns will research and implement multiple aspects of technology – new as well as updates to our current technology. The IT interns will be required to assist in set-up for school events such as open house, honors convocation and graduation.

Prerequisite: Recommendation from Director of Information Technology. *Enrollment is limited to 6 students.*

*Note: This course does not fulfill the Physical Education and Health II requirement.*

**192cspAP AP Computer Science Principles (Advanced Placement)**

GR 11-12 QP 5.0 1 CREDIT YEAR

This full-year, rigorous, entry-level course introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. This course follows Code.org's Computer Science Principles curriculum. Code.org is recognized by the College Board as an endorsed provider of curriculum and professional development for AP Computer Science Principles. AP exam fee applies.

Prerequisite: [4.0 average in recent Science (Yearlong or Two Semester courses) and Math Course] **OR** [3.67 average in recent Science and Math course **AND** 3.8 Final GPA for the year].

**ENGLISH**

The English Department strives to provide students with a strong foundation in critical reading, analysis and writing through required courses that address grammar, vocabulary, composition and literature. Elective courses offer an opportunity to study a particular aspect of English, whether writing-based or literature-driven. In all English classes, students regularly use technology for research, writing, and presentations. Four credits are required for graduation.

**214engI Introduction to Literary Genres and Basic Composition**

GR 9 QP 4.33 1 CREDIT YEAR

This course introduces students to the genres of fiction, non-fiction, drama, and poetry. It exposes students to the language of literature and teaches them how to read each genre critically. The course also fosters

the development of writing skills, incorporates both critical and creative assignments, and includes grammar and vocabulary components.

**217engIH Honors Introduction to Literary Genres and Basic Composition**

GR 9 QP 4.67 1 CREDIT YEAR

This course is offered to students who have qualified based on their English scores on the entrance test. Like English I, this course introduces students to the genres of fiction, nonfiction, drama, and poetry; exposes students to the language of literature; and teaches them how to read each genre critically—but it does so in greater depth. The course also fosters the development of writing skills, incorporating both critical and creative assignments, and includes grammar and vocabulary components. Individual assignments/projects complement the material covered in class.

Prerequisite: A student may enroll in this class based on her performance on the high school entrance exam.

**228engII British Literature**

GR 10 QP 4.33 1 CREDIT YEAR

Britain has a long literary tradition which has been spread throughout the commonwealth. To understand and appreciate the various ways authors respond to the values and stories brought to the world from classic British writers, this class begins with some of the classics, and discusses the ideas and values they represent. As the class moves into more modern literature, diverse voices from Britain and nations that were part of their colonization are studied, bringing varied responses to the mix of British values with those of modern writers.

Note: The successful completion of the research paper during sophomore year is required in order to advance to junior year.

**229engIII Honors British Literature**

GR 10 QP 4.67 1 CREDIT YEAR

The British Empire has a long literary tradition which has been spread throughout the world through colonization. The class is taught thematically; in each unit students will study classic literature and more modern, diverse pieces from Britain and from her colonies with the same thematic ideas. Students will be able to compare the original values of Great Britain with the effects of colonization, and the resulting mix of those values on other populations.

Prerequisites: 3.67 in English I

Note: The successful completion of the research paper during sophomore year is required in order to advance to junior year.

**All juniors are required to take 234, 237, or 290.**

**234engIII American Literature**

GR 11 QP 4.33 1 CREDIT YEAR

This course examines masterpieces of American literature, surveying works from the Pre-Colonial period through the modern era. Writing, grammar, vocabulary and critical discussion skills are emphasized upon. Independent reading assignments and critical essays are completed throughout the year, culminating in the production of a 7-8 page research paper which conforms to MLA guidelines required for course credit.

Note: The successful completion of the research paper during junior year is required in order to advance to senior year.

**237engIIII Honors American Literature**

GR 11 QP 4.67 1 CREDIT YEAR

This course examines masterpieces of American literature, surveying works from the Pre-Colonial period through the twenty-first century. Writing, grammar, vocabulary and critical discussion skills are stressed. Independent reading assignments and critical essays are completed each quarter, culminating in the production of an 8-10 page, in-depth, critical research paper which conforms to MLA guidelines and cites strong textual evidence from a minimum of 7 sources. Successful completion of the research paper during junior year is required in order to advance to senior English.

Prerequisite: 3.67 in English II

Note: The successful completion of the research paper during junior year is required in order to advance to senior year.

**290langAP AP English Language & Composition (Advanced Placement)**

GR 11 QP 5.0 1 CREDIT YEAR

Designed for students with a firm foundation in writing, this course prepares students for college writing courses by emphasizing the complex literacy of reading, writing, thinking, and speaking. Students will be introduced to the specific requirements and rigorous standards of academic writing, including essay format, voice, and organizational strategies. Students are expected to assume an active role in the reading and writing process, which regularly includes roundtable discussion, peer editing, and frequent revision. Students produce and revise essays throughout the year and, at the end of the course, create a portfolio of their work. AP exam fee applies.

Prerequisites: 4.0 in English II.

**All seniors are required to take either 265 or 291.**

**265wldlit World Literature**

GR 12 QP 4.33 ½ CREDIT SEM

World Literature surveys a selection of short stories, drama, and poetry from around the world, including the Mediterranean, Continental Europe, Africa, the Far East, the Middle East, Latin America. Universal themes such as fantasy and imagination, friendships, love and romance, self-discovery, the individual and society, values and beliefs, war and peace, youth and age are explored. Students write a series of critical essays based on textual readings. The course continues the development of language art skills and vocabulary study of the previous years. Students are required to write an 8-page literature-based research paper following MLA guidelines.

**291litAP AP English Literature (Advanced Placement)**

GR 12 QP 5.0 1 CREDIT YEAR

This course concentrates on comparative studies of famous pieces of literature which share theme, plot and/or other characteristics. Selections are chosen from different cultures, eras, and perspectives, and are discussed according to various schools of critical thought. The writing component includes genre studies, literary analyses and a 10-12-page research paper. Each student participates in panel presentations of selected major works. AP exam fee applies.

Prerequisite: 4.0 in 290 or English III.

**245myth Mythology as Literature**

GR 11-12 QP 4.33 ½ CREDIT SEM

Ancient Mythology forms the core around which much of Western art, literature, and music revolve. The topic of mythology will be approached by exploring universal themes and archetypes. By focusing on Classical Mythology, students will investigate the connections between myths of that time period, and those of contemporary cultures in a fascinating variety. Creative writing, formal writing, and critical

panel discussion skills are stressed, in addition to root-based vocabulary development. Students write 3–4-page expository essays and research multicultural myths.

**250novel Graphic Novels**

GR 11-12 QP 4.33 ½ CREDIT SEM

This course will explore how graphic novels are built and told. Students will learn how to use a conceptual vocabulary so they can discuss how the graphic novel achieves its objective of obtaining the reader's attention and engagement. Their understanding will develop by examining a range of graphics such as Persepolis, Maus, etc. Students will write a blog, in class, on each class day to generate a paper; and two such papers (4-6 pages) will be developed from the blogs.

**286writsem Writing Seminar**

GR 11-12 QP 4.33 ½ CREDIT SEM

Writing Seminar is a class that not only works on writing skills; students write a variety of papers, using multiple styles. Students generate ideas, plan, edit, and revise their assignments. Students also interact with different texts and reflect on a variety of ideas including current events and issues.

