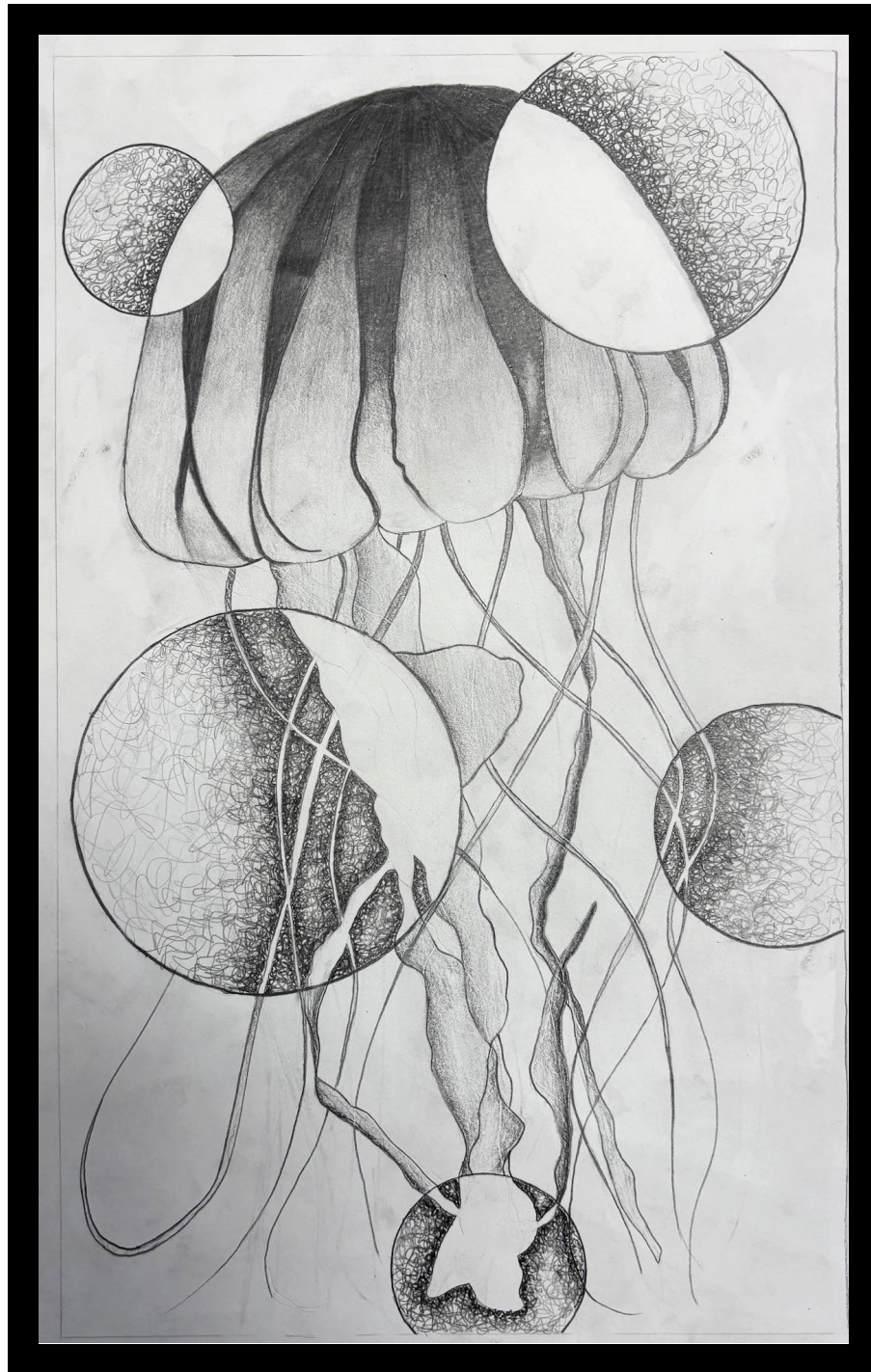


PROGRAM OF STUDIES
2026-2027
CHESHIRE HIGH SCHOOL



- **Rileigh Ebert**

CHESHIRE HIGH SCHOOL

525 South Main Street Cheshire, Connecticut 06410

www.cheshire.k12.ct.us/schools/cheshire-high-school/

Principal

Kevin J. Hanlon

Assistant Principals

Kristin Pelz

Maureen Reed, Ed.D.

Daniel Tartarelli

Main Office: 203-250-2511

Athletics: 203-250-2552

Attendance: 203-250-2514

Counseling: 203-250-2556

Support Services: 203-250-2542

Fax: 203-250-2563

Dear Student:

Your *Program of Studies* is one of the most important documents published by the staff of Cheshire High School. This document contains information about course offerings, credit and graduation requirements, college, technical and career information, as well as information on other school-related topics. It is vitally important that you review this information carefully and give serious thought to planning your program. The courses for which you register form the basis of your educational program. Your program provides you the opportunities for personal success now and in the future.

As you read this book and select your course of study, you should do the following: develop a plan of study that is consistent with your skills and interests. Be aware of the prerequisites for the courses for which you register. Be aware of the graduation requirements. Select courses that will challenge you. Be aware of NCAA regulations for eligible courses.

You are encouraged to take more courses than the minimum requirements. Success in the future depends on learning how to learn, how to use resources, and how to develop experiences that will help you to contribute to society. Our courses align with the Cheshire High School Performance Standards.

Please read this *Program of Studies* carefully and discuss the contents with your parents. This information will not only help you understand the course offerings, but also the process and importance of selecting them. Please ask a teacher, school counselor or administrator for assistance with course selection. We are here to help you be successful.

Sincerely,



Kevin J. Hanlon

Principal



Kristin Pelz

Assistant Principal



Maureen Reed, Ed.D.

Assistant Principal



Daniel Tartarelli

Assistant Principal

The mission of the Cheshire High School learning community is the enhancement of student understanding.



Member: New England Association of Schools and Colleges

2025-2026 CHESHIRE HIGH SCHOOL
PROGRAM OF STUDIES

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MISSION STATEMENT

The mission of the Cheshire High School learning community is the enhancement of student understanding. For understanding to be achieved, teachers will guide students to shape information into knowledge and knowledge into understanding. Though rewarding in itself, we believe that understanding is pursued to enable students to be complex adult thinkers, learners, workers and community contributors.

In a rapidly changing democratic society and global community, teachers must prepare students to be active, self-directed, inquisitive learners and researchers. Instruction should provide students with the opportunity to tackle authentic problems; to use their skills appropriately with and across disciplines; to learn to work alone, cooperatively, and collaboratively in realistic settings; to communicate effectively; and to participate in varied assessments. Through these experiences students will become willing and productive thinkers with a passion for learning.

The Cheshire High community of students, faculty, and parents will strive to provide a safe and nurturing academic and social environment where individual students may reach their potential. We believe that each member of the CHS community should strive for high ethical conduct and respect the worth, talents, and unique abilities of other individuals.

Through the fulfillment of this mission statement, Cheshire High School students will secure a better understanding of the mathematical, technological, physical, and biological worlds; the worlds of the arts and literature; the social world; and the world of self.

August 6, 2004



VISION OF THE GRADUATE

The Cheshire Public Schools prepares students to become lifelong learners who can adapt to a rapidly changing society. We believe in the capacity of every student to succeed academically, socially, and emotionally. Through the continuous development of complex skills and knowledge, students will acquire the qualities and characteristics of successful and engaged learners. Graduates of the Cheshire Public Schools will be ready to positively and successfully influence our global society. These skills, knowledge, and characteristics are attained through the satisfactory completion of the content of each course, and in the context of applying these skills across disciplines and in real-world applications throughout every student's educational experience.

The skills, knowledge, and characteristics in the vision are described in the following ways:

The Student as Thinker/Learner (Self):

The Cheshire graduate uses a variety of complex reasoning skills to shape information into knowledge and knowledge into understanding. Background knowledge is applied to new learning, synthesizing information in the creation of new ideas. The graduate is an independent, reflective, and responsible learner, capable of self-direction, self-efficacy and self-motivation.

The Student as Collaborator (Others):

The Cheshire graduate actively participates as a member of a team in order to achieve a common goal. He or she effectively expresses ideas demonstrating respect for self and others while having the social and emotional awareness to recognize individual differences.

The Student as Community Contributor (World):

The Cheshire graduate is an active participant at the local and global level. The graduate demonstrates concern and respect for self, others, and property in order to make a positive impact on the community and assume responsible and ethical citizenship by taking positive action.

Adopted July, 2019

PERFORMANCE STANDARDS

Complex Thinker

The Cheshire Public Schools student uses a variety of complex reasoning skills and techniques from multiple disciplines to shape information into knowledge and knowledge into understanding.

Attributes:

- A. Identifies, analyzes and solves authentic/complex problems, situations, questions, and issues*
- B. Explores a variety of critical and/or creative strategies to accomplish tasks*
- C. Applies content specific procedures and processes (formulas, equations, syntax, etc.) to solve problems*
- D. Assesses the relevance of information, synthesizes information and experiences from multiple sources*

Creative Thinker

The Cheshire Public Schools student thinks creatively and produces innovative or original products demonstrating novel approaches to thinking and learning.

Attributes:

- A. Generates innovative or original ideas and applies them in practice*
- B. Approaches situations from different perspectives while challenging assumptions*
- C. Develops an open and growth-oriented mindset: students demonstrate an ability to learn from setbacks, persevere through challenges and take risks*
- D. Demonstrates flexibility and openness to divergent ideas and different approaches, understanding the connections between different concepts across all disciplines*

Self-Directed Learner

The Cheshire Public Schools student is an independent and reflective lifelong learner.

