



Course Offerings 2026-27
&
Course Selection Information

Our Mission

Sacred Heart Academy is where students become *Excelsior Women*, inspired to lead and make a difference. Guided by integrity, compassion, social justice, community, and service, our all-girls environment empowers every student to express themselves with confidence and pursue their passions with conviction.

Course Selection Timeline (*Classes of '27, '28, '29*)

- ❖ January 12th Counseling sessions begin ('27 & '28)
- ❖ January 26th – Feb. 6th Faculty presentation of departmental course offerings
- ❖ February 4th Course registration meeting for all students
- ❖ February 5th Parent registration information (VOD)
- ❖ February 4th -13th Course advising meetings ('29)
- ❖ February 4th – 13th 'Reach' course Meetings & Approval period
- ❖ February 23rd – March 4th Course Request Entry (onCampus)
- ❖ March 16th – 31st Course Request Approval Period (Administration)
- ❖ May 26th Students receive course lists for 2026-27
- ❖ May 27th – June 5th Course Add/Drop period for courses without prereqs
- ❖ June 11th – 12th Course Add/Drop for AP/Hons/Courses with prereqs

Sacred Heart Academy

Course Registration Process

This course registration process applies to rising sophomores, juniors and seniors. The process is intended to provide an individualized approach to course selection for each student. A video tutorial explaining this process will be available on OnCampus.

Step 1 (Timing: 1/12 - 2/13/26)

School counselors will meet with sophomores and juniors to provide one on one course advice. Counselors will meet with Freshmen during their Freshman Foundations class time to advise them on course selection in a small group setting.

Step 2 (Timing: 1/26 - 1/30/26)

Teachers will discuss departmental offerings with all students in a grade-specific fashion. These discussions will provide students with an understanding of what courses are available to them in each area of study.

Step 3 (Timing: 1/27 - 2/15/26)

With advisement from their counselor and using the course registration worksheet students will organize their course requests based on the pre-requisites stated in the Curriculum Guide. To request a “Reach” course (where course pre-requisites are not met as per the curriculum guide) a student must meet the academic criteria (stated on the ‘REACH Request form’) and then meet with their current teacher in that subject area to discuss the “Reach” course option. That teacher must complete the recommendation portion of the worksheet should they approve the request for a Reach course. Final approval for the “Reach” course will be based upon the Administration’s review of the students overall academic standing. Students will enter their “Match” course (course prerequisites are met) requests on the Course Registration Form.

Step 4 (Timing: 2/23 - 3/4/26)

Students enter their “Match” course requests into the OnCampus portal based upon their Course Registration Form. Once complete, they must submit their Course Registration Form to their college counselor, along with the “Reach” course recommendation (if applicable).

2026-2027 REACH REQUEST (WITH TEACHER RECOMMENDATION (AP/HONORS/C/P))	
STUDENT NAME:	GRADE:
COURSECODE COUNSELOR:	
REACH COURSE <i>(Only one request)</i>	
REACH COURSE REQUIREMENTS/ELIGIBILITY CRITERIA Overall 1st semester GPA 3.0 or higher And: AP: HSA, Hon. Lang = 3.67 (C/P → A); HONS. → B; AP → B) in feeder courses. HONOR: HSA, Hon. Lang = 3.33 (C/P → B); HONS. → B; AP → B) in feeder courses. C/P: Both semesters HSA, Hon. Lang ≥ 3.67 (C/P → B); HONS. → B; AP → C) in feeder courses.	
Name of course _____	Teacher's name: _____ Course _____ Sem/Lang in this course: _____ (attach 1 st semester report card)
<u>For AP/IB/REACH course students email this form with the current AP teacher to discuss class rigor and expectations.</u>	
AP Teacher's name: _____ Comments: _____ _____ _____	REACH course: _____ RECOMMEND (circle one) YES NO Comments: _____ _____ _____
AP teacher signature: _____ Date: _____	Teacher's signature _____ Date: _____

Signed I Heart Academics REACH course policy & eligibility criteria:

- Any student interested in applying for a "REACH" course must have an overall GPA of 3.0 or higher (1st semester report card).
- Students are advised to choose the Reach course that best matches their interests, since each student is only allowed to request ONE Reach course.
- Final approval for Reach course will be based upon the Administration's review of a student's overall academic standing.
- A student enrolled in a Reach course will not be allowed to withdraw from the course or drop the course to ensure fairness of our course registration process as well as the integrity of our master schedule.