**246fic Contemporary Fiction (2023-24)**

GR 11-12 QP 4.33 ½ CREDIT SEM

*Contemporary literature is literature written in our current time; come explore stories told in the 21<sup>st</sup> century. We will be discussing works around a central theme and explore what the literature says about life and culture today. Through discussion, critical reading and writing, and literary analysis, students will gain a deeper understanding of how literature, societal beliefs, and ideals influence and reflect life today. Texts may include The Housekeeper and the Professor by Yoko Ogawa, The Lowland by Jhumpa Lahiri, On Such a Full Sea by Chang-rae Lee. We may also read selected short stories by Helen Oyeyemi, Claire Keegan, and others.*

**249journ Journalism and Memoir (2023-24)**

GR 11-12 QP 4.33 ½ CREDIT SEM

*In this course, students will learn about the practice of journalism and how it has shifted over the years. Students will also practice journalism, writing articles in a variety of styles for a variety of media, including blogs, memoir and newspaper. Students will also consider fundamentals like truth telling, fact checking, The First Amendment, diverse representation and bias, and how these affect the news. Students will be creating a portfolio which will count toward their assessment for the class and will be encouraged to publish through The Alethea and Prism.*

**FINE ARTS**

The Fine Arts Department offers a course of study in Art and Music. A minimum of 1 credit is required for graduation.

**310arts Introduction to Fine Arts**

GR 9 QP 4.33 ½ CREDIT SEM

Topics covered in this semester long course includes art history and music theory, the vocabulary of music and art criticism, and the exploration of all styles of music and art from ancient to modern. The art component includes instruction in the use and understanding of various drawing and painting techniques and materials. In music, students will study musical fundamentals, apply basic music

terminology to the analysis of music, develop and refine listening skills, and participate in a variety of both vocal and instrumental opportunities.

## ART

### **325stdart Studio Art**

GR 10-12 QP 4.33 ½ CREDIT SEM

Designed for both the beginner and advanced student who enjoys art and is serious about improving their drawing skills. This course introduces the fundamentals of drawing to structured problems that lead to the development of art skills and creative problem-solving ability. Students will use a variety of 2D art media and techniques, such as drawing, printmaking, painting, and digital work, as they work from direct observation to study still life, perspective, landscape, portraiture, and design. Students do not need to know how to draw to take this course.

*Note: This is the prerequisite for 327 and 345.*

*Enrollment is limited to 20 students per class section.*

### **330photo Digital Photography**

GR 10-12 QP 4.33 ½ CREDIT SEM

This course provides students with the skills to take, alter, print, critique and appreciate digital photography and is taught from both technical and aesthetic perspectives. Students learn how to control the functions of a digital camera, create a balanced and interesting composition, and manipulate digital photographs through Adobe Photoshop. They will explore the history of photography and its development through to contemporary works of today. They will be expected to submit work illustrating the use of traditional and digital techniques to complete short and long-term projects. Presentation of work through class critiques is emphasized. There is no text for this course.

*Note: A digital camera is required. If you don't have a camera, please speak to the teacher at the beginning of the course.*

### **364tvprod TV Production**

GR 10-12 QP 4.33 ½ CREDIT SEM

TV Production introduces students to what it takes to create a daily TV show. Students will learn videography and some aspects of journalism. This course begins with the fundamental principles of communications and quickly moves to their application in audio/visual communications. It incorporates the technical aspects of audio, lighting, and full-motion digital video production. The course includes the production of the school's daily news show *Good Morning SHAmerica*, as well as the making of short packages. Studio jobs are rotated so everyone is afforded an opportunity to work with and learn about sound, lights, graphics, anchoring, and directing, to name a few. In class, students learn about current trends in the media as well as creating projects to air on the morning show. In addition to its regular scheduled meeting time within the school day, this class meets every day before school from 7:40-8:10am.

*Note: Enrollment is limited to 15 students.*

### **327paint Painting I**

GR 11-12 QP 4.33 ½ CREDIT SEM

This course is an introduction to painting and students will learn to work with acrylic, watercolor, and digital software. Students will study basic color theory, compositional and painting techniques as well as work with a variety of subject matter. Students will explore various artists and their styles and techniques, as they begin to develop their own.

Prerequisite: Studio Art (325)

*Note: Enrollment is limited to 18 students per class section.*

### **345sporth Honors Art Portfolio**

GR 12 QP 4.67 ½ CREDIT SEM

This course is designed for the student with strong drawing, painting and design skills and possible interest in continuing the study of art beyond high school. Especially suitable for highly motivated students interested in building an art portfolio for the college admissions process. Student needs are assessed at the beginning of the semester, and that assessment drives the content of the course. A substantial amount of work is required outside of class and on a daily classroom basis.

Prerequisite: [Studio Art (325) and Painting (327)] OR [4.33 in Studio Art (325)]. Note: Enrollment is limited to 12 students.

### **313mltart Multimedia Studies in Art (2023-24)**

GR 11-12 QP 4.33 ½ CREDIT SEM

*In this skills-based course, students learn the fundamentals of creating artworks pertaining to two- and three-dimensional studies using mixed media. They use a variety of techniques and materials to complete several short- and long-term projects. This class is intended to promote higher level thinking, helping students develop creative problem-solving skills necessary to create and execute their designs.*

*Note: Enrollment is limited to 18 students per class section.*

## MUSIC

### **351orch Orchestra**

GR 9-12 QP 4.33 ½ CREDIT YEAR

Students of various levels of proficiency (beginner to advanced) are required to already own (or rent) and to know the rudiments of their instruments. Additional instruction is given to build an ensemble capable of playing musical literature of various styles and periods. Members are also given the opportunity to perform in small chamber ensembles. Scheduled performances include a Christmas and Spring concert

*Note: Students must meet either after school on Mondays from 2:15PM to 3:30 PM, or on Thursday from 7:00AM – 7:55AM. Occasionally, there are specially scheduled rehearsals. Instrumentalists must take this course for both semesters to obtain credit. Attendance is mandatory.*

### **358chamchoirH (10,11,12) Honors Chamber Choir**

GR 10-12 QP 4.67 ½ CREDIT SEM

Students in Honors Chamber Choir focus their study on a variety of advanced sacred and secular choral repertoires drawn from the Western art music tradition, world music, and popular songs. Through rehearsals and performance, students develop their vocal abilities, sight-singing skills, and sense of ensemble. Study culminates in major performances each semester at the Christmas and Spring Concerts as well as other venues.

Prerequisites: In order to enroll in this class, students must pass an audition, held in January prior to registration. There will also be additional auditions in the fall for the spring semester. Students may register for fall & spring semesters of this course as well as take it in multiple grades.

### **363beginkey Beginners Keyboard**

GR 10-12 QP 4.33 ½ CREDIT SEM

Designed as a course for beginners, students will use the keyboard to learn and understand the elements of basic keyboard playing. Students will be introduced to the foundational principles of notation, scales and keys, cadence patterns, chord classification and basic harmonic progressions as they gain keyboard skills.

*Note: Class size is limited to 12*

**385bells Handbell Choir**

GR 10-12 QP 4.33 ½ CREDIT SEM

This course is designed as an introductory course for students who wish to learn and understand the elements of handbell choir. Students will also be introduced to the foundational principles of notation, scales and keys, cadence patterns, chord classification, and basic harmonic progressions. Course study will culminate with scheduled performances including the Christmas concert.

**DRAMA****369theatre Introduction to the Theatre I**

GR 10-12 QP 4.33 ½ CREDIT SEM

This theater class covers every aspect of performance—including costume, set, sound and lighting design, and production. Students are encouraged to develop a respect and love for theatrical technique, while empowering them to discover their unique artistic voice and process. The class begins by developing concentration, awareness, characterization, and creativity using improvisation, monologues and directing. Through a variety of experiences and exercises, students gain self-confidence, heighten self-awareness, improve presentational skills, and develop task analytical abilities. Techniques in the basic principles of performance including blocking, theatre etiquette, and stage business are rehearsed. Character development is introduced using script analysis. Students will also enjoy guest lectures from theatre professionals.

**WORLD LANGUAGE**

The World Language Department requires entering students to take two consecutive years of study of the same language during their high school years. It is strongly recommended that students take three or four years of the same language. Five-year programs of study are offered in Latin, Spanish, and French with Advanced Placement courses in each language. Currently four-year program of study is offered in Mandarin Chinese.