Attributes:

- A. Demonstrates self-advocacy, self-awareness, and assessment of skills and strengths*
- B. Effectively allocates time to accomplish learning and/or personal goals*
- C. Seeks and uses resources to promote continued learning*
- D. Prepared to fully and actively participate in all learning experiences*

Effective Communicator

The Cheshire Public Schools student clearly expresses his or her ideas in an effective and organized manner.

Attributes:

- A. Generates ideas and articulates them clearly and in a well-organized fashion demonstrating thoughtful and precise use of language and personal voice*
- B. Considers the perspectives of diverse audiences in all communication*
- C. Communicates for a variety of purposes including information, persuasion, instruction, and motivation*
- D. Communicates using various modes of expression*

Collaborative/Cooperative Learner

The Cheshire Public Schools student engages with members of a group in order to achieve a common goal.

Attributes:

- A. Monitors and adjusts own behaviors in order to equitably contribute to group success*
- B. Works interdependently toward the achievement of group goals by fulfilling individual roles within the group*
- C. Demonstrates effective interpersonal skills and applies them respectfully when challenging and responding to the ideas of others*
- D. Practices empathy for the perspective of others and the ability to compromise to achieve a common goal*

Community Contributor

The Cheshire Public Schools student actively participates in the school, town, and global community while demonstrating concern and respect for self, others, and property.

Attributes:

- A. Shows awareness of social expectations by exhibiting appropriate behavior*
- B. Demonstrates responsible decision-making and constructive choices by showing respect, civility, and a consideration of the welfare of self, others, and property*
- C. Exhibits respect for self and others while recognizing individual differences*
- D. Assumes responsible citizenship by taking positive action in the school, town and global community*

Adopted July, 2019

NONDISCRIMINATION POLICIES

SEXUAL HARASSMENT

It is the policy of the Cheshire Board of Education that sexual harassment is forbidden. No member of the board, agent or employee of the board, agent or employee of any employee or organization or any student may harass any employee, person seeking employment or student on the basis of sex.

“Sexual harassment” is defined as any unwelcome sexual advances, requests for sexual favors, other offensive verbal or physical conduct that is sexual in nature, the display or circulation of written materials or pictures degrading to gender, any conduct of a sexual nature when:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s employment or student grades or status, or;
2. Submission to or rejection of such conduct by an individual is used as the basis for employment or schooling decisions affecting such individual, or;
3. Such conduct has the purpose or effect of substantially interfering with an individual’s work or school performance or of creating an intimidating, hostile or offensive working or school environment.

Any board member, employee or student found to have engaged in sexual harassment will be subject to immediate disciplinary action, up to and including removal from office, discharge from employment, expulsion from school or referral to legal authorities for prosecution, as judged appropriate on a case by case basis.

Any student who believes he or she has been subject to sexual harassment should report the incident immediately to his or her school counselor or the school principal.

NONDISCRIMINATION POLICY

Cheshire Public Schools prohibit discrimination against any student on grounds of race, color, religion, national origin, sex, or physical handicap. The Cheshire Public Schools comply fully with all regulations in Title VII of the Civil Rights Act of 1964, as amended, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973 and federal and state statutes and regulations in all of its educational programs and employment practices.

DISCRIMINATORY PRACTICES

Sec. 46a-58. (Formerly Sec. 53-54). Deprivation of Rights

It shall be a discriminatory practice in violation of this section for any person to subject, or cause to be subjected, any other person to the deprivation of any rights, privileges or immunities, secured or protected by the constitution or laws of this of this state or of the United States, on account of religion, national origin, alienage, color, race, sex, blindness or physical disability.

Connecticut State Statute Cited. 196 C. 208, 215

COMPLIANCE OFFICERS

TITLE VI: MAUREEN REED, ASSISTANT PRINCIPAL

TITLE IX: KEVIN HANLON, PRINCIPAL

SECTION 504: KEVIN HANLON, PRINCIPAL

CHESHIRE HIGH SCHOOL
525 SOUTH MAIN STREET
CHESHIRE, CT 06410
PHONE 203/250-2511

JEFF SOLAN, SUPERINTENDENT OF SCHOOLS
29 MAIN STREET
CHESHIRE, CT 06410
203/250-2400

WHERE TO GET HELP

If you have any questions regarding course selection, we want to help. The names of our administrators and department chairs are provided for your use. You may also call the main office (203) 250-2511 where your call will be directed to the right person or the School Counseling Department (203) 250-2556 if you wish to speak with a counselor.

Cheshire High School Administration

Kevin Hanlon, Ed.D, Principal
 Kristin Pelz, Assistant Principal
 Maureen Reed, Ed.D, Assistant Principal, Curriculum
 Dan Tartarelli, Assistant Principal
 John Perosino, Athletic Director
 Marie Broadway, Special Education 7-12 Supervisor

Department	Telephone Number
<u>Nurse</u> Nancy Stanton	(203) 250-2532
<u>School Counseling</u> Michelle Boss, Chair	(203) 250-2523
<u>Business</u> Leslie Judd-Paier, Chair	(203) 250-2541
<u>Career and Technical Education</u> Thomas Lewoc, Chair	(203) 250-2560
<u>English/Drama</u> Ian Wildermann, Chair	(203) 250-2546
<u>Music</u> Nicole Kliegl, Chair	(203) 250-2534
<u>Visual Arts</u> Jillian Puckett, Chair	(203) 272-7283
<u>Physical Education and Health</u> Michael Devine, Chair	(203) 250-2538
<u>Mathematics</u> Elizabeth Garcia-Davis, Chair	(203) 250-2536
<u>Science</u> Julie Barker, Chair	(203) 250-2567
<u>Social Studies</u> Timothy Galvin, Chair	(203) 250-2547
<u>Special Education</u> Deborah Bottaro, Chair	(203) 250-2554
<u>World Languages</u> Artur Branco, Chair	(203) 250-2543

REGISTRATION INFORMATION

The Cheshire High School *Program of Studies* includes descriptions of all courses offered during the 2025-2026 school year. As you consider what courses to select, be sure to think carefully about graduation requirements and college and vocational plans as well as your own needs, interests, and skills. Student-athletes should look at the NCAA requirements for admission to colleges when planning their programs. Please discuss your course choices with your parents before you finalize them. Keep in mind that **all students must be registered for at least 6-1/2 credits and must include Physical Education among these credits. Students in their senior year must pass at least 4 academic credits in order to graduate.** Students are strongly encouraged to take seven credits when possible and appropriate.

All the requirements for graduation are detailed in this *Program of Studies*. If you need help understanding these requirements or any other aspect of your registration, please contact your school counselor or the appropriate faculty member. We are here to help you!

ADDING/DROPPING COURSES

In January of each year, teachers make student course recommendations for the following year. The teachers' recommendations for the students are based on student prior performance, interest, standardized test performance, and attainment of performance and content standards. As students select their courses in February, they should consult with their parents, school counselors, and teachers. On occasion, parents may override teacher recommendations, but should do so with caution: once a student overrides into a course, they cannot drop the course or switch levels. Override forms are not available until fourth quarter and can be obtained from the School Counseling Office.

Students sometimes decide they want a different course from the one originally selected. It is expected that students and their parents have read the *Cheshire High School Program of Studies* and understand all available courses and the course progression. Students have had ample time to register for and review their course selections from February of the previous year to ***four days into the current school year and make necessary changes.*** Courses may not be changed after the first four school days of the year or the first two days of a semester for half year courses. It is **only under extremely special circumstances that requests for changes be considered outside of the above mentioned times.**

If you make a request for a course change, please understand that we are constrained by enrollment, graduation requirements, and scheduling restraints that may limit options for changes. All students, including seniors, must carry 6.5 credits for the entire school year. No requests to lower this credit amount will be honored. If a circumstance warrants a change, the request must be made ***before 2:30pm on the fourth day of school for year-long and semester 1 classes and 2:30pm on the second day of semester 2 for any new half-year classes.***

Within that add/drop window, students will initiate the request for a course change with their school counselor or the subject area department chair, who will discuss the request with the student.

- ♦ If a student is requesting to drop a class, they must send an email to their school counselor and the department chair for that subject area for consideration. The email should include a detailed reason for the request to drop the course.

- ◆ While the course change is being considered , the student must attend their original class until the request is finalized.
- ◆ If any part of the request is denied, the school counselor will inform the student.
- ◆ If all parts of the request are approved, the student will be notified and see the change reflected in PowerSchool

Procedure for Adding Classes

At the beginning of each semester, students may request to add a course to their schedule **before 2:30pm on the fourth day of school for year-long and semester 1 classes and 2:30pm on the second day of semester 2 for any new half-year classes.** Any student wishing to add a course should talk to their school counselor about what is available. Students are reminded to consider the following circumstances before submitting the request:

- ◆ Requests are on a first-come, first-served basis.
- ◆ Only requests which replace a study hall will be processed. No changes to the existing schedule will be made to honor the request.
- ◆ Students must meet any prerequisite for a course requested.

Special Considerations for AP/ECE/CE Courses

If you enroll in an AP/ECE/CE class, you are agreeing to participate in a semester or year-long college level course. Many of these courses carry required summer work for you to complete. **No student enrolled in an AP/ECE/DE course will be permitted to withdraw after 5 days past the end of the school year.**

These courses are challenging and require patience as you develop skills. Additionally, many of our college level courses are offered with one or few sections. Your place in the course is preserved when you select it during course registration, and once the course is closed, additional student requests cannot be honored. Therefore, it is highly recommended that you carefully consider your enrollment request in the course selection process. Make sure to balance your requested course load, as not completing required summer work is not a justifiable reason to request to drop a course. Know that all teachers of these courses are excited to work with you and support you, but when you make the commitment, you must honor it for the duration of the class.