Please print and sign your name on the lines below. By doing so you confirm you read, understand and agree to the terms of this contract.

Student Name _____	Parent/Guardian name _____	Date _____
Student Signature _____	Parent/Guardian Signature _____	Date _____

(Please attach this form back inside front cover to avoid confusion about which is to be sent to counselor by Month 4th, Spring.)

CONTENTS

GRADUATION REQUIREMENTS	7
GRADING SCALE	7
CURRICULUM PROGRESSION.....	8
FRESHMAN	8
SOPHOMORE	8
JUNIOR.....	8
SENIOR	8
AP AND DE COURSES.....	9
ADVANCED PLACEMENT (AP) COURSES	9
DUAL ENROLLMENT (DE) COURSES.....	9
EXCELSIOR COURSES	10
COURSE DESCRIPTIONS.....	12
INTERDISCIPLINARY STUDIES	12
ENGLISH.....	13
BUSINESS AND COMPUTER TECHNOLOGY	13
FINE ARTS	15
ART	15
MUSIC.....	16
DRAMA.....	16
WORLD LANGUAGE	17
SPANISH	17
FRENCH.....	17
CHINESE.....	18
MATHEMATICS.....	18
PHYSICAL EDUCATION	21
THEOLOGY	21
SCIENCE.....	22
SOCIAL STUDIES	24

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 specific areas of interest. Honors, Dual Enrollment and Advanced Placement courses are available for those students who qualify. Graduation from Sacred Heart Academy requires the successful completion of **twenty-seven credits** distributed as follows:

Department	Credit Requirement
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 counselors, teachers, and parents, mindful of the fulfillment of basic course requirements, intended college major, interests, and academic strengths.

GRADING SCALE

AP/DE, 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 counselors, the number of these courses to select from each semester. A minimum 3.5 GPA constitutes Honors and 3.8, High Honors.

		<u>CP</u>	<u>Honors</u>	<u>AP</u>
Num. Equiv.	Letter Grade	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

CURRICULUM PROGRESSION

FRESHMAN

SUBJECT AREA	COURSE	CREDITS
Interdisciplinary	Freshman Transition/ Freshman Foundation	0.5/Pass-Fail
English	Intro. to Literary Genres	1
Fine Arts	Art or Music elective	0.5
Mathematics (*)	Foundations of Algebra I/ Algebra I/Geometry/Algebra II	1
Physical Education	PEI	0.5
Science	Biology	1
Social Studies	Human Geography	0.5
Theology	Theology I	1
World Language (*)	Spanish/French	1
TOTAL REQUIRED CREDITS		7.0

(*) 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

SUBJECT AREA	COURSE	CREDITS
English	British Lit.	1
Mathematics	Algebra I/Geometry/Algebra II/AlgIIPreCalc	1
Science	Chemistry	1
Social Studies	Modern World History	1
Theology	Theology II	1
World Language	Spanish/French	1
Required Elective Credits		0.5 + 0.5
TOTAL REQUIRED CREDITS		7.0 (6.5 minimum)

JUNIOR

SUBJECT AREA	COURSE	CREDITS
English	American Lit./ AP Lit	1
Mathematics	Geometry/Algebra II/Precalc/APCalc	1
Social Studies	U.S. History	1
Theology	Theology III	1
Required Elective Credits (+)		2.5 - 3.0
TOTAL REQUIRED CREDITS		7.0 (6.5 minimum)

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

SENIOR

SUBJECT AREA	COURSE	CREDITS
English (++)	World Lit. + elective/ AP Lang	1
Mathematics	Algebra II/ PreCalc/Stats/College Algebra/AP Stats/AP Calc BC	1
Social Studies (+++)	U.S.Gov/AP Gov.	0.5
Theology	Theology IV	1
Required Elective Credits		3.0 - 3.5
TOTAL REQUIRED CREDITS		7.0 (6.5 minimum)

(++) 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.

AP AND DE COURSES



Advanced Placement is a program run by the College Board (the makers of the SAT) that allows students to take special high school courses that can earn them college credit and/or qualify them for more advanced classes when they begin college.