**SPANISH****413spI Spanish I**

GR 9-11 QP 4.33 1 CREDIT YEAR

This course focuses on the basic foundations of grammar with a development of listening, speaking and reading skills for the student with limited or no previous knowledge of Spanish.

**424spII Spanish II**

GR 9-12 QP 4.33 1 CREDIT YEAR

This course continues to emphasize the basic skills of oral expression, reading, and writing using the text and supplemental materials. New grammatical skills are introduced and class participation

Prerequisite: Spanish I (413). Incoming freshmen or transfers may enroll in this class based on their performance on the language placement test given by the World Language Department.

**427spIII Honors Spanish II**

GR 9-12 QP 4.67 1 CREDIT YEAR

This course continues to develop vocabulary acquisition through oral expression, reading, and writing using the text and additional readings. Composition skills are stressed.

Prerequisite: 3.67 in Spanish I (413). Incoming freshmen or transfers may enroll in this class based on their performance on the language placement test given by the World Language Department.

**434spIII Spanish III**

GR 10-12 QP 4.33 1 CREDIT YEAR

This course entails the completion of the basic principles of grammar, composition skills, a survey of Spanish culture, and a practical application of conversational skills.

Prerequisite: Spanish II (424 or 427)

**437spIIIH Honors Spanish III**

GR 10-12 QP 4.67 1 CREDIT YEAR

This course entails the completion and refinement of grammar principles and conversational skills. Aspects of Hispanic culture and literature are presented through selected readings.

Prerequisite: 3.67 in Spanish II (424 or 427).

**444spIV Spanish IV: Conversation & Culture**

GR 11-12 QP 4.33 1 CREDIT YEAR

This course is geared toward an integrated approach to the study of the language; designed to help students reach the Intermediate-High level of oral proficiency as defined by the American Council on the Teaching of Foreign Languages (ACTFL). This course seeks to create relevant and meaningful contexts in which students will use their language skills. Previously learned grammar skills will be reviewed in order to enable the students to converse, understand, read and write with precision. The Spanish/Hispanic cultures will be looked at through a literary lens.

Prerequisite: 2.67 in Spanish III (434 or 437)

**457splngAP AP Spanish Language (Advanced Placement)**

GR 11-12 QP 5.0 1 CREDIT YEAR

AP Spanish Language is offered on a sequential basis to juniors and seniors who have been recommended for the course after having completed Spanish III Honors or Spanish IV. The main objective of this course is to develop students' interpersonal communication skills in Spanish and to prepare them for the AP examination in May. The students will have the opportunity to learn how to participate in conversations, to develop cultural awareness and to prepare them to use the language in a formal and informal setting. All the activities relate to five goal areas outlined in the Standards for Foreign Language Learning in the 21<sup>st</sup> Century: Communication, Comparisons, Cultures, Connections, and Communities. The course will include a variety of academic and cultural topics and the use of authentic materials. All the course materials are written in Spanish. Students always interact in the target language with each other and with the instructor. AP exam fee applies.

Prerequisite: 4.0 in Honors Spanish III (437) or 3.67 in Spanish IV (444 or 445)

**FRENCH****416frI French I**

GR 9-11 QP 4.33 1 CREDIT YEAR

This course provides a basic foundation of grammar with development of listening, speaking, reading, and writing skills. It is intended for students with limited or no previous knowledge of French. The course

incorporates a study of culture and the geography of the francophone world.

**426frII French II**

GR 9-12 QP 4.33 1 CREDIT YEAR

Students continue to develop basic skills with more emphasis on oral expression, reading and writing. The course stresses vocabulary acquisition to enable students to speak with greater fluency.

Prerequisite: French I (416) Incoming freshmen or transfers may enroll in this class based on their performance on the language placement test given by the World Language Department.

**429frIII Honors French II**

GR 9-12 QP 4.67 1 CREDIT YEAR

Students continue to develop basic skills with more emphasis on oral expression, reading, and writing. Vocabulary acquisition is stressed as well as composition and fluency in everyday speaking situations. Supplementary readings enhance comprehension.

Prerequisite: 3.67 in French I (416). Incoming freshmen or transfers may be invited to enroll in this class based on their performance on the language placement test given by the World Language Department.

**436frIII French III**

GR 10-12 QP 4.33 1 CREDIT YEAR

This course entails the completion of grammar requirements, further development of oral expression and introduction to composition and literature. A study of Francophone cultures enhances the students' appreciation of the French language and French-speaking peoples.

Prerequisite: French II (426 or 429)

**439frIIIH Honors French III**

GR 10-12 QP 4.67 1 CREDIT YEAR

This course completes the study of French grammar and continues to improve the four basic skills: listening, speaking, reading, and writing. Moreover, the study of a variety of French and Francophone cultural topics through history, literature, film, music and current events will complement the review of language structures and linguistic skills. Regular activities and assessments include: reading assignments, oral presentations, compositions, class discussions, grammar exercises, quizzes and exams. The course is tailored for the students of French who want to continue their learning in Honors French IV or AP French the following year.

Prerequisite: 3.67 in French II (426 or 429)

**447frIVH Honors French IV UCONN ECE**

GR 11-12 QP 4.33 1 CREDIT YEAR

**UCONN COURSE: 3 college credits (FREN 3250)**

This course is designed for students who have satisfactorily completed the requirements of French III and wish to continue their study through the analyses of French movies. As an ECE course, this course is an intense study of oral French and involves learning of oral techniques of communication (in conjunction with weekly topics of conversation) associated with various francophone cultures as well as rigorous and active practice through dialogues, interviews, round tables, and oral reports.

Prerequisite: 3.67 in French III (436 or 439)

*Note: All students enrolled in this course will have mandatory concurrent enrollment in the University of Connecticut Early College Experience Program that allows students to earn 3 college credits. UConn will bill students separately for UConn ECE tuition in the fall.*

**449frenchAP AP French (Advanced Placement)**

GR 11-12 QP 5.0 1 CREDIT YEAR

The AP French language course is the final level of study of French at the school. The purpose of this course is to prepare the students for the French AP examination in May. The goal is to reinforce and refine the skills acquired during the previous years (listening, reading and writing), as well as to broaden the students' understanding of French-speaking cultures around the world and major issues through different media (literature, music, films, magazines). The class is conducted exclusively in French and students are strongly encouraged to answer in French. AP exam fee applies.

Prerequisite: 4.0 in Honors French III (439) or 3.67 in French IV (446 or 447).

**Classical Language: LATIN**

**415latI Latin I**

GR 9-11 QP 4.33 1 CREDIT YEAR

This course provides the foundation for the acquisition of the Latin language. Students develop the basic elements of Latin grammar, learning both vocabulary and the rules of Latin syntax. Proficiency is developed through memorization, drills and extensive practice in translation and composition from Latin to English and vice versa. Students also learn elements of Roman culture, including geography, religion, and elements of daily life.

**428latIII Honors Latin II**

GR 9-12 QP 4.67 1 CREDIT YEAR

In this course, students continue to develop their language skills by learning the more complex elements of Latin grammar, while further developing their vocabulary. Through the use of drills, translation, and composition, students solidify their knowledge and enhance their understanding. In addition, students continue to learn about the Roman world, focusing particularly on politics, architecture, and various social dynamics.

Prerequisite: 3.33 in Latin I (415) OR departmental recommendation.

**450latIIIH Honors Latin III**

GR 10-12 QP 4.67 1 CREDIT YEAR

This course introduces students to the remaining, most challenging Latin grammatical structures and transitions students into the application of their grammatical knowledge to reading unadapted Roman literature. Emphasis is placed on developing translation skills and refining their ability to understand the literary aspects of Latin texts by reading selections from the works of a variety of Roman authors. Attention is also given to the historical and cultural backgrounds of the works studied, metrics, rhetorical devices, and textual analysis. Latin III students will typically read from the works of Pliny the Younger, Catullus, Ovid, Caesar, and Petronius, among others.