LEVELING POLICY

Teachers recommend levels to students based on their past performance, teachers' assessments of students' class work, and scores on standardized tests. The proper placement of students in courses is one way in which teachers address the learning needs of students. Cheshire High School believes that students should challenge themselves to reach their fullest potential by taking courses at the highest levels appropriate to them. Students are also encouraged to talk with their school counselor, parents, and teachers about balancing the workload of courses with other important activities and responsibilities outside of the school day and their personal mental health and stress level.

The courses available at Cheshire High School are classified as follows:

Advanced Placement/UCONN ECE (AP): The focus of these courses is to provide instruction that is rigorous, and requires superior scholarship. These courses are conducted at a pace comparable to a college course and UCONN ECE courses confer transferable college credit. These courses involve preparation for AP exams and are conducted at a pace comparable to a college course.

Dual Enrollment (CE): The focus of these courses is to provide college-level rigor, pace, and instruction. These courses are taught in collaboration with CT State Colleges and offer transferable college credit upon successful completion of the course.

Honors: The focus of these courses is to provide instruction that requires sound scholarship, strong academic motivation, and excellent study skills. The curriculum is comprehensive and challenging.

All Other Courses: The focus of these courses is to provide instruction that is challenging and encompasses a comprehensive curriculum in preparation for college coursework.

MARKING SYSTEM

97-100 A+	87-89 B+	77-79 C+	67-69 D+	0-59 F
93-96 A	83-86 B	73-76 C	63-66 D	
90-92 A-	80-82 B-	70-72 C-	60-62 D-	

REQUIREMENTS FOR PROMOTION

To Be a Sophomore: 6 Credits

To Be a Junior: 13 Credits

To Be a Senior: 19 Credits

To Graduate: 25 Credit

GRADUATION REQUIREMENTS

CT Defined Subject Areas	CHS Graduation Requirement
The Humanities (including Civics and the Arts) 9	4 English 3 Social Studies (<i>including .5 credit in Civics and 1 credit in U.S. History</i>) 1 Fine Arts 1 Humanities Elective
Science, Technology, Engineering and Mathematics 9	3 Mathematics 3 Science 2 CTE or Business (<i>including .5 Personal Finance</i>) 1 STEM Elective
Physical Education and Wellness 1 Health and Safety 1	Wellness (.5 credit each year) 9,10,11,12 2
World Languages 1	1
Electives 4	4
Total	25

A total of *four* (4) High School credits may be granted upon successful completion of a specified course requirement in grade seven or eight for mathematics or World Language. The focus of the course must correspond directly to the subject matter of a specified course requirement in grades 9-12.

There are many pathways to credit acquisition available through Board Policy and State Statute. Reference Cheshire Public Schools Policy 6146 for more information.

In addition to the credits listed above, students must demonstrate proficiency in the areas of mathematics, reading, and writing. To demonstrate these proficiencies, a student must achieve a standard established by the Cheshire Public Schools on a state issued assessment or course fulfillment.

Students who do not demonstrate proficiency in reading, writing or mathematics will be enrolled in a support program (e.g. Reading Workshop, Writing Workshop and/or Math Workshop for additional academic support). These programs will provide students with opportunities to develop skills and concepts necessary to demonstrate proficiency in their area of struggle.

Instructional Textbooks: Any instructional textbook that is used in any class and/or course currently being used as an e-text is also available in hard copy for use at home. Students are asked to speak to his/her teacher directly to obtain a hard copy of an instructional textbook if needed for use at home.

CREDIT CATEGORIES CHEAT SHEET

When looking at the courses you are signing up for, you need to make sure you are taking Fine Arts, Business, CTE, Humanities, and STEM electives to meet your graduation requirements. Not sure what courses will fulfill those requirements? This guide will help you!

CHS DEPARTMENT:	COURSES TAKEN IN THIS DEPARTMENT FULFILL REQUIREMENTS FOR:
Art	Fine Art, Humanities, or Elective credit
Business	Business/CTE, STEM, or Elective credit
CTE	Business/CTE, STEM, or Elective credit
English	English, Humanities, or Elective credit
Math	Math, STEM, or Elective credit
Music	Fine Art, Humanities, or Elective credit
PE/Health	PE & Health or Elective credit
Science	Science, STEM, or Elective credit
Social Studies	Social Studies, Humanities, or Elective credit
Special Offerings	Humanities or Elective credit
Theater	Fine Arts, Humanities, or Elective credit
World Language	World Language, Humanities, or Elective credit

GRADE WEIGHTING

Students must take responsibility for knowing how many total credits they have accumulated towards their graduation requirements. If a student has failed any course or is lacking credits, they should see their school counselor to ascertain whether all requirements can be met by graduation time. Seniors must earn a minimum of four credits in their senior year.

	Grade Point by Level		
Grade	Standard	Honors	Advanced Placement Dual Enrollment & UConn ECE
A+	4.33	4.83	5.33
A	4	4.5	5.00
A-	3.66	4.16	4.66
B+	3.33	3.83	4.33
B	3	3.5	4.00
B-	2.66	3.16	3.66
C+	2.33	2.83	3.33
C	2	2.5	3.00
C-	1.66	2.16	2.66
D+	1.33	1.83	2.33
D	1	1.5	2.00
D-	.66	1.16	1.66
F	0	0	0

NCAA INITIAL-ELIGIBILITY REQUIREMENTS

ATTENTION All prospective student-athletes intending to enroll in a NCAA Division I or II institution for the first time **MUST** complete the NCAA Initial Eligibility form. You can obtain this online by going to the NCAA Eligibility Center website (www.NCAA.org).

NCAA DIVISION I

Core Courses (16):

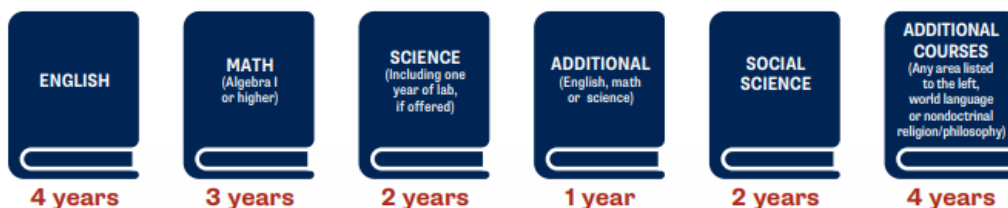
- First year of full-time enrollment at an NCAA Division I school:
 - Earn 16 NCAA-approved core-course credits in the right areas:
 - Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester.
 - Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
 - Submit your final transcript with proof of graduation to the Eligibility Center.
- Core courses must include: English – 4 years, Math – 3 years, Science – 2 years, Additional English, Math, or Science – 1 year, Social Science – 2 years, Additional Approved Courses – 4 years
- Students who do not meet core-course progression requirements may still be eligible to receive athletics aid and practice in the initial year of enrollment by meeting academic redshirt requirements:
 - Earn 16 NCAA-approved core-course credits in the right areas.
 - Earn a corresponding test score that matches your core-course GPA (minimum 2.0) on the Division I sliding scale.*
 - Submit your final transcript with proof of graduation to the Eligibility Center.

DIVISION I ACADEMIC REQUIREMENTS

To study and compete at a **Division I school**, you must earn 16 NCAA-approved **core-course credits**, earn a minimum 2.3 **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

CORE-COURSE REQUIREMENTS

Earn 16 NCAA-approved core-course credits in the following areas:



For Division I, 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

Core Grade-Point Average:

- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

NCAA DIVISION II

Core Courses (16):

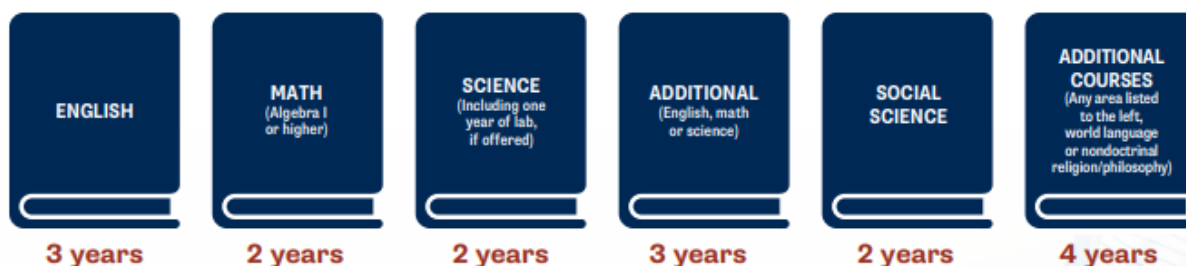
- To become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement.
 - Full qualifier:
 - Earn 16 NCAA-approved core-course credits in the right areas.
 - Submit your final transcript with proof of graduation to the Eligibility Center
 - Partial qualifier:
 - If you have not met all of the Division II academic standards, you will be deemed a partial qualifier. As a partial qualifier, you may practice and receive an athletics scholarship, but may NOT compete, during your first year of full-time enrollment at an NCAA Division II school.
- Core courses must include: English – 3 years, Math – 2 years, Science – 2 years, Social Science 2-years, Additional English, Math, Science or Social Science – 3 years, Additional Approved Courses - 4 years

DIVISION II ACADEMIC REQUIREMENTS

To study and compete at a **Division II school**, you must earn 16 NCAA-approved **core-course credits**, earn a minimum 2.2 **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

CORE-COURSE REQUIREMENTS

Earn 16 NCAA-approved core-course credits in the following areas:



QUALIFIER

As a Division II qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division II school.