ADVANCED PLACEMENT (AP) COURSES

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

SHA's 21 AP course offerings include:

AP English Language & Composition	AP English Literature
AP Spanish Language	AP French Language
AP Calculus AB	AP Calculus BC
AP Statistics	AP Precalculus
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 Environmental Science (^)	AP Music Theory (^)
AP Human Geography (^)	AP Macroeconomics (^)
AP Microeconomics (^)	

(^) *Course offered through OneSchoolHouse (formerly Online School for Girls)*

DUAL ENROLLMENT (DE) COURSES

- SHA students have an opportunity to experience college courses and earn 30+ college credits at a significantly reduced cost through SHA's partnership with local colleges and universities.
- Dual Enrollment (DE) courses include courses offered at SHA in partnership with University of Connecticut (UConn), Quinnipiac University (QU Academy) and Southern Connecticut State University. **All students enrolled in a DE (Dual enrolment) course must be concurrently registered for credits with the partner university and take their end of semester exam to receive SHA credits for the DE course.**
- SHA's unique partnership with the University of New Haven (UNH), offers SHA students the chance to take one course per year for free.



Students can earn high school and college credit through UConn's ECE courses. UConn ECE courses are a great way to get ahead for college while in high school, and at a lower cost! They provide students with college course experience, workload management, and college credit.



University of
New Haven

SHA's unique partnership with UNH offers students the opportunity to take one course per year at UNH for free and attend Summer programs at the University. SHA students also receive a 50% tuition discount upon acceptance to UNH in addition to a guaranteed job on campus should the student choose to enroll



Southern
SC
SU Connecticut
State University

Several courses currently taught at SHA carry college credit through SCSU's Dual Enrollment program. In addition to this, students can take up to 2 courses per semester at SCSU for \$65 per credit.

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

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 can 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 Environmental Science
- ☒ AP Human Geography
- ☒ AP Microeconomics
- ☒ AP Macroeconomics
- ☒ AP Music Theory

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

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 21st 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:

Honors Biotechnology Research Project
Modern Drama (Page to Stage)
Personal Finance

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 the 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.**

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 requested. These changes include course adds or drops related to pre-requisites. Any changes made after that time will be subject to a Schedule Change Processing Fee (\$25, Twenty-Five dollars).

No changes to courses or schedules 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 courses because of instructor preference. However, students may change a non-required course within the first cycle of each semester if the course has not reached its maximum enrollment. Parental signature and details of course add/drop 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

INTERDISCIPLINARY STUDIES

All freshmen are required to take Freshman Transition & Freshman Foundation

101frtran Freshman Transition

GR 9 QP 4.33 ½ CREDIT SEM

This course supports 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 of improving 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.

201frfoun Freshman Foundation

GR 9 PASS/FAIL SEM

Students will focus on identity development as the foundation for how they learn, communicate, and make decisions about their futures. With project-based learning, students examine who they are as individuals and how they relate to others. They will gain insight into their strengths, values, learning styles, and interests while building confidence in expressing ideas and engaging with diverse perspectives. Students will learn how identity shapes communication, including public speaking. The focus will be on developing essential adult skills such as decision making, collaboration, and critical thinking.

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

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)

003medtrm Medical Terminology DE

GR 11-12 QP 4.33 ½ CREDIT SEM

QU Academy Program: 2 college credits (HSC 202)

This is a college course given in association with Quinnipiac University (2 credits). Students will master the basics of medical terminology through analysis of prefixes, suffixes, and roots, and other constructive methods. Students will be able to interpret medical tests, diagnoses, and pharmacological treatments. A systems approach is followed so that there is an overview of anatomical terms. Case studies will be used extensively for real world applications. This course is recommended for students interested in health science careers.

Prerequisite: Successful completion of Biology and a grade of 3.0 in the previous full year science course. Dual enrollment with Quinnipiac University (2 credits) is required.

004spmgt Sports Marketing & Management

GR 11-12 QP 4.33 ½ CREDIT SEM

This course is designed to provide an understanding of the principles and practices involved in managing sports organizations, events, and facilities. Students will explore various aspects of sports management, including leadership, marketing, finance, event planning, and legal issues.