Prerequisite: 3.33 in Honors Latin II OR departmental recommendation

**452latIVH Honors Latin IV: Topics in Latin Literature**

GR 11-12 QP 4.67 1 CREDIT YEAR

In this course, students continue to develop facility with translating and analyzing Latin literature, as well as deepening their understanding of Roman culture and perspectives, through an exploration of select topics, such as Women in the Roman World, Politics and Corruption, Myth and Legend, Heroes and Heroism, and Race and Ethnicity. Focusing on various authors and works from both the Republican and Imperial periods, students will consider and discuss the ways in which these topics are portrayed at different points in Rome's history and how those portrayals reflect Roman social values and conceptions of Roman identity. Emphasis is placed on the importance of contextualization, the development and use of critical analysis, and the reading of and engagement with secondary scholarship.

Prerequisite: 3.33 in Honors Latin III (450) **OR** departmental recommendation.

**484latAP AP Latin (Advanced Placement and UConn ECE)**

GR 11-12 QP 5.0 1 CREDIT YEAR

**UConn COURSE: 3 college credits (CAMS 3102)**

Students continue to develop facility with analyzing, interpreting, and translating Latin literature by closely reading selections of Julius Caesar's *de Bello Gallico* and of Vergil's *Aeneid*. Students study the mythological, historical, and cultural background of the works, the literary techniques of the authors and secondary scholarship in preparation for taking the Latin Advanced Placement Exam in May. In addition to extensive Latin translation for the AP syllabus, students will also read the much of the two works in English, and will gain experience sight reading passages from other authors. The course is fast-paced and requires a high level of skill and interest in the Latin language and literature. Reading of Latin texts in the original AP exam fee applies.

Prerequisite: 3.67 in Honors Latin III (450) or 3.67 in Honors Latin IV ECE (452).

*Note: All students enrolled in this course will have mandatory concurrent enrollment in the University of Connecticut Early College Experience Program that allows students to earn 3 college credits. UConn will bill students separately for UConn ECE tuition in the fall.*

## CHINESE

**411chinI Mandarin Chinese I**

GR 9-11 QP 4.33 1 CREDIT YEAR

This course is an introduction to the study of Chinese language and culture, providing a solid foundation in the basic skills of the Mandarin phonetic system (*pinyin*), reading, oral expression, writing, and tying simplified Chinese characters. Various projects and hands-on activities will allow students to explore Chinese culture, including holidays, food, and calligraphy. Class is supplemented by online activities such as web-based games and hands-on learning via physical activities.

**421chinII Mandarin Chinese II**

GR 9-12 QP 4.33 1 CREDIT YEAR

In Mandarin Chinese II, students will build upon the skills they have learned in Mandarin Chinese I. In addition to learning more complex grammar and sentence patterns, students will continue to learn more vocabulary, work with longer dialogues and do oral presentations. Class participation requires increased use of the Chinese language. Class is supplemented by a wide variety of audio and video materials, such as online activities and educational games.

Prerequisite: Mandarin Chinese I

**431chinIIH Honors Mandarin Chinese III**

GR 10-12 QP 4.67 1 CREDIT YEAR

Chinese will be spoken 80% of the time in this class. The third year of Chinese study is designed for accelerated students who have attained a higher mastery of Chinese. The course will not only further hone their speaking and listening skills but also focus on increasing their ability to read and write. Class is supplemented by online and real-life authentic materials with engagement classroom activities. Students will have opportunities to connect with peers and guest speakers in class or online.

Prerequisite: 3.33 in Mandarin Chinese II **OR** departmental recommendation.

**442chinH Honors Mandarin Chinese UConn ECE**

GR 11-12 QP 4.67 1 CREDIT YEAR

**UConn COURSE: 3 college credits (CHIN 1114)**

The ECE Chinese course continues from the themes and language structures at the Chinese III course level, with an increasing focus on oral performances and conversations. Heavier emphasis on grammar and idiomatic Chinese expressions occurs in the first semester. In the second semester, Students are asked to read a range of authentic materials, and take examples from Chinese television, radio and internet sources to test comprehension. Chinese will be spoken 100% of the time in this class and all course materials are written in Chinese.

Prerequisite: 3.67 in Honors Mandarin Chinese III (431) **OR** departmental recommendation

*Note: All students enrolled in this course will have mandatory concurrent enrollment in the University of Connecticut Early College Experience Program that allows students to earn 3 college credits. UConn will bill students separately for UConn ECE tuition in the fall.*

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**443chinAP AP Chinese Language & Culture (2023-2024)**

GR 11-12 QP 5.0 1 CREDIT YEAR

*This class follows the framework provided by Collegeboard and focuses on 6 units: Unit 1: Families in Different Societies, Unit 2: The Influence of Language and Culture on Identity, Unit 3: Influences of Beauty and Art, Unit 4: How Science and Technology Affect Our Lives, Unit 5: Factors That Impact the Quality of Life, Unit 6: Environmental, Political, and Societal Challenges. This course provides students with maximum exposure to authentic culture and language. Students will practice distinct skills throughout the year —skills that will help them learn to think and act like Chinese speakers; —skills that will prepare them for the AP exam in May. AP exam fee applies.*

Prerequisite: 4.0 in Honors Mandarin Chinese III (431) **OR** 3.67 in Honors Mandarin ECE (442) **OR** departmental recommendation

## MATHEMATICS

The Mathematics Department requires all students to take four years of mathematics. Students who take Algebra I or Honors Algebra I as freshmen and Geometry as sophomores have the opportunity to take Calculus on the Honors or AP level as seniors if they meet the criteria for enrollment in a course entitled Honors Algebra II/Pre-Calculus as juniors. Another option is Algebra I, Geometry, Algebra II and Pre-Calculus on the Honors or Standard level.

**515algI Algebra I**

GR 9 QP 4.33 1 CREDIT YEAR

This course covers the real number system and its properties, polynomials, factoring, algebraic fractions, fractional equations, functions and their domain and range, solving linear inequalities, linear functions and their graphs, linear equations and systems, initial concepts of quadratic equations, problem solving with linear and quadratic equations, calculator representations of solutions for linear and quadratic equations, proper graphing techniques for the Cartesian co-ordinate system.

**517alg IH Honors Algebra I**

GR 9 QP 4.67 1 CREDIT YEAR

This course covers the same topics as Algebra I (515), but word problems of a higher difficulty level are presented, calculator applications are included, as well as theoretical explanations of greater depth. This course will focus on the four representations of a function which are verbal, graphical (which includes detailed graphing rules for

the representation of data on the Cartesian co-ordinate system), numerical and analytical.

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Prerequisite: A student may enroll in this course based on results from the Mathematics Placement Exam administered in Spring before freshman year.

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**524geom Geometry**  
GR 10 QP 4.33 1 CREDIT YEAR

This course is an axiomatic approach to Euclidean geometry. Logical reasoning is used to explore the relationships between lines, planes, triangles, and polygons. Trigonometry, coordinated geometry and exploration of solid figures are also studied; theory and application are equally considered. The course has a strong integration with Algebra I.

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Prerequisite: Algebra I (515 or 517)

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**527geomH Honors Geometry**  
GR 9-10 QP 4.67 1 CREDIT YEAR

This course is an in-depth axiomatic approach to Euclidean geometry. Topics include parallel lines and planes, triangles, polygons, circles, trigonometry, constructions, solid figures, and coordinate geometry. Abstract reasoning is developed in an advanced use of theory and application. The course has a strong integration with Algebra I.

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Prerequisite: [3.67 in Algebra I (515/517)] **OR** A student may enroll in this course based on results from the Mathematics Placement Exam administered in May before freshman year.

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**534algII Algebra II**  
GR 9-11 QP 4.33 1 CREDIT YEAR

This course stresses the further advancement of the structure of Algebra and the development of computational and problem-solving skills as well as critical thinking. Topics include complex numbers, polynomial and rational expressions, the concept of functions and relations and their domain and range, linear and quadratic equations and their solutions both analytically and graphically, solutions for polynomial inequalities, radicals, exponents, inverse functions, synthetic division, rational functions and relations, difference quotient, formulae for circles, midpoints and distance, and detailed graphing rules for the representation of data on the Cartesian co-ordinate system. Technology is used to foster impact on students' learning and understanding of real-world math problems.