Core Grade-Point Average:

- Only core courses that appear on the high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org) will be used to calculate your core-course GPA. Use this list as a guide.
- Core-course GPA is calculated using the **best 16 core courses** that meet both progression (10 before seventh semester; seven in English, math or science; "locked in") and subject-area requirements.

NCAA APPROVED COURSES

<i>English</i>		
Standard	Honors	AP/DE/ECE
American Literature Senior Literature World Literature I World Literature II	Honors American Literature Honors British Literature Honors Journalism Honors Reading Lit & Reading Film Honors Speech Honors World Literature I Honors World Literature II Honors Writers Workshop	AP Language and Composition AP Literature and Composition AP Seminar British Literature ECE

<i>Mathematics</i>		
Standard	Honors	AP/DE/ECE
Algebra I Algebra II Calculus Geometry Modeling with Mathematics Pre-Calculus Probability & Statistics Trigonometry	Honors Algebra I Honors Algebra II Honors Calculus Honors Elementary Discrete Math. Honors Geometry Honors Pre-Calculus	AP Calculus AB AP Calculus BC AP Computer Science Principles AP Precalculus AP Statistics ECE Elementary Discrete Math.

<i>Science</i>		
Standard	Honors	AP/DE/ECE
Astronomy Biology Catastrophic Geologic Events Chemistry Conceptual Chemistry Earth Science Environmental Science Forensic Science Oceanography Physics Survey of Anatomy & Physiology Zoology	Honors Anatomy & Physiology Honors Biology Honors Honors Earth Science Honors Physics	AP Biology AP Chemistry AP Environmental Science AP Physics I AP Physics C

<i>Social Studies</i>		
Standard	Honors	AP/DE/ECE
A Modern World History Civics Global Citizenship Principles of Law Psychology Sociology The Vietnam War US History	Honors A Modern World History Honors Black & Latino Studies Honors Economics Honors Human Rights & The Law Honors US History	AP European History AP Human Geography AP Macroeconomics AP Psychology AP US Government & Politics AP US Historyhh Human Rights & The Law ECE

<i>World Language</i>		
Standard	Honors	AP/DE/ECE
French I French II French III French IV French V German I German II German III German IV German V Italian I Italian II Italian III Italian IV Latin I Latin II Latin III Latin IV Latin V Spanish I Spanish II Spanish III Spanish IV Spanish V	Honors French I Honors French II Honors French III Honors French IV Honors French V Honors German I Honors German II Honors German III Honors German IV Honors German V Honors Italian I Honors Italian II Honors Italian III Honors Italian IV Honors Latin I Honors Latin II Honors Latin III Honors Latin IV Honors Latin V Honors Spanish I Honors Spanish II Honors Spanish III Honors Spanish IV Advanced Honors Spanish IV Honors Spanish V	AP French Language AP German Language AP Latin AP Spanish Language

BUSINESS DEPARTMENT



Business courses engage and support Cheshire High School students in real-world learning opportunities to develop college and career readiness skills needed to compete effectively in a global economy. Business education is an integral part of the total academic experience necessary for our students to be successful in meeting the challenges of today's complex and changing business environment. Business classes help students make interdisciplinary connections, improve critical thinking skills and promote the development of communication, social, and emotional skills.

Course Options in Business

	Grade 9	Grade 10	Grade 11	Grade 12
Accounting I CE		✓	✓	✓
Accounting II CE			✓	✓
Advanced Personal Finance CE			✓	✓
AP/ECE Macroeconomics			✓	✓
AP/ECE Microeconomics			✓	✓
Cadet Teaching Honors			✓	✓
Career Development			✓	✓
Computer Essentials	✓	✓	✓	✓
Comp. Essentials/Word Processing	✓	✓	✓	✓
Economics Honors		✓	✓	✓
Internship Experience Honors			✓	✓
Introduction to Business BBG 101 CE		✓	✓	✓
Investing for Financial Success			✓	✓
Marketing I		✓	✓	✓
Marketing II Honors			✓	✓
Microsoft Office I	✓	✓	✓	✓
Microsoft Office II	✓	✓	✓	✓
Personal Finance	✓	✓	✓	✓

****AP - Advanced Placement, ECE - UConn Early College Experience,
CE - Concurrent Enrollment with the CT State Community College****

BUSINESS COURSE SEQUENCE IDEAS

Are you interested in becoming a(n)

Accountant Try taking these courses: CE Accounting I CE Accounting II AP/ECE Macroeconomics AP/ECE Microeconomics Honors Economics Microsoft Office I & II	Advertising Executive, Brand Manager, Marketing or Public Relations Specialist Try taking these courses: Marketing I Honors Marketing II CE Introduction to Business Microsoft I & II AP/ECE Macroeconomics AP/ECE Microeconomics Honors Economics
Business or Management Executive Try taking these courses: Microsoft Office I & II Personal Finance and/or Adv. Personal Finance CE Accounting I Marketing I AP/ECE Macroeconomics AP/ECE Microeconomics Honors Economics	Stock Analyst or Investment Manager Try taking these courses: Personal Finance and/or Adv. Personal Finance Investing AP/ECE Macroeconomics AP/ECE Microeconomics Honors Economics Microsoft Office I & II CE Accounting I
Economist Try taking these courses: Microsoft Office I Personal Finance AP/ECE Macroeconomics AP/ECE Microeconomics Honors Economics CE Introduction to Business Investing CE Accounting I	Human Resource Executive, Director of Recruiting or Staffing Try taking these courses: Microsoft Office I and II CE Introduction to Business AP/ECE Macroeconomics AP/ECE Microeconomics Honors Economics
IT Systems Administrator, Software Engineer, IT Security Specialist Try taking these courses: Computer Essentials Microsoft Office I & II	Other Opportunities in the Business Department: Career Experience Try taking these courses: Honors Internship Experience Honors Cadet Teaching Experience Career Development

FULL YEAR BUSINESS COURSES

ACCOUNTING I CE (BE0553)*(Concurrent Enrollment with CT State Community College)***Credit: 1****Grades: 10, 11, 12****Prerequisite:** None

This course is highly recommended for all students who wish to pursue a degree in any area of business in college. This course teaches students the “language of business.” Students receive an introduction to basic accounting concepts and principles, with an emphasis on their practical application - recording, classifying, and summarizing financial information that flows within a business enterprise. The accounting cycle is examined within the areas of sales, purchases, cash, receivables and payroll. Students will also learn how to use spreadsheets and their application to accounting procedures.

Qualifying students may earn three college credits through the CT State Community College's College Career Pathways (Honors) program.

ACCOUNTING II CE (BE0551)*(Concurrent Enrollment with CT State Community College)***Credit: 1****Grades: 11, 12****Prerequisite:** Successful completion of Accounting I (BE0553)

This course is taught as the management tool of modern business with emphasis on the use and interpretation of accounting information. Students will continue their studies of accounting but it will be from the corporate perspective. This class covers the same accounting concepts and practices that are covered in a first year college Financial Accounting class. Topics include: financial statement preparation for balance sheets, income statements, statements of retained earnings, cash flow statements, accounting for cash, receivables, inventory, plant and intangible assets, liabilities and stockholders' equity.

Qualifying students may earn three college credits through the CT State Community College's College Career Pathways (Honors) program.

AP/ECE MACROECONOMICS (BE0594)*(UConn Early College Experience Course)***Credit: 1****Grades: 11, 12****Prerequisite:** None

This course places emphasis on the study of national income and price-level determination and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students will analyze the characteristics of macroeconomics and then logically connect those characteristics to real-world economic applications. Emphasis will be placed on the policies and actions taken by the government and agents of the government to establish a stable and productive economy. Reading, writing, and graphing expectations are rigorous and demanding. Consequently, a high degree of personal motivation in the study of economics is strongly recommended.

AP/ECE MICROECONOMICS (BE0598)
(UConn Early College Experience Course)

Credit: 1
Grades: 11, 12

Prerequisite: None

This course covers the fundamental concepts in an upper-grade level microeconomics course, and gives students an academic perspective on how companies and organizations make decisions regarding the use of resources, the addition of labor, pricing strategies, costs analysis, and profit maximization. Additionally, insights are gained as to how governments use key levers such as taxes, subsidies, price floors and price ceilings, and tariffs to drive corporate actions and business activity, while ultimately seeking to manipulate the larger economy. This course is hands-on, and the topics are easily relatable to by students who have now been consumers in a marketplace, and can understand key attributes of different economic climates.

Assignments are rigorous and demanding. Consequently a high degree of personal motivation, as well as strong executive functioning skills is strongly recommended.

CAREER DEVELOPMENT (BE0583)

Credit: 1
Grade: 11, 12

Prerequisite: None

The Career Development course is designed to equip juniors and seniors with “real world” occupational skills necessary in the workplace. Career exploration and paid-on-the-job experience are an integral part of the program. Career Development topics include: job acquisition skills (interviewing, resume/cover letter writing, etc.), employer/employee relationships (problem solving/communication skills), and career awareness (future jobs/careers, making meaningful and productive career decisions). Students participate in a one day job shadow in the field of their choice. Students are required to have a job and are released early on selected days for the work-based portion of the program.

COMPUTER ESSENTIALS/WORD PROCESSING (BE0521)

Credit: 1
Grades: 9, 10, 11, 12

Prerequisite: None

An essential course for all students living in our technological age. Students will master and enhance their skills in using the touch keyboarding system while gaining speed, accuracy, and improved proofreading skills. Students will produce essential documents for use in high school, college, and future employment. Microsoft Word formatting applications include the production of resumes and cover letters, MLA reports with proper citations, e-mail use and etiquette, Internet use and safety, tables, graphics, merged documents and more. It is suggested that this course be followed by Microsoft Office I and Microsoft Office II. Real-world simulations will be used in class for creating authentic documents.