006wrelH Honors World Religions

GR 11-12 QP 4.67 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.

Prerequisite: : 3.67 (A-) in Theology II or Theology III

002modra Modern Drama (Page to Stage) (2027-2028)

GR 11-12 QP 4.33 ½ CREDIT SEM

Moving from comedy to absurdism, from political protest to Broadway, students will experience a wide range of fascinating dramas that have 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.

007int Honors Fundamentals of Philosophy (2027-2028)

GR 11-12 QP 4.67 ½ CREDIT SEM

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: 3.67 (A-) in Theology II or Theology III.

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.

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 ideas.

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 our school's Financial Markets Lab where students have access to the Bloomberg Terminal and Bloomberg's three self-paced e-learning certificate courses. Students are required to complete Bloomberg Finance Fundamentals (BFF) by the end of the semester.**

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.

214engl 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.

217englH 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.

228englI 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 to advance to junior year.

229englIH Honors British Literature

GR 10 QP 4.67 1 CREDIT YEAR

This class explores the long and far-reaching tradition of British literature 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.

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 to advance to junior year.

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

234englIII 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. 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 to advance to senior year.

237englIIH 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 to advance to senior English.

Prerequisite: 3.67 in English II

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

29litAP AP English Literature (Advanced Placement)

GR 11,12 QP 5.0 1 CREDIT YEAR

This course concentrates on comparative studies of famous pieces of American literature. The writing component includes genre studies, literary analyses and a 10- 12-page research paper. Each student participates in presentations of selected major works. AP exam fee applies.

Prerequisite: 4.0 in 290 or English III.

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, and 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.

245myth Mythology as Literature

GR 11-12 QP 4.33 ½ CREDIT SEM

Contemporary pop culture, art, literature, and music revolve around Ancient Mythology. 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 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 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 keep a journal in response to prompts from the teacher and their own readings, which will generate a paper; and two such papers (4-6 pages) will be developed from the journals.

290langAP AP English Language & Composition (Advanced Placement)

(2027-28)

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.

246fic Contemporary Fiction

(2027-28)

GR 11-12 QP 4.33 ½ CREDIT SEM

Contemporary literature is literature written in our current time; come explore stories told in the 21st century. We will be discussing works around a central theme and explore what 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.

286writsem Writing Seminar (2027-28)

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.

249journDE Journalism DE (2027-28)

GR 11-12 QP 4.33 ½ CREDIT SEM

SCSU Early College Program: 3 college credits (JRN101)

This course analyzes how the media, including the Internet, provides news and information to the public with emphasis on the First Amendment, media power, ethics and social norms. Discussions include current events and what is in today's news ties to the past. Presentations are a key component of this class; there is a focus on developing skills in written and oral communication.

FINE ARTS

The Fine Arts Department offers courses in study of Art, Music and Drama. A minimum of one credit is required for graduation.

ART**325stdart Studio Art (9, 10-12)**

GR 9-12 QP 4.33 ½ CREDIT SEM

Designed for both the beginner and advanced students who enjoy art and are 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.

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 mixed media. 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.

345porth 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 in addition to the daily class work.

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

331dmedia Digital Media (9, 10-12)

GR 9-12 QP 4.33 ½ CREDIT SEM

Students learn foundational digital media skills through hands-on practice in photography, digital imaging, graphic design, and video creation. By the end of the course, students will build a portfolio including photos (both RAW and edited), graphic design pieces, and short videos.

Note: A digital camera is not required.

364tvprod TV Production

GR 11-12 QP 4.33 ½ CREDIT SEM

TV Production introduces students to what it takes to create a daily TV show. This course begins with the fundamental principles of communications and quickly moves to their application in audio/visual communications. 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 audio/visual equipment, anchoring, directing, and producing.

Note: Enrollment is limited to 12 students.

MUSIC

351orch Orchestra (9, 10-12)

GR 9-12 QP 4.33 ½ CREDIT SEM (9)/YEAR (10-12)

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: Grade 10-12 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.

361chamsing Chamber Singers

GR 10-12 QP 4.33 ½ CREDIT SEM

Chamber singers is a vocal ensemble of high school female voices. Our repertoire comprises sacred Christian vocal music of various eras, as well as secular music of many styles and traditions: classical, country, jazz, folk, pop and rock. We will sing with acapella and with accompaniment.