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Prerequisite: Algebra I and Geometry (524 or 527)

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**537algIII Honors Algebra II**  
GR 9-11 QP 4.67 1 CREDIT YEAR

This course follows the same structure of Algebra II with additional emphasis on the applications of theorems and solving math modeling problems both analytically and graphically. This course stresses a fast paced, in-depth development of computational and problem-solving skills as well as critical thinking. Topics include complex numbers, polynomial and rational expressions, the concept of functions and relations and their domain and range, linear and quadratic equations and their solutions both analytically and graphically, solutions for polynomial inequalities, radicals, exponents, inverse functions, synthetic division, rational functions and relations, Remainder Theorem, Factor Theorem, Intermediate Value Theorem, Difference Quotient and average rate of change, formulae for circles, midpoints and distance, and detailed graphing rules for the representation of data on the Cartesian co-ordinate system.

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Prerequisite: [3.67 in Algebra I (515/517) **and** 3.67 in Geometry (524/527) in Grade 10] **OR** 3.67 average in Algebra I & Geometry **OR** 3.67 in Honors Geometry (527) in Grade 9

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**539 algIIpcH Honors Algebra II/ Pre-Calculus**  
GR 9-11 QP 4.67 1 CREDIT YEAR

This course is designed to allow freshman and sophomores currently in Geometry or Honors Geometry to enroll in Calculus, AP Calculus and any other advanced math class as juniors and seniors. Sophomores who studied Algebra I or Honors Algebra I as freshmen may enroll in this class to prepare for Calculus or AP Calculus as seniors. Present freshman Geometry students may enroll in this class as sophomores to prepare for Honors Calculus as juniors and BC Calculus as seniors. The focus of this course is an extensive and in-depth study of functional analysis, mathematical analysis and analytical geometry. This integration of Algebra II, Trigonometry, Functional Analysis and Analytical Geometry intends to broaden the students' mathematical background and provide the mathematics needed for success in Calculus. Graphing calculators will be used for graphical investigations and explorations hence a TI83+ or TI84+C Silver edition graphing calculator is required.

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Prerequisite: [4.0 in Algebra I (515/517) in Grade 9 and 4.33 in Geometry (524/527) in Grade 10] **OR** 4.33 in Honors Geometry (527) in Grade 9.

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**544statAP AP Statistics (Advanced Placement)**  
GR 11-12 QP 5.0 1 CREDIT YEAR

Collecting, representing and processing data are activities of major importance to contemporary society. Topics covered in this course include the description and analysis of population distributions, change and growth of data, correlation, experiment design, probability models, linear regression, hypothesis testing and confidence intervals.

Graphing calculators and computers are used as tools for the facilitation of statistical tests on significant bodies of data. Advanced Placement Statistics acquaints students with the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Ideas and computations presented in this course have immediate links and connections with actual events. Computers and calculators will allow students to focus deeply on the concepts involved in statistics.

The TI83+ or TI84+C Silver edition calculator is required and is used as the technical tool to allow the student to calculate any tests or data required. AP exam fee applies.

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Prerequisite: 4.0 in current Math class which can be Algebra II (534) or 537) or Hons AlgII/PreCalc (539) or PreCalc (546/547) or Intro. to Stats (549) or AP Calc AB (593) or Advanced Math (551) and Trigonometry (552) combination.

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**546precalc Pre-Calculus**  
GR 11-12 QP 4.33 1 CREDIT YEAR

A rigorous course heavily focused on topics of analytical geometry; in particular the characteristic curves of mathematical functions and their meanings. Polynomial functions are heavily emphasized, with rational functions, exponential and logarithmic functions, trigonometric functions and their graphs, and analytical trigonometry. Functional analysis, analytic geometry, and the applications of these mathematical skills in the modeling of real-life situations are explored using symbolic, graphical, and numerical methodology. Technology allows the focus of the course to be on functional investigations and exploration. The TI83+ or TI84+C graphing calculator is required.

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Prerequisite: 3.0 in Algebra II (534 or 537) or Advanced Math (551) and Trigonometry (552) combination.

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**547precalcH Honors Pre-Calculus UConn ECE**  
GR 11-12 QP 4.67 1 CREDIT YEAR

**UConn COURSE: 3 college credits (Math 1030 Q)**

This course is an integration of an intensive study of trigonometry, geometry, and advanced algebra intended to broaden the student's mathematical background prior to the study of calculus. This course also includes an introduction to probability and counting problems. The

three fundamental areas of functional analysis, mathematical analysis and analytic geometry are investigated in depth through the use of a myriad of technological aids such as the overhead graphing calculator, and digital lessons. Each student is required to have either a TI83+ or TI84+C graphing calculator since extensive use of graphing technology is incorporated as an investigative tool.

The ECE component is integrated in the second semester, where problem solving and reasoning skills are developed in an interactive setting while covering voting methods, apportionments, mathematics of finance, counting, probability and graph theory.

Prerequisite: 4.0 in Algebra II (534 or 537) or Advanced Math (551) and Trigonometry (552) combination. There is an ECE change fee if a qualified student requests to be added in June.

*Note: All students enrolled in this course will have mandatory concurrent enrollment in the University of Connecticut Early College Experience Program that allows students to earn 3 college credits. UConn will bill students separately for UConn ECE tuition.*

### 553elstat Elementary Statistics

GR 11-12 QP 4.33 1 CREDIT YEAR

The primary aim of the course is to form a basic understanding and use of statistical concepts and methods to facilitate study and research in other disciplines. Major topics include exploring data and relationships among data, producing (collecting) data and understanding sampling distributions, and making statistically correct interpretations and inferences. The course is covered the following specific topics: data collection, descriptive statistics, both graphical and numerical, general and sampling distributions, measures of central tendency, measures of variability, grouped data, the normal distribution, central limit theorem, and the fundamentals of statistical interference, including confidence intervals and hypothesis testing and estimation, simple regression and correlation, the t-distribution and chi-square test. Required: TI84 +CE Graphing Calculator

Prerequisite: Algebra II (534 OR 537) or Advanced Math (551) and Trigonometry (552)

### 551advmath Advanced Math

GR 12 QP 4.33 ½ CREDIT SEM

This course is designed for seniors who want to complete their fourth-year math requirement for graduation and adequately prepare for college math placement tests prior to matriculation in their fall semester of college. This course will help students acquire a firm foundation in functional analysis and prepare them for future courses in Calculus, Business Calculus and finite mathematics. Students will be shown how to model and solve real world problems, develop problem solving skills and exercise critical thinking skills while working in an interesting setting filled with real world, data driven problems. Extensive use of graphing technology is incorporated hence a TI84+C Silver edition graphing calculator is recommended.

Prerequisite: Algebra II

*Note: Students taking Advanced Math for their Final Math credit must register for Trigonometry as well.*

### 552trig Trigonometry

GR 12 QP 4.33 ½ CREDIT SEM

This course is designed for seniors who want to complete their fourth-year math requirement for graduation and adequately prepare for college math placement tests prior to matriculation in their fall semester of college. This course will help students acquire a firm foundation in Trigonometry and apply their knowledge to unique mathematical applications. The main focus of this course will be the study and application of periodic functions that enable us to model phenomena that occur in cycles. Students will be shown how to model and solve real world problems that incorporate a direct application of

Trigonometry. This solid Trigonometric foundation will prepare students for future courses in Calculus, Engineering, Navigation, Music Technology, Meteorology and Architectural studies. Intensive use of graphing technology is incorporated hence a TI84+ CE graphing calculator is recommended.

Prerequisite: Algebra II and Advanced Math.