SEMESTER BUSINESS COURSES

ADVANCED PERSONAL FINANCE CE (BE0562)

(Concurrent Enrollment with CT State Community College)

Credit: .5

Grades: 11, 12

Prerequisite: Successful completion (C- or better) in Personal Finance (BE0560) or (BE0561)

This course is ideal for students striving to get a head start on real life financial challenges affecting them now and in the future. The course provides students with an advanced look at a variety of consumer financial topics and builds upon the lessons learned from the Personal Finance course. Topics include: time value of money, investments, loans and credit, cash management, taxes, home ownership, life and health insurance, and estate planning. Students will gain the skills and knowledge necessary to successfully navigate the complex world of consumer finance.

Qualifying students may earn three college credits through the CT State Community College's College Career Pathways (Honors) program.

HONORS CADET TEACHING (BE0596)

Credit: 1

Grade: 11, 12

Prerequisite: None

Cadet Teaching is an exciting opportunity for students who are interested in pursuing a career in teaching or education. Students attend class to learn the basics of teaching and learning, special education, and also create and teach a lesson plan. Students are released early on certain days to work at an elementary school where they are assigned to a classroom and teacher. Students assist teachers by tutoring, planning activities, and delivering small group instruction. Guest speakers will share their expertise in the field of education with the class.

COMPUTER ESSENTIALS (BE0527)

Credit: .5

Grades: 9, 10, 11, 12

Prerequisite: None

This course is a must for all students living in our technological age. Students will master and enhance their skills using touch keyboarding while gaining speed and accuracy. Students will also gain valuable skills using Microsoft Word to create essential documents for use in high school, college, and future employment. Students will create resumes and cover letters, format MLA reports with proper citations, learn proper email etiquette, as well as Internet use and safety. It is suggested that this course be followed by Microsoft Office I and Microsoft Office II.

HONORS ECONOMICS (BE0243)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

Making sound economic decisions enables you to make informed and relevant choices in the marketplace, voting booth and your personal life. This course looks at choices made by individual consumers and the economy as a whole - better known as microeconomics and macroeconomics. Economic systems, the national economy, global economies, supply and demand, labor markets, banking, monetary and fiscal policies will be explored.

HONORS INTERNSHIP EXPERIENCE (BE0595)**Credit: .5**
Grades: 11, 12**Prerequisite:** A 3.0 GPA or better.

The Internship Experience is an exciting opportunity for students to gain valuable work experience while exploring a potential career that is of interest to them. Students will develop and refine employment skills and gain personal confidence through this course and experience. The class meets once during the six-day rotation and students must complete a minimum of 20 hours for their intern experience over a ten-week period.

INTRODUCTION TO BUSINESS BBG 101 CE (BE0505)
*(Concurrent Enrollment with CT State Community College)***Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

Introduction to Business is a half-year comprehensive business course intended for students who wish to learn the principles and practices of business. Topics include business law, management, economics, entrepreneurship, marketing, finance, communication, international business, insurance, business organization, and career skills. There is a focus on collaboration, communication, research and technology skills. Students will participate in a stock market competition, participate in an interview with a business owner in the community, and create a formal business plan. This concurrent enrollment course is articulated to BBG 101 Introduction to Business at CT State Community College.

Qualifying students may earn three college credits through the CT State Community College's College Career Pathways (Honors) program.

INVESTING FOR FINANCIAL SUCCESS (BE0528)**Credit: .5**
Grades: 11, 12**Prerequisite:** None

Do you want to learn how to invest your money? Do you want to learn about different financial options? Do you want to make more money with the money you already have? Do you want to protect your money and other assets you have accumulated?

This course introduces you to the world of money management. We will explore financial securities such as stocks, bonds, mutual funds, and real estate. We will discuss speculative investments and how to incorporate them into an investment portfolio. Understanding the major concepts in this course will enable students to make wise investment decisions that will affect their financial future.

MARKETING I (BE0571)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

Marketing consists of many different activities – all designed to help get a product or service to the consumer. It is about public relations, specifically community driven projects, promotions, selling, advertising, and much more. Marketing involves research and product design to best develop products that satisfy the needs and wants of a consumer; it is a critical business function. Marketing is a science, and a career, a fundamental aspect of our global economy. It is suggested that anyone interested in a marketing career also sign up for Marketing II and consider joining DECA, a national club with a focus on marketing to further enhance and apply marketing concepts.

HONORS MARKETING II (BE0572)**Credit: .5**
Grades: 11, 12**Prerequisite:** Successful completion of Marketing I (BE0571)

Marketing II provides a hands-on approach to the field of sales and marketing. The course explores advanced marketing concepts including e-marketing, branding, consumer behavior and media buying topics. Principles and concepts learned in Marketing I (pricing, promotion, marketing research, product planning and management) are practiced through activities and projects including a comprehensive advertising and sales plan through a mock advertising agency learning environment.

It is suggested that anyone interested in a marketing career also consider joining DECA, a national club with a focus on marketing to further enhance and apply marketing concepts.

MICROSOFT OFFICE I (BE0523)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None

In Microsoft Office students utilize basic and advanced features of Word, Excel, PowerPoint, Publisher and Access. Students create documents, spreadsheets, databases, and presentations suitable for current and future coursework, professional purposes, and personal use. Projects and exercises make learning this important skill fun and exciting. Businesses often look to hire individuals who have knowledge and experience using the Microsoft programs.

MICROSOFT OFFICE II (BE0524)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** C- or better in Microsoft Office I or teacher recommendation

This course is designed for the student who has a foundation of knowledge of Microsoft Office Suite and wishes to learn the programs in more depth. The course will challenge students to build upon their knowledge of Word, Excel, PowerPoint, Publisher, and Access. Students will use Business Simulations to create documents that will give them the opportunity to become highly skilled in using Microsoft Office programs. Businesses often look to hire individuals who have knowledge and experience using Microsoft programs.

PERSONAL FINANCE GRADES 9 AND 10 (BE0560)
PERSONAL FINANCE GRADES 11 AND 12 (BE0561)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None**This course fulfills the Personal Finance graduation requirement.**

This course provides students with a foundation for utilizing personal financial planning techniques. Students learn skills necessary to become wise consumers, manage their own personal finances, and develop a better understanding of the economic effects on personal financial resources. Students are exposed to topics such as: credit, budgeting, banking, taxes, investing, careers, and more. Guest speakers, videos, internet activities and projects are used to make the curriculum come alive!

CAREER AND TECHNICAL EDUCATION DEPARTMENT



The mission of the Career and Technical Education Department is to provide opportunities for all students to discover their interests and educational pathways that can lead to success in high school, college, and their chosen career/profession. Our real world, project based, and student centered learning offers a collaborative approach which allows all students to attain outcomes that prepare them to become active and successful members of today's rapidly changing society.

Course Options in Career and Technical Education

	Grade 9	Grade 10	Grade 11	Grade 12
Adult Roles and Functions			✓	✓
Architectural Engineering and Design		✓	✓	✓
Bioengineering Concepts		✓	✓	✓
Child Development		✓	✓	✓
CHS Patisserie		✓	✓	✓
Culinary Arts	✓	✓	✓	
CE Advanced CNC Manufacturing (NVCC)			✓	✓
Digital Design 2	✓	✓	✓	✓
CE Manufacturing Fundamentals (NVCC)	✓	✓	✓	✓
CE Manufacturing Machining Principles (NVCC)		✓	✓	✓
Digital Photography		✓	✓	✓
Digital Video Production 1	✓	✓	✓	✓
Digital Video Production 2		✓	✓	✓
Engineering CAD	✓	✓	✓	✓
Food, Nutrition and Wellness		✓	✓	✓
Food Service		✓	✓	✓
Game Design and Development	✓	✓	✓	✓
Digital Design1	✓	✓	✓	✓
Health and Education in Urban Communities ECE			✓	✓
Human Growth and Development		✓	✓	✓
Lifespan Development ECE			✓	✓
Multimedia and Print Production	✓	✓	✓	✓
Principles of Engineering and Technology		✓	✓	✓
Residential Construction	✓	✓	✓	✓
Robotics Engineering and Design	✓	✓	✓	✓
Structures and Design		✓	✓	✓

Technical Theater I	✓	✓	✓	✓
Technical Theater II		✓	✓	✓
Web and App Design		✓	✓	✓

ECE - UConn Early College Experience,
DE - Dual Enrollment with Naugatuck Community College

CTE COURSES BY CAREER CLUSTER

Hospitality and Tourism Culinary Arts Food Service Food, Nutrition and Wellness CHS Patisserie	Architecture and Construction Technical Theater I Technical Theater II Structures and Design Residential Construction Architectural Engineering and Design
Education and Training Lifespan Development Child Development Human Growth and Development Adult Roles and Functions Health and Education in Urban Communities ECE	Information Technology Digital Design 1 Multimedia News Production Web and App Design Digital Video Production 1 Digital Video Production 2 Game Design and Development Digital Design 2 Digital Photography
Manufacturing DE Manufacturing Fundamentals DE Manufacturing Machining Principles DE Advanced CNC Manufacturing	Science, Technology, Engineering and Math Principles of Engineering and Design Bioengineering Concepts Robotics Engineering and Design Engineering CAD

SEMESTER FAMILY & CONSUMER SCIENCE COURSES

ADULT ROLES AND FUNCTIONS (AT0636)

Credit: .5
Grades 11, 12

Prerequisite: None

This course is designed to assist upperclassmen to understand the decision-making process and life skills of adulthood. This course includes the study of topics like: health, finances, career options, personal and family relations, and everyday living choices. By developing analytical and critical thinking skills, we increase our understanding of the world around us and equip ourselves with the tools we need to live a more productive and fulfilling life. Students will engage in career exploration, STEM learning concepts, and every day life technology applications that develop strong life management skills and create healthy habits.