Prerequisites: 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. (Possible DE with SCSU)

381conchoir Concert Choir (9, 10-12)

GR 9-12 QP 4.33 ½ CREDIT SEM (9)/YEAR (10-12)

Students focus their study on a variety of 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, and sense of ensemble. Study culminates in major performances each semester at the Christmas and Spring Concerts as well as other venues. No audition is required for the Concert Choir, although each participant will be heard individually to determine vocal range.

Note: Grade 10-12 students will meet after school on Tuesday from 2:15PM to 3:15 PM. Occasionally, there are specially scheduled rehearsals. Attendance is mandatory.

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

DRAMA

370act Foundations of Acting DE

GR 11-12 QP 4.33 ½ CREDIT SEM

SCSU Early College Program: 3 college credits (THR 121)

Survey of dramatic literature and theatrical styles with an emphasis on the individual artistry of collaborating theatre practitioners. Students attend live performances, read plays, and write production critiques. From ancient Greek to hip-hop theatre, students will evaluate the role of theatrical performance in human life and culture.

368stage Stage and Screen DE (2027-2028)

GR 11-12 QP 4.33 ½ CREDIT SEM

SCSU Early College Program: 3 college credits (THR 382)

This course offers an introduction to the analysis of theatrical and cinematic performance and production. This course examines the symbiotic relationship between theatre and film and will provide an experiential and practical orientation to script work, adaptations, character profiles and on-camera acting. Other topics include theater terminology, safety procedures, and performance reels. Students will write formal essays as film critiques, record an audition monologue, and attend a professional theatre production.

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

413spl 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.

424spll 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 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.

427splIH 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 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.

434splIII 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)

437splIIH 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).

444splIV 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 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: 3.0 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 21st 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: 3.67 in Spanish IV (444) OR 4.0 in Honors Spanish III (437) and departmental recommendation.

FRENCH

416frl French I

GR 9-11 QP 4.33 1 CREDIT YEAR

This course provides a 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.

429frlIH 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) or departmental recommendation. 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.

436frlII 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)

439frlIIH 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 DE

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) (2026-27)

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 Honors French IV (447).

CHINESE

441chinIVH Honors Mandarin Chinese IV

GR 12 QP 4.33 1 CREDIT YEAR

All course materials for this course are written in Chinese. Students will spend less time learning new vocabulary and textbook dialogue in the classroom. They will focus on writing original sentences, translating and writing skills. Homework and project assignments, oral presentations and writing journals will require critical thinking. At the end of year, students will be able to write a short essay and have great interpersonal communication skills.

Prerequisite: 3.67 in Honors Mandarin Chinese III

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 can take AP Calculus 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 on the Honors or College Prep level and then take Precalculus at the AP or College Prep level.

514falgl Foundations of Algebra I

GR 9 QP 4.33 1 CREDIT YEAR

This course is designed for students prior to taking the Algebra 1 course. It is a review of arithmetic operations and an introduction to the basics of algebra. This course emphasizes study skills for success in mathematics, both mental and paper-pencil calculations, and the fundamentals of solving equations and graphing functions. Course topics include integers; the language of algebra; solving equations with addition, subtraction, multiplication, and division; fractions and decimals; measurement; exponents; solving equations with roots and powers; multi-step equations; functions and linear equations. This course will serve as an introduction to the concepts found in the Algebra I course.

515algl 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

The student will develop a strong mathematical foundation upon which to build. Topics include the real number system, polynomials, inequalities, functions and their graphs, linear equations and systems, problem solving, and initial concepts of quadratic equations and exponential functions, radical expressions and equations, statistics and probability aligned with the Common Core. Since this is an honors course, problems of higher degree of difficulty will be presented as well as theoretical explanations of greater depth.

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

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.

Prerequisite: Algebra I (515 or 517)

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.

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.

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.

Prerequisite: Algebra I and Geometry (524 or 527)

537algIIH 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 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.