### 593calcAP AP Calculus AB (Advanced Placement and UConn ECE)

GR 10-12 QP 5.0 1 CREDIT YEAR

**UCONN COURSE: 4 college credits (Math 1131 Q)**

This course provides an intuitive understanding of the concepts of calculus, and experience with its applications and methodology. Course content generally follows the AP syllabus for Calculus AB, which is more extensive, and of greater breadth and depth than the 590 Calculus curriculum. This course includes the study of elementary functions, limits, the derivative and its applications, and integral Calculus including anti derivatives and their applications. The TI83+ or TI84+C graphing calculator is required. This challenging course is meant only for the serious math student. AP exam fee applies.

Prerequisite: 4.0 in 539/546/547. There is an ECE change fee if a qualified student requests to be added in June.

*Note: All students enrolled in this course will have mandatory concurrent enrollment in the University of Connecticut Early College Experience Program that allows students to earn 4 college credits for the year. UConn will bill students separately for UConn ECE tuition in the fall and spring.*

### 594calcAP AP Calculus BC (Advanced Placement)

GR 11-12 QP 5.0 1 CREDIT YEAR

Calculus BC is a fast-paced full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. Both the AB and BC courses represent college-level mathematics for which most colleges grant advanced placement and college credits. The Calculus BC exam has a Calculus AB sub-score so the students enrolled in this class will be receiving two AP scores. The content of Calculus BC is designed to qualify the student for college placement and credit in Calculus II, which is one course beyond that granted for Calculus AB. AP exam fee applies.

Prerequisite: 4.0 in 593 or 548

### 554natmath Math for the Natural Sciences (2023-2024)

GR 12 QP 4.33 ½ CREDIT SEM

*The main idea of the course is elementary mathematical modeling using linear functions, exponential functions, and power functions. Additional topics include logarithms, curve sketching, and curve fitting in semi-log and log-log scales. Area of 2D plane shapes, the volume and surface of areas of 3D figures are covered. Examples from the natural sciences are discussed in frame of this course. TI84 +CE Graphing Calculator is required.*

Prerequisite: Algebra II and Advanced Math

### 548calc Calculus (2023-2024)

GR 11-12 QP 4.33 1 CREDIT YEAR

*This course is designed for students who want to have preparation for and experience with calculus especially those planning to enter fields of medicine, nursing, business, economics, management, and the social sciences. The course focuses on the development of conceptual understanding of real-life situations involving change, so the material is data driven and technology based. Topics include functions and linear models, non-linear models, rates of change, Derivatives, analysis of change, optimization, Related Rates, Limits and Integration. This course covers all Calculus AB topics in a one year, two semester course*

as opposed to the fast paced UCONN ECE AP Calculus which covers an entire year of UCONN recommended Calculus topics by January and then covers all AP Exam Calculus topics and practice for second semester. Extensive use of graphing technology is incorporated hence a TI83+ or TI84+C Silver edition graphing calculator is required.

Prerequisite: 3.0 in 546 or 547 or 539

## PHYSICAL EDUCATION

The Physical Education courses are designed to develop an understanding of the health-related components of physical fitness; cardiovascular fitness, muscle strength and endurance, flexibility, and body composition, as they relate to a healthy lifestyle with an emphasis on the importance of health and wellness.

### 616pehlthI Physical Education and Health I

GR 9 QP 4.33 ½ CREDIT SEM

This course is designed to develop the health-related physical fitness skills as well as the skills mentioned above in the Introduction. In addition, students will explore mental and social health topics, participate in fitness and circuit training and seasonal health and wellness activities. The primary goal for this course is for students to develop a foundation for a lifelong healthy lifestyle.

### 636pehlthII Physical Education and Health II

GR 11-12 QP 4.33 ½ CREDIT SEM

This course is a continuation of PE and Health I and is designed to reinforce the importance of the health-related physical fitness skills as well as the skills mentioned above in the introduction. Students will continue to participate in fitness and circuit training and seasonal health and wellness activities, but in a group setting that allows for peer instruction. Students will also be introduced to a diverse assortment of leisure activities with the goal of sparking lifelong interest. A focus is also placed on the exploration of various and current mental and social health issues. The primary goal for this course is for students to develop the ability to take responsibility for a lifelong healthy lifestyle.

Prerequisite: Physical Education and Health I (616)

### 651peasst Physical Education Assistants

GR 12 QP 4.33 ½ CREDIT SEM

The role of PE Assistant is limited to Seniors with an interest in pursuing a career in Physical Education. Students will be assigned to a PE I class for the semester. Daily responsibilities include the facilitation of group activities and charting of fitness progression for all members of the class. PE Assistants are required to develop lesson plans to instruct and promote physical, mental, and social health and maintain a journal detailing all class activities. The primary goal for this course is for students explore the skills needed to pursue a teaching career. Prerequisite: PE II and Departmental Approval

Note: This course does not fulfill the Physical Education and Health II requirement.

## THEOLOGY

The Theology Department requires all students to complete four years of the required or core theology courses, a retreat experience each year, and a minimum of 25 hours of Christian Service. The theology

curriculum provides students with the opportunity to participate in the sacramental and liturgical life of the Church. The Theology of the Body for Teens, based on the teachings of Pope John Paul II, is integrated into the scope and sequence of the four year theology curriculum. Each course develops and enhances the student's relationship with God through different types of prayer.

### 714theolI Theology I: Our Catholic Faith

GR 9 QP 4.33 1 CREDIT YEAR

The freshman curriculum provides an introduction to the life and teachings of Jesus Christ, the Sacraments, a brief history of the Catholic Church, an introduction to Sacred Scripture, as well as an overview of the charism of the Apostles of the Sacred Heart of Jesus. The curriculum follows the four pillars of the Church as outlined in the Catechism of the Catholic Church and includes a study of Pope Saint John Paul II's theology of the body, in order to introduce students to the dignity and meaning of the human body and sexuality. The freshman curriculum incorporates a segment on devotion to the Sacred Heart and the charism of the Apostles of the Sacred Heart of Jesus.

### 724theolIII Theology II: Scripture

GR 10 QP 4.33 1 CREDIT YEAR

Theology II offers a survey of the scriptures of Judeo-Christian tradition, highlighting the content of Genesis and Exodus, the Deuteronomic History, the Prophets, Wisdom, the four Gospel portraits of Jesus, the Acts of the Apostles, and the letters of St. Paul. Students develop an appreciation for the Jewish roots of the Christian faith as well as the relevance of the Bible for their personal faith life and the liturgical life of the Church. Intended outcomes of the course are to foster a growing love for the Bible as a valuable companion in students' lives.

**Service Requirement: In order to receive credit for Theology II and advance to junior year, 25 hours of service must be completed by May 1 of sophomore year.**

### 734theolIII Theology III: Conscience Formation & Catholic Social Teaching

GR 11 QP 4.33 1 CREDIT YEAR

Theology III exposes the adolescent to the major principles and doctrines of the Catholic tradition, with focus on conscience formation, morality, and Catholic Social Teaching. The message of the Gospels is viewed in connection with the active response required of Christians called to discipleship. Special attention is given to the principles of human dignity and the common good and how these relate to current social problems in American society and the global community. The doctrine of the Mystical Body of Christ is emphasized through the principle of solidarity with the poor and marginalized. The course provides a method of moral decision-making through critical thinking to help students form a Christian conscience and to guide them in making moral choices in response to the moral issues facing the Christian in the 21st century.

### 744theolIV Theology IV: Life in Christ

GR 12 QP 4.33 1 CREDIT YEAR

This course is a culmination, synthesizing all major themes of freshman, sophomore, and junior theology to prepare students to live the Christian life as adults. Students investigate the importance of integrating more fully a Christ-like attitude of love and its implications for personal discernment. This course seeks to enhance a student's relationship with God through a deeper exploration of prayer, Ignatian spirituality, vocational discernment, the redemptive nature of suffering, and discipleship.