CULINARY ARTS (AT0610)

Credit: .5
Grades: 9, 10, 11

Prerequisite: None

Teacher demonstrations, written assignments, and student labs make up this hands-on study of the culinary arts. Students gain experience in the safe use and care of a wide variety of culinary equipment. Both nutrition and culinary theory are introduced and applied as students practice and develop lifelong culinary skills. This knowledge and skills will enable them to support a healthy lifestyle. Students are also introduced to commercial food production applications, which lead to further study in advanced culinary-related courses.

FOOD SERVICE (AT0616)

Credit: .5
Grades: 10, 11, 12

Prerequisite: B- or higher in Culinary Arts or Teacher recommendation

This course is an extension of the Culinary Arts course. Students will employ the skills and experiences learned in Culinary Arts in order to plan and prepare meals. Students gain career-related skills by working in a commercial kitchen setting and catering various school-related events. The safe use and care of equipment as well as ServSafe sanitation practices are reinforced throughout the course. Participation in this course prepares students for a variety of food service occupations.

FOOD, NUTRITION AND WELLNESS (AT0621)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

This course will offer students the understanding of how food provides the body with essential nutrients to function, prevent chronic diseases, and maintain both physical and mental health, while also acknowledging factors like access, culture, and education in making healthy food choices. By understanding wellness, students can be empowered to make good decisions about their health and wellbeing throughout their lifespan. Healthy cooking will help reinforce good choices. This course fulfills the health requirements for Grade 12.

CHS PATISSERIE (AT0619)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** B- or higher in Culinary Arts or Teacher recommendation

Students will build upon their culinary skills to develop an understanding of baking and pastry arts. These skills are practiced as students prepare a variety of baked goods. This course integrates baking skills with some entrepreneurial business management concepts. Students will prepare baked goods, price, and sell their product.

CHILD DEVELOPMENT (AT0631)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

Interested in children, working with children, or a career that uses understanding of child developmental theories to create products for children? This course is designed to provide a basic understanding of development from the prenatal period through the elementary school years. Studying child development is crucial for professionals and parents to understand and support children's physical, cognitive, social, and emotional growth across all stages of life. By participating in a learning lab, students will have the opportunity to see theory in action. Career exploration, STEM concepts and technology applications will be used throughout the course. Child Development is designed as an introduction to the field of Human Growth and Family Science. Attention will be given to skills that promote college ready skills and habits.

HUMAN GROWTH AND DEVELOPMENT (AT0634)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

This course is designed to allow upperclassmen explore the issues of Human Development over the lifespan. Using interdisciplinary knowledge, STEM, and the design process, students will focus on defining problems, brainstorming ideas, and researching issues within Human Development. Students will have the opportunity to develop ideas by formulating solutions, acting on their learning by communicating their ideas, and working collaboratively to test and evaluate theories of Human Development. This class is designed as an introduction to the field of Human Growth and Family Science. Career exploration and technology applications will be used throughout the course. Attention will be given to skills that promote college ready habits.

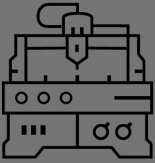
HEALTH AND EDUCATION IN URBAN COMMUNITIES ECE (AT0633)
*(UConn Early College Experience Course)***Credit: .5**
Grades: 11, 12**Prerequisite:** None

Health and Education in Urban Communities explores the historical and social forces that shape health and education in urban communities, specifically in Connecticut. Topics of study will include: poverty culture and identity, and how these phenomena affect children's health, nutrition, schooling, and opportunities for success. Through readings, media, discussion, reflection, and service in local urban communities. Coursework focuses on analyzing policies, norms, and beliefs in our society. We will consider how these trends may lead us to a more just society and how these may perpetuate injustice. This class is designed as an introduction to the field of Human Growth and Family Science. UConn requires students to have a B for English the previous year.

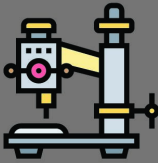
FULL YEAR FAMILY & CONSUMER SCIENCE COURSE**Lifespan Development (AT0637)**
*(UConn Early College Experience Course)***Credit: 1**
Grades: 11, 12**Prerequisite:** None

Lifespan Development is designed as an introduction to the field of Human Growth and Family Science while offering UConn Early College Experience credit. The course will provide students with an understanding of individuals within the family over the lifespan. The focus is on the developing individual from conception through old age. Using interdisciplinary skills, STEM skills, and the design process; students will focus on defining problems and researching issues within the lifespan. UConn requires students to have a B for English the previous year..

FULL YEAR TECHNOLOGY AND ENGINEERING COURSES



CHESHIRE HIGH SCHOOL MANUFACTURING ACADEMY



In Partnership with Naugatuck Valley Community College

YEAR ONE Dual Enrollment Manufacturing Fundamentals CAD/CAM - METROLOGY - BLUEPRINT READING - LAYOUT		YEAR TWO Dual Enrollment Manufacturing Machining Principles MANUAL AND AUTOMATED MILLING, DRILLING, & TURNING		YEAR THREE Dual Enrollment Advanced CNC Machining ADVANCED CNC MILLING, DRILLING, & TURNING	
ARE YOU READY FOR THE CHALLENGE?	LEARN INDUSTRY STANDARD PRACTICES	LEARN TO OPERATE MANUAL MACHINES	OPERATE AUTOMATED MACHINES	WORK WITH LOCAL MANUFACTURERS	

**EARN INDUSTRY
RECOGNIZED
CERTIFICATIONS**

Prepare Yourself for a Career in
Manufacturing and Engineering

**EARN COLLEGE
CREDITS**

CE MANUFACTURING FUNDAMENTALS (NVCC) (AT0702)
(Concurrent Enrollment with Naugatuck Community College)

Credit: 1
Grades: 9, 10, 11, 12

Prerequisite: None

This course is designed for students who are interested in automation in manufacturing and pursuing future courses in the manufacturing pathway at Cheshire High School. Students will focus on parametric modeling and design in both 2D and 3D in industry recognized software. Students learn to apply mathematical concepts to manufacturing and machining practices, read and interpret engineering drawings, and use highly precise measuring technology. The course also introduces the processes and principles that work together to transform raw materials into useful and valuable commodities. Students will be introduced to computer aided manufacturing (CAM) and will program CNC machines in a simulated environment. This class builds the technical skills needed to be successful in subsequent manufacturing courses and a career in manufacturing. It is a dual enrollment course offered in partnership with NVCC and can lead toward recognized industry certifications in Advanced Manufacturing.

CE MANUFACTURING MACHINING PRINCIPLES (NVCC) (AT0703)*(Concurrent Enrollment with Naugatuck Community College)***Credit: 1****Grades 10, 11, 12****Prerequisite:** B- in CE Manufacturing Fundamentals (AT702)

This course is an intensive hands-on experience where students focus on the setup and operation of manual and automated manufacturing machines and machining processes. Students will become proficient in manual and automated operations specific to drilling, milling, turning, grinding, and other processes specific to manufacturing. The class focuses on teaching students technical skills that are essential for a successful career in manufacturing and engineering. This is a dual enrollment course offered in partnership with NVCC and can lead toward recognized industry certifications in Advanced Manufacturing.

CE ADVANCED CNC MANUFACTURING (NVCC) (AT0704)*(Concurrent Enrollment with Naugatuck Community College)***Credit: 1****Grades: 11,12****Prerequisite:** B- in CE Manufacturing Machining Principles (AT0703)

This course is a highly intensive and specialized class that promotes complex and creative thinking strategies, manufacturing workflow organization, creation and design of 2D/3D computer models, and safely operating two, three, and four axis CNC machines. Students will rely on technical skills obtained in previous manufacturing courses to produce products that satisfy clients' needs. Students will have the opportunity to design custom projects on each automated CNC machine as part of the course. The class focuses on teaching students technical skills that are essential for a successful career in manufacturing and engineering. This is a dual enrollment course offered in partnership with NVCC and can lead towards recognized industry certifications in Advanced Manufacturing.

DIGITAL DESIGN 2 (AT0754)**Credit: .5****Grades: 9, 10, 11, 12****Prerequisite:** Successful Completion of Digital Design I AT0747

This course is an intensive experience in ideating and designing still and motion digital media. It is designed for the highly qualified student who may have an interest in a career path in the vast area of digital media design. This real-world, project-centered course challenges students to master the various software needed to execute digital and print solutions while also consistently communicating effectively visual messages to different audiences. This course will closely simulate a career in developing digital media on multiple platforms through comprehensive individual and group projects. Students will be required to maintain a digital portfolio throughout the duration of the course.

MULTIMEDIA AND PRINT PRODUCTION (AT0748)**Credit: 1**
Grades: 9, 10, 11, 12**Prerequisite:** None

This course is designed for students who are looking for a hands-on interdisciplinary experience. The course is designed as an introduction to the technical skills needed for creating professional print and web publications. Students will be introduced to the concepts of and become proficient in digital photography, creative writing, editing, graphic design techniques, marketing, and advertising to create and sell publications. This class is a real world experience for students who plan on careers in graphic/web design, advertising, or business. Hours outside of class will be needed in order to finish and meet deadlines for contracted work.