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

539algIIpCH Honors Algebra II/ PreCalc

GR 10-11 QP 4.67 1 CREDIT YEAR

This course is designed to allow freshman and sophomores currently in Geometry or Honors Geometry to enroll in AP Calculus Ab, AP Calculus BC 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 their AP Calc AB and AP Calc BC sequence. Present freshman Honors Geometry students may enroll in this class as sophomores to prepare for AP Calculus AB as juniors and AP Calculus BC as seniors. The focus of this course is an extensive and in-depth study of functional analysis and mathematical analysis. This integration of Algebra II, trigonometry and functional analysis intends to broaden the students' mathematical background and provide the mathematics needed for success in AP Calculus AB. Graphing calculators will be used for graphical investigations and explorations hence a TI83+ or TI84+ graphing calculator is required.

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

543precalcAP AP Precalculus (Advanced Placement)

GR 11-12 QP 5.0 1 CREDIT YEAR

The main goal is to prepare students for other higher-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Additionally, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets, thereby gaining a deeper understanding of the nature and behavior of each function type.

Prerequisite: 4.0 in Algebra II (534 or 537) or 4.0 in College Algebra (554) or 3.67 in Honors Algebra II / PreCalc (539).

OR 3.67 in Algebra II or College Algebra, 3.33 in Hons.Algebra II/PreCalculus and successful completion (100%) of Summer Mathematics Module

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 acquaint 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.

Prerequisite: 4.0 in current Math class which can be Algebra II (534) or 537) or Hons AlgII/PreCalc (539) or PreCalc (546) or Elem. Stats (553) or AP Calc AB (593) or College Algebra (554).

546precalc Precalculus

GR 11-12 QP 4.33 1 CREDIT YEAR

A rigorous course heavily focused on topics of analytical geometry; 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

Prerequisite: 3.0 in Algebra II (534 or 537) or College Algebra (554) or successful completion of Honors Algebra II / PreCalc (539).

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 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 covers 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, and the fundamentals of statistical inference, including confidence intervals and hypothesis testing and estimation. Required: TI84 +CE Graphing Calculator.

Prerequisite: Algebra II (534 OR 537) or College Algebra (554).

554collalg College Algebra DE

GR 11-12 QP 4.33 1 CREDIT YEAR

SCSU Early College Program: 3 college credits (MAT 120)

The course is designed to familiarize students with fundamental mathematical concepts such as inequalities, polynomials, linear and quadratic equations, logarithmic and exponential functions, and systems of linear equations in two variables. Upon course completion, students will have algebraic problem solving and quantitative reasoning skills needed for business and social science majors. This course also provides the algebraic skills needed to pursue higher level studies in mathematics.

Prerequisite: 3.0 in Algebra II (534 or 537)

593calcAP AP Calculus AB

GR 11-12 QP 5.0 1 CREDIT YEAR

AP Calculus AB is a unique course that gives two main opportunities for high school students: to earn college/university credit and skills that prepare them for college/university. Calculus AB is the study of limits, derivatives, definite and indefinite integrals, differential equations and their applications. Consistent with AP philosophy, all main concepts of calculus I will be expressed and analyzed geometrically, numerically, analytically, and verbally. The graphing calculator TI 84+CE is required.

Prerequisite: 4.0 in current Math class which can be Hons AlgII/PreCalc (539), AP PreCalc (/543) or PreCalc(546). (Possible DE with SCSU)

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.

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.

616pehlthl Physical Education and Health I

GR 9 QP 4.33 ½ CREDIT SEM

This course is designed to develop 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 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 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 Assistant

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 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 to 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.

652hfitport Personal Health & Fitness Portfolio

GR 12 QP 4.33 ½ CREDIT SEM

This course will provide students with the knowledge and practical skills necessary to design and maintain a personalized, lifelong approach to health and fitness. This course will empower students to set fitness goals and make informed health choices throughout their lives. Prerequisite: PE II

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 55 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.

714theol I Theology I: Our Catholic Faith

GR 9 QP 4.33 1 CREDIT YEAR

The freshman curriculum introduces 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, 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.

Note: To receive credit for Theology I and advance to sophomore year, 15 hours of service must be completed by April 30th of Freshman year.

724theolII 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 Deuteronomist 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.

Note: To receive credit for Theology II and advance to junior year, 25 hours of service must be completed by April 30th 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.

Note: To receive credit for Theology III and advance to senior year, 15 hours of service must be completed by April 30th of Junior year.