## SCIENCE

The Science Department requires all students to complete a minimum of 3 credits in science for graduation, but students are encouraged to take 4 (or more) credits. These must include Core courses, Biology and Chemistry.

**814bio Biology**  
GR 9 QP 4.33 1 CREDIT YEAR

This is a basic course in life sciences for the college bound student. The approach is from the perspective of molecular biology and focuses on the units of life – cells, genes and the biochemical processes therein.

**817bioH Honors Biology**  
GR 9 QP 4.67 1 CREDIT YEAR

This lab-oriented course offers an in-depth analysis of the molecular and biochemical processes that characterize living organisms. Scientific article analysis and a class research project are used to supplement class materials.

Prerequisite: A student may enroll in this class based on performance on the high school entrance exam.

**834chem Chemistry**  
GR 10 QP 4.33 1 CREDIT YEAR

This course stresses abstract reasoning, mathematical analysis, and the investigation of chemical systems. Topics include atomic theory, structure of matter, periodicity, bonding, nomenclature and chemical reactions. Laboratory experience accompanies and supports conceptual material.

**837chemH Honors Chemistry**  
GR 10 QP 4.67 1 CREDIT YEAR

This course includes an intensive study of fundamental theoretical and experimental principles, stressing inductive reasoning in the investigation of chemical systems. Topics studied include those of 834chem plus acids/bases, solution concentrations and solubility. Mathematical applications of chemical concepts and laboratory experience form an essential part of this course. An independent research project is required.

Prerequisites: 3.67 in Algebra I (515 or 517) AND 3.67 in Biology (814 or 817)

**895genes Human Gene Discovery Laboratory**  
GR 10 QP 4.33 ½ CREDIT SEM

In this introductory course, students investigate a human disease gene as a class laboratory project while they research, using Government websites. The entire semester consists of continuous biotechnology experiments, done collaboratively in a problem-solving format, which develop basic research skills and incorporate the use of specialized lab equipment.

*Note: Human Gene Discovery (895) is recommended for those who plan to take AP Biology (890).*

**848engdes Engineering Design**  
GR 10-12 QP 4.33 ½ CREDIT SEM

Engineers solve problems using knowledge of science, mathematical and physical models, and a creative and iterative process. The engineering discipline includes designing, testing and analyzing possible solutions to benefit society. This is a project-based course focused around designing and optimizing innovative solutions and presenting the product of this work to peers. Students may explore fast

growing engineering fields such as material science, environmental concerns, electronics/computer design and bio-mechanical engineering. Students will use the engineering process to complete both individual and group design projects at a level appropriate to their grade level and resources.

Prerequisite: 3.0 in recent full year Math and Science courses.

**852microbio Microbiology**  
GR 10-12 QP 4.33 ½ CREDIT SEM

This course surveys microorganisms that cause human infection: bacteria and archaea, protozoans, fungi, viruses and prions. The study compares common diseases of the human body, their natural defense mechanisms, and the various anti-microbial drugs administered as treatment. The laboratory exercises involve microscopy and experiments with non-pathological organisms readily used in educational environments.

**856forens Forensic Science**  
GR 11-12 QP 4.33 ½ CREDIT SEM

This lab-oriented course explores the applications of biology, chemistry and physics to the investigation of crime. Topics and labs include crime scene investigation, hair and fiber analyses, fingerprinting, microscopy, forensic botany, forensic anthropology, and DNA profiling. Case studies, cold cases, and current events in criminal investigation will also be included.

**860astron Introduction to Astronomy**  
GR 11-12 QP 4.33 ½ CREDIT SEM

This course is a hands-on, inquiry-based exploration of Astronomy. Using online simulations, computer-animated planetariums and in-class laboratories, course will study the Earth's place in our Solar System, motion of stars, planets and constellations, seasons, and the structure of the Universe. Project based studies are used to look at advanced topics in astronomy including time travel, black holes, expansion of the universe, space travel and technologies.

**865gen Genetics**  
GR 11 - 12 QP 4.33 ½ CREDIT SEM

This semester course covers classical and molecular genetics. It presents an integrated approach to the study of genes (genotypes) and how mutations (alterations) therein, can have profound effects on proteins (phenotypes). The course also includes an introductory unit on forensics that serves to highlight the importance of DNA in modern day criminal investigations.

**859a&p Anatomy and Physiology**  
GR 11-12 QP 4.33 1 CREDIT YEAR

This lab-oriented course studies body organization and the structure and functions of cells, tissues, and each of the human systems, giving attention to health issues and diseases. Dissections such as sheep heart, brain, kidney and fetal pig are included. Students will be expected to master medical terminology.

**861a&pH Honors Anatomy and Physiology**  
GR 11-12 QP 4.67 1 CREDIT YEAR

This course offers more intensive study of the structure and function of the human body. Gross to microscopic anatomy will be studied in light of physiological function. Heavy emphasis will be given to the cellular and molecular bases of physiology. Clinical case studies, virtual labs, and dissections will supplement the class activities.

Prerequisites: 3.67 in Biology (814 or 817)

**844physics Physics**  
GR 11-12 QP 4.33 1 CREDIT YEAR

This laboratory course is a hands-on inquiry-based exploration of introductory topics in physics. Always focused on making connections

between knowledge of science and its impact on our lives, the study of physics uses multiple pathways of scientific reasoning with specific emphasis on mathematical-analytical problem solving and conceptual and physical modelling to explore force and motion, energy & momentum, with optional topics that may include gravitation, waves, sound, electricity and magnetism.

Prerequisites: 3.0 in Algebra II (534, 537, or 539)

### **898biotechH Honors Biotechnology Research Project**

GR 11-12 QP 5.0 1 CREDIT YEAR

In this laboratory course the class works as a research team to study a gene of their choice. The class starts by extracting DNA from an organism, then amplifying and sequencing the gene of interest. The class designs their own experiments, masters the skills of PCR, purification and quantitation, automated sequencing, and bioinformatics. After analysis, the class prepares a scientific poster as they get ready to present their research to scientists such as those at Columbia University, New York. The class has also been submitting the results to GenBank which is NCBI's open access database of nucleotide sequences, used by scientists from all over the world. At present, we have 34 sequence submissions in GenBank.

Prerequisite: 3.67 in a previous full-year science course.

### **890bioAP AP Biology (Advanced Placement and UConn ECE**

GR 11-12 QP 5.0 1 CREDIT YEAR

**UConn COURSE: 8 college credits (BIOL1107 & 1108)**

This college course explores in depth the biological concepts learned in the previous biology course: cell and molecular biology, evolution and natural selection, genetics, classification, and populations. This course is highly recommended for students planning to major in sciences or the health professions. AP exam fee applies. Additional lab time may be required and will be discussed at the beginning of school year.

Prerequisites: Biology and Chemistry; 4.0 average in Biology (814 or 817) OR [3.67 in Biology (814 or 817) and a 4.0 in at least one from 859/861/892/894/898] OR [3.67 in Biology (814 or 817) and a 4.0 in at least two courses from 856/852/865/895]. Students who did not have a 4.0 in Biology must meet the pre-reqs at the time of course enrollment.

*Note: All students enrolled in this course will have mandatory concurrent enrollment in the University of Connecticut Early College Experience Program that allows students to earn 8 college credits for the year. UConn will bill students separately for UConn ECE tuition in the fall and spring.*

### **892chemAP AP Chemistry (Advanced Placement)**

GR 11-12 QP 5.0 1 CREDIT YEAR

This college-level course expands on the principles and techniques learned in the first year of chemistry. An emphasis will be placed on matter, kinetic theory of gases, chemical equilibria, chemical kinetics and thermodynamics. Students wishing to major in science, engineering, the health professions or who must take chemistry in college are strongly encouraged to take this course. Additional lab time may be required and will be discussed at the beginning of school year. AP exam fee applies.

Prerequisite: [4.0 in Chemistry (834 or 837)] AND 3.67 in math OR [3.67 in Chemistry (834 or 837) AND 3.8 Overall GPA].