ARCHITECTURAL ENGINEERING AND DESIGN (AT0753)**Credit: 1**
Grades: 10, 11, 12**Prerequisite:** None

Students will explore the fundamentals of designing and drawing structures. A focus will be on residential architectural styles, methods of construction, pertinent design criteria, and building codes. Students will utilize sketching techniques and computer aided drafting (CAD) software along with decision-making skills and creativity to design and draft a residential house plan. Scaled model homes will be built. Students enter in a State-wide youth design competition and are given an opportunity to win scholarships. The course also emphasizes sustainable design practices, architectural standards, and collaborative problem-solving to prepare students for real-world applications in the field of architecture and engineering.

PRINCIPLES OF ENGINEERING AND TECHNOLOGY (AT0366)**Credit: 1**
Grades: 10, 11, 12**Prerequisite:** None

The course focuses on the process of applying engineering, technological, scientific and mathematical principles in the design, production, and operation of products, structures, and systems. Through problems that engage and challenge, students explore a broad range of engineering topics, including: mechanisms, the strength of materials and structures, automation, and motion. This is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, electrical, and chemical engineering. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

SEMESTER TECHNOLOGY AND ENGINEERING COURSES

BIOENGINEERING CONCEPTS AND TECHNOLOGICAL APPLICATIONS (AT0746)

Credit: .5
Grades: 10, 11, 12

Prerequisite: None

This course will examine the fundamentals and technological applications in the emerging field of bioengineering. This includes biomedical engineering, environmental and agricultural engineering, bioethics, and the impact of these technologies on living beings and society. Students will use problem solving, hands-on learning, and the engineering design process to address real world issues. This course also provides the opportunity for students to investigate career options in biotechnology and bioengineering.

DIGITAL PHOTOGRAPHY (AT0763)

Credit: .5
Grades: 10, 11, 12

Prerequisite: None

This course is designed to develop technological, and visual, literacy in the field of photography. Students will learn photographic concepts and techniques utilizing a darkroom, cameras, backdrops, lighting, and software. Composition, manual camera settings, various forms of lighting, and photo manipulation are all components of this course. No prior photographic experience is needed.

*Student material may be used in school and other electronic publications.

DIGITAL VIDEO PRODUCTION 1 (AT0766)

Credit: .5
Grades 9, 10, 11, 12

Prerequisite: None

This course will cover the concepts, tools and skills essential to technological literacy in effective video communication practices. Various computer-based editing concepts will be incorporated in creating effective video messages. Students will become familiar with the use of video cameras, filming techniques, editing equipment, professional conduct, and studio production.

DIGITAL VIDEO PRODUCTION 2 (AT0751)

Credit: .5
Grades: 10, 11, 12

Prerequisite: B or better in Video Production 1 or teacher recommendation.

This is a hands-on application course. The course is designed to develop technical communication skills used in an effective video message process. Students will build on the skills learned in Video Communications while adding new advanced video techniques and concepts such as long-form news

productions, documentaries, features, and filmmaking practices. Students will work both in the CHS Multimedia Studio as well as throughout the community.

ENGINEERING CAD (AT0750)

Credit: .5 Grades: 9, 10, 11, 12

Prerequisite: None

Students will learn the basics of hand drawing, and apply those concepts when using the computer as the drawing tool. This course is intended to familiarize the user with the skills necessary to use CAD as an effective drafting and design tool for drafting, engineering, and design professionals. Students will learn to visualize in three dimensions, to develop and strengthen their technical imagination, to think precisely, to read and write using industry language, and produce models using 3D printers. In addition, students will be introduced to the engineering design process, industry standards, and collaborative project work, helping them connect CAD skills to real-world engineering applications.

GAME DESIGN AND DEVELOPMENT (AT0745)

Credit: .5 Grades: 9, 10, 11, 12

Prerequisite: None

This STEM course focuses on 3D modeling, animation, and programming. Students do not need any prior knowledge of these topics to enroll in this class. Students will develop, design, and animate 3D models during the first half of the course. During the second half of the course, students will create and program 2-dimensional platform games. Students will work with game kits and game behaviors to assemble and program their games. Engineering, physics, and math play a large role in game development and the application of these topics will be critical to success.

DIGITAL DESIGN 1 (AT0747)

Credit: .5 Grades: 9, 10, 11, 12

Prerequisite: None

This course is designed to familiarize students with the concepts of design principles, layout techniques, logo design, custom graphics, vector and pixel design, computer illustration and graphic printing technologies. Students will use problem solving, the design process, real world design assignments, and different software packages to create exciting graphic designs in screen and print forms.

RESIDENTIAL CONSTRUCTION TECHNOLOGY (AT0710)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None

This course examines the construction of homes through the building process. Through the building of scaled foundation, framing and roofing systems in the lab, students will examine how residences are designed to accommodate structural forces. Students make interdisciplinary connections between mathematical concepts and historical contexts throughout the course. Students wishing to pursue a career in engineering, architecture and/or construction should consider this course.

ROBOTICS ENGINEERING AND DESIGN (AT0720)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None

This is a hands-on engineering course involving the design, construction, and programming of VEX EDR robots. The Curriculum is built around the fundamental understanding of the systems that make up robots and the development of workplace competencies. The cornerstone of the class involves solving engineering design problems. The teacher will be placed in the role of a facilitator/mentor, the student in the role of project manager/problem-solver.

STRUCTURES AND DESIGN (AT0713)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

This course focuses on the various practices of construction. Through the construction of numerous inventive designs, students examine industry-practiced techniques such as technical drawing, materials processing, fastening, joinery, measuring, finishing, and assembly. Students will gain skills and knowledge in both craft woodworking and mass production concepts through hands-on projects. Individual research is required while students investigate woodworking techniques and project inspirations. Students will work in a collaborative lab space and will present and reflect during the duration of the course. Students interested in design, construction, engineering, or architecture should enroll in this class.

TECHNICAL THEATER I (AT0859)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None

Students will learn the aspects of technical theater: set design, construction, stage lighting, and sound in order to apply their understanding in an authentic, real world application. Working collaboratively, students will become part of a small theater company to create and construct a set for the Theater Arts

department's Fall play or Spring musical. The work created by students will be viewed by our student body as well as the community. Many lab projects will support student learning throughout this course.

TECHNICAL THEATER II (AT0861)	Credit: .5 Grades: 10, 11, 12
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Prerequisite: B- or better in Technical Theater I

The focus of this course is to take the director's vision and make it a reality. Having the skills, techniques, and conceptual understanding of Technical Theater I, students will develop set designs from initial sketches. Students will then build the set for the Spring musical, so it is functional and safe for the actors. Projects include accurate scale set models derived from assigned play readings.

WEB AND APP DESIGN (AT0752)	Credit: .5 Grades: 9, 10, 11, 12
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Prerequisite: None

This course is designed for students to develop, design, and manage web and mobile device content. Students will develop material, write code, program content, and utilize graphics and animation elements. Math, layout and design, and research and development principles are essential to success in this STEM course. Students do not need any prior knowledge about web or app design to take this course.

ENGLISH DEPARTMENT



The objectives of the English Department are to help students develop as readers, writers, speakers, and listeners who are complex thinkers and effective communicators. Beginning with World Literature I and II freshmen and sophomore year, and extending to junior and senior year where students can choose from a range of courses to suit their own interests and skills, our courses encourage students to think deeply and engage with the world of literature and non-fiction, while embracing their own individual perspectives. Our goal is that students leave CHS with communication skills that will allow them to be successful in any career or area of further study.

Typical course sequence in English

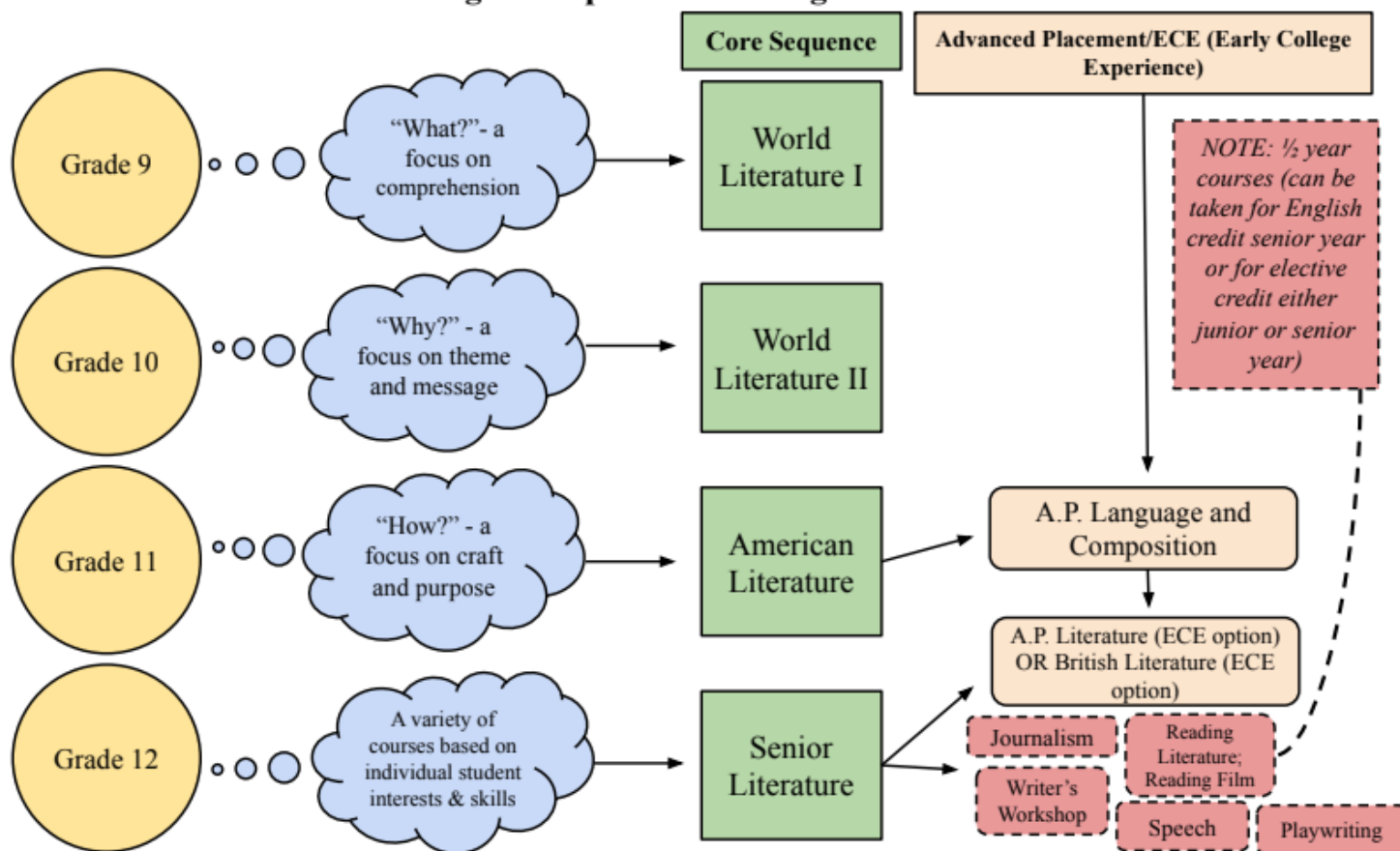
		Honors	Advanced Placement
Grade 9	World Literature I	World Literature I	
Grade 10	World Literature II	World Literature II	
Grade 11	American Literature	American Literature Elective Semester Courses Journalism Playwriting Reading Literature & Reading Film Speech Writer's Workshop: Creative Writing & Reading	AP Language & Composition AP Seminar Capstone
Grade 12	Senior Literature	British Literature Elective Semester Courses Journalism Playwriting Reading Literature & Reading Film Speech Writer's Workshop: Creative Writing & Reading	AP Literature & Composition AP Literature & Composition ECE AP Seminar Capstone British Literature ECE