744theoIV 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 college bound students. 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 researching and trying to diagnose the genetic disorder using OMIM, an online catalog of human genes and genetic disorders. 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: Class size is limited to 18 students.

Human Gene Discovery (895) is recommended for those who plan to take AP Biology (890) and Honors Biotechnology Research Project (898).

849enganl Engineering Analysis

GR 10-12 QP 4.33 ½ CREDIT SEM

The engineering discipline includes designing, testing and analyzing workable solutions to benefit society. This is a project-based course focused on the analytical process of optimizing potential design solutions to exemplary problems presented to teams or individual students. Students may explore fast growing engineering fields such as material science, environmental concerns, electronics/computer design and bio-mechanical engineering.

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. The course will study the Earth's place in our Solar System, motion of the moon, stars, planets and constellations, seasons, and the structure of the Universe. Focused on the study of the night sky from Earth, additional topics include the physics of light and gravity and how those affect the universe and our perception of it. Projects include study of the planets and constellations, and additional topics may include black holes, expansion of the universe, space exploration and history of astronomy.

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 considering 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 DE

GR 11-12 QP 4.33 1 CREDIT YEAR

SCSU Early College Program: 4 college credits (PHY 200)

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 its own experiments, masters the skills of DNA purification and quantitation, PCR, DNA 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 36 sequence submissions in GenBank.

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

Class size: Limited to 8 students.

890bioAP AP Biology (Advanced Placement)

GR 11-12 QP 5.0 1 CREDIT YEAR

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

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

892chemAP AP Chemistry DE (Advanced Placement & SCSU)

GR 11-12 QP 5.0 1 CREDIT YEAR

SCSU Early College Program: 4 college credits (Chem121)

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, or 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 the school year. AP exam fee applies.

Prerequisite: [4.0 in Chemistry (834 or 837)] **AND** 3.67 in math **OR** **OR** 4.0 in at least one of the following 844, 894, 890, 898 **AND** 3.67 in math

894physAP AP Physics 1 DE (Advanced Placement & SCSU)

GR 11-12 QP 5.0 1 CREDIT YEAR

SCSU Early College Program: 4 college credits (PHY 200)

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, and mechanical vibrations. AP exam fee applies.

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

848engdes Engineering Design (2026-27)

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. This is a project-based course focused on designing and optimizing innovative solutions through cooperative teamwork, creation and testing of prototypes, and presenting the product of this work to peers. 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.

865gen Genetics (2026-27)

GR 11 - 12 QP 4.33 ½ CREDIT SEM

This 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.

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 overall GPA.

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 overall GPA.

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 to complete an independent research project.

Prerequisite: 3.67 in Modern World History (925 or 926 or 962)

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 Modern World History (925 or 026) or AP Modern World History (962) **AND** a 3.67 average in English courses.

All seniors are required to take either 914, 918 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.

919govH Honors U.S. Government

GR 12 QP 4.67 ½ CREDIT SEM

This course will examine various current events and how they relate to the history and structure of US Government. Through the use of reputable newspaper articles, we will cover topics like social justice and civil rights, immigration, civil liberties, crime and policing, and elections. Each unit will also include discussions/debates, opinion essays and/or objective essays.

Prerequisite: 3.67 in 924, 927 or 992.

965govAP AP U.S. Government DE (Advanced Placement & SCSU)

GR 12 QP 5.0 1 CREDIT YEAR

SCSU Early College Program: 3 college credits (PSC 260)

This course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other resources to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also read and interpret data, make comparisons and applications, and develop evidence-based arguments.

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

982psych Introductory Psychology

GR 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 themselves while critically analyzing psychological studies. This practical approach is intended to encourage students to think critically about human behavior.

993psychAP AP Psychology DE (Advanced Placement & SCSU)

GR 12 QP 5.0 1 CREDIT YEAR

SCSU Early College Program: 3 college credits (Psy 100)

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.

948genost Genocide Studies (2027-28)

GR 11-12 QP 4.33 ½ CREDIT SEM

This course provides students with a historical perspective to the study of genocide while also considering social, political, and psychological factors that contributed to genocides around the world. Students will gain an understanding of how and why particular genocides have occurred by analyzing the causes, mechanisms and consequences of specific genocides, while also exploring methods of prevention and ethical considerations surrounding such atrocities.