### **894physAP AP Physics 1 (Advanced Placement)**

GR 11-12 QP 5.0 1 CREDIT YEAR

This is a course in first year Algebra-based physics at the college level. A high level of confidence in mathematical reasoning and processes is necessary throughout the course. Multiple pathways of scientific reasoning and modelling are used to explore topics including:

Newtonian mechanics, momentum and energy, rotational kinematics, mechanical waves and sound, electrostatics and electric circuits. Additional lab time will be required and the scheduling will be discussed with the class at the beginning of the school year. AP exam fee applies.

Prerequisite: 4.0 average in Biology (814, 817) and Chemistry (824, 834); Completed Honors AlgII/Pre-Calc(539) or Completed Pre-Calculus (546 or 547) with a 4.0 final grade average.

### **839chemanI Chemical Analysis (2023-2024)**

GR 11-12 QP 4.33 ½ CREDIT SEM

*This course supplements Chemistry and further prepares students for college chemistry. Topics include aqueous solutions, gas laws, nuclear chemistry and thermodynamics. Regular laboratory work reinforces the concepts and provides experience in recording data and writing laboratory reports.*

Prerequisite: Chemistry.

## **SOCIAL STUDIES**

The Social Studies Department requires students to complete 3 credits in Social Studies. These include Human Geography, Modern World History, U.S. History, and U.S. Government. The Social Studies curriculum provides students with a broad knowledge of the past and skills in the critical process of gathering, analyzing, and interpreting historical information.

### **917humgeo Human Geography**

GR 9 QP 4.33 ½ CREDIT SEM

This course serves as an overview of the development of human civilization and culture across Africa, Asia, Europe, and the Americas. Students will gain an understanding of the world we live in and how people and cultures have spread and interacted throughout history, culminating in an independent research project and presentation. Students will be introduced to important skills in social studies, research and analysis, and critical thinking.

### **925mwhis Modern World History**

GR 10 QP 4.33 1 CREDIT YEAR

This course focuses on the development of the modern world, beginning with the Industrial Revolution and continuing through the twentieth century. It emphasizes global interconnections between cultures and countries and focuses on the political, economic and cultural forces that affected the development of the modern world and contributed to the development of the society we live in today. Students will further develop important skills in social studies, research and analysis, and critical thinking.

### **926mwhisH Honors Modern World History**

GR 10 QP 4.67 1 CREDIT YEAR

This course focuses on the development of the modern world, beginning with the Industrial Revolution and continuing through the twentieth century. It emphasizes global interconnections between cultures and countries and focuses on the political, economic and cultural forces that affected the development of the modern world and contributed to the development of the society we live in today. Students are expected to read primary source materials and write analytical papers, culminating in a final project making connections between events covered in the class.

Prerequisite: 3.67 in Ancient Civilizations (915).

*NOTE: If 915 is taken in Term 2, the student must have a 1<sup>st</sup> Semester overall GPA of 3.67 or higher in order to register. The 915 -based pre-req will be re-checked at year-end*

**962mwhisAP AP Modern World History**

GR 10 QP 5.0 1 CREDIT YEAR

Study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to the present. It emphasizes global interconnections between cultures and countries and focuses on the political, economic and cultural forces that affected the development of the modern world and contributed to the development of the society we live in today. Students will become proficient in evaluating sources, analyzing evidence, contextualizing and connecting historical events, and supporting a thesis. AP exam fee applies.

Prerequisite: 4.0 in Ancient Civilizations (915) AND a 4.0 in Introduction to Literary Genres and Basic Composition (214 or 217)

*NOTE: If 915 is taken in Term 2, the student must have a 1st Semester overall GPA of 3.67 or higher and meet the English Pre-req in order to register. The 915 -based pre-req will be re-checked at year-end.*

**924ushis United States History**

GR 11 QP 4.33 1 CREDIT YEAR

This course focuses on the forces that have shaped American history, with emphasis on the political, economic, and cultural development of our nation. It covers major events, key trends, and progressive issues in history, focusing on the diverse voices that make up American society. Social studies skills and historical research skills are strengthened in the process of completing an independent research project.

**927ushisH Honors U.S. History**

GR 11 QP 4.67 1 CREDIT YEAR

This course focuses on the forces that have shaped American history, with emphasis on the political, economic, and cultural development of our nation. It covers major events, key trends, and progressive issues in history, focusing on the diverse voices that make up American society. Students will read primary source documents and analyze historical data in order to complete an independent research project.

Prerequisite: 3.67 in Western Civilization (934 or 937) or (AP European History (975))

**992ushisAP AP U.S. History (Advanced Placement)**

GR 11 QP 5.0 1 CREDIT YEAR

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. AP exam fee applies.

Prerequisite: 4.0 in Western Civilization (934 or 937) or AP European History (975) AND a 3.67 average in English courses.

**All seniors are required to take either 914 or 964.**

**914gov U.S. Government**

GR 12 QP 4.33 ½ CREDIT SEM

This course is a survey of American Government. Students will develop a basic familiarity with federal and state government and understand their role as active and engaged citizens. Students will critically read historical and contemporary primary source documents and analyze current issues.

**964govAP AP U.S. Government (Advanced Placement)**

GR 12 QP 5.0 1 CREDIT YEAR

This course provides students with an in-depth knowledge of the intricacies of the United States government, including the founding of the government, the Constitution, political behavior and political parties, interest groups, the media, the institutions of government and the formulation of domestic and foreign policy. Furthermore, students acquire the sophisticated analytical skills needed for social science courses taken at the college level. In addition to taking the AP exam, research papers are an option the teacher may use as an assessment tool as needed. AP exam fee applies.

Prerequisite: 4.0 in 924/927/992 AND a 3.67 average in English courses.

**982psych Introductory Psychology**

GR 11-12 QP 4.33 ½ CREDIT SEM

This course introduces students to psychology through the engagement of diverse topics, including Development, Learning and Motivation, and Conditioning. Focusing on the development of the mind and body allows students to apply different techniques to improve the self while critically analyzing psychological studies. This practical approach is intended to encourage students to think critically about human behavior.

**993psychAP AP Psychology (Advanced Placement)**

GR 12 QP 5.0 1 CREDIT YEAR

The aim of this Advanced Placement Psychology course is to provide students with the equivalent to that obtained in college introductory level psychology courses. Students will be expected to analyze research experiments and relevant journal articles. This course will survey fourteen major topics in psychology in which students will be able to apply important principles to their everyday life. AP courses and exams emphasize challenging, research-based curricula aligned with higher education expectations. AP exam fee applies.

Prerequisite: 4.0 in 924/927/992 AND a 3.67 average in English courses.

**944womhis Women in History**

GR 10-12 QP 4.33 ½ CREDIT SEM

This course is an introduction to the many and varied roles of women in American history and the struggle for women's political, social, and legal equality. The course will examine women's contributions to American culture, along with problems and obstacles they have experienced and overcome. Through the analysis of primary and secondary sources, students will explore the experiences and contributions of diverse groups of women, both prominent and lesser known.

**945law Law and Legal System**

GR 11-12 QP 4.33 ½ CREDIT SEM

This course is designed to introduce students to the structure and procedures of the United States legal system. This course will survey the history and structure of the American legal system, the theories behind and procedures of the criminal justice system, and the purposes of civil law. Students will learn about courtroom procedure and gain a practical understanding of their rights as protected by the United States Constitution. Students will actively engage in this class through debate, research and discussion of current affairs, and experiential learning projects.

**947hol The Holocaust (2023-2024)**

GR 12 QP 4.33 ½ CREDIT SEM

*This course offers students an in-depth analysis of Fascism, the Holocaust and World War II, while providing a more authentic and effective understanding of genocide as an historical phenomenon. This analysis seeks to create an understanding of the events leading up to, contributing to, and following the Holocaust. This course also aims to*

*enhance critical awareness of and engagement with the Holocaust and genocide education.*