AP - Advanced Placement, ECE - UConn Early College Experience

ENGLISH DEPARTMENT

PROGRESSION OF COURSES

CHS English Department - Progression of Courses



FULL YEAR ENGLISH COURSES

HONORS AMERICAN LITERATURE (EN0030)
AMERICAN LITERATURE (EN0032)

Credit: 1
Grades: 11

Prerequisite: Successful completion of World Literature II

The interrelationships of American culture, music, art and literature, as well as United States history, will be explored through readings, writings, field trips and films. Includes major works of American literature in a variety of genres.

AP SEMINAR CAPSTONE (EN0060)

Credit: 1
Grade: 11, 12

Prerequisite: B+ in Honors World Literature II and teacher recommendation. Must take concurrently with AP Lang or American Lit or have successfully completed AP Lang or American Lit.

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone in a group to communicate their ideas.

AP LANGUAGE & COMPOSITION (EN0031)

Credit: 1
Grades: 11

Prerequisite: A- or better in current Honors World Literature II course and teacher recommendation. An exception may be made for students who have a grade of B+ with a strong teacher recommendation, but those students must submit a portfolio of written work to the department leader/AP committee for approval. All requests for exceptions must be submitted in writing to the department leader before March 1st.

Advanced Placement Language and Composition requires a student's best effort and emphasizes independence of thought and critical thinking. Students are expected to contribute consistently to the small groups and seminars that form the basis of most classes. This course includes both long and short term critical reading and writing assignments as well as researched and creative pieces. Presented thematically with historic links, works include American "classics" as well as contemporary works representing a variety of genres. All students enrolled are required to meet with the course instructor in May or June at which time summer reading will be assigned. Students are strongly encouraged to take the Advanced Placement Language and Composition exam in May.

AP LITERATURE & COMPOSITION (EN0050)
AP LITERATURE & COMPOSITION ECE (EN0059)
(*UConn Early College Experience Course*)

Credit: 1
Grades: 12

Prerequisite: A- or better in current Honors American Literature or AP Language and Composition course and teacher recommendation. An exception may be made for students who have a B+ average with a strong teacher recommendation, but those students must submit a portfolio of written work to the department leader/AP committee for approval. All requests for exceptions must be submitted in writing to the department leader by March 1st.

Advanced Placement Literature and Composition is a college-level course for students capable of superior work in writing and literary analysis. Work in this course will focus on close reading and interpretation (both oral and written) of works in all major literary forms. All students who enroll are required to meet with the course instructor in May or June at which time summer reading will be assigned. Students are strongly encouraged to take the Advanced Placement Literature and Composition exam in May.

HONORS BRITISH LITERATURE (EN0052)
BRITISH LITERATURE ECE (EN0054)
(*UConn Early College Experience Course*)

Credit: 1
Grades: 12

Prerequisite: Teacher recommendation

This course is a survey of British literature. Students will study literary works characteristic of the major periods in the development of British writing from the Anglo-Saxon period to the present day, exploring the relationship between literature and history, as well as the past and present. Academic writing and a variety of collaborative projects will be major components of this class.

SENIOR LITERATURE (EN0051)

Credit: 1
Grade: 12

Prerequisite: Teacher recommendation

This course serves as a capstone of the Cheshire High School literary experience and provides a foundation for college and career bound students. Emphasis will be given to the creation of a personal essay suitable for college application or resume and a variety of literary genre. Students will demonstrate mastery of literary skills through a range of written work, discussion and presentations.

HONORS WORLD LITERATURE I (EN0011) WORLD LITERATURE I (EN0012)	Credit: 1 Grades: 9
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Prerequisite: None (Required for all Freshmen)

This course, for all grade nine students, presents a selection of world literature from the ancient to the contemporary as a basis for integrating all language arts skill areas including reading, writing, researching, listening, viewing, speaking and working with technology. The course is presented using a thematic approach, integrating other disciplines and approaches when possible. Varied and frequent writing is required.

HONORS WORLD LITERATURE II (EN0021) WORLD LITERATURE II (EN0022)	Credit: 1 Grades: 10
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Prerequisite: Successful completion of World Literature I (Required for all Sophomores)

This course, for all grade ten students, presents an extensive selection of world literature as a basis for integrating all language arts skill areas including reading, writing, research, listening, viewing, speaking and working with technology. The course is presented using a thematic approach, integrating other disciplines when possible. Varied and frequent writing is required.

SEMESTER ENGLISH COURSES

(Students will be eligible to take these courses as an elective in combination with any Junior or Senior year-long course without the prerequisite)

HONORS JOURNALISM (EN0058)

Credit: .5
Grade: 11, 12

Prerequisite: Teacher recommendation. Students must achieve a final grade of “B” or better in American Literature in order to be eligible to take a combination of these courses for Senior English credit.

Students will learn to write news articles, columns, and reviews. In addition, they will study the roles that the news media (especially newspapers) have played and continue to play in the formation of the United States from colonial days to the present. Students will also study interviewing, editorial cartooning, and news writing usage and grammar, and they will be required to submit at least one of their articles for publication in the CHS school newspaper.

HONORS READING LITERATURE: READING FILM (EN0040)

Credit: .5
Grade: 11, 12

Prerequisite: Teacher recommendation. Students must achieve a final grade of “B” or better in American Literature in order to be eligible to take a combination of these courses for Senior English credit.

This course will explore the interrelatedness of literature and film. Students will be expected to: read literature and critically analyze film as an extension of literature, utilize techniques of film, explore historical, political and social climates of various time periods in both literature and film.

HONORS SPEECH (EN0056)

Credit: .5
Grade: 11, 12

Prerequisite: Teacher recommendation. Students must achieve a final grade of “B” or better in American Literature in order to be eligible to take a combination of these courses for Senior English credit.

In this introduction to public speaking, students experience a variety of speaking and listening opportunities. Emphasis is on extemporaneous delivery as well as memorized, and manuscript speeches. Students focus on critical thinking and logical arrangement of ideas. In addition, students study language devices, paralanguage, kinesics, communication theory, and First Amendment law. While this is a course in personal speech development, it also includes writing, reading, and library research.

HONORS WRITER'S WORKSHOP: CREATIVE WRITING & READING (EN0042)**Credit: .5**
Grade: 11, 12

Prerequisite: Teacher recommendation. Students must achieve a final grade of "B" or better in American Literature in order to be eligible to take a combination of these courses for Senior English credit.

Students will read a wide variety of genres, including fiction, poetry and drama. They will write creative pieces on a weekly basis, and the processes of self-editing, peer coaching, drafting and revising will become important components of their work. Students will learn about the publishing process and submit their works to literary magazines and writing competitions. Students must be willing to share their work with the class.

HONORS PLAYWRITING (EN0063)**Credit: .5**
Grade: 11, 12

Prerequisite: Successful completion of or taken concurrently with American Literature, Honors American Literature, AP Language and Composition

What is a play? How does one come into being? What things do playwrights have to know? If you love language and conversation, if you are creative and enjoy writing, this might be just the class for you. Play writing is basically that: learning how to write a script. The course, in addition, will work with improvisation techniques, and some acting will be required. Learn about creating powerful, significant dialogue, and creating believable scenes. Learn from the master playwrights of our time and long ago. You will write many short sketches and a ten-minute, one act play by the end of the course.

FINE ARTS

PERFORMING ARTS

MUSIC DEPARTMENT



In partnership with families and communities, it is the mission of the Cheshire Public Schools Music Department to instill in each student the inspiration for a lifelong participation in music.

Choral, Music, and Jazz Options

	Grade 9	Grade 10	Grade 11	Grade 12
AP Music Theory & Ear Training			✓	✓
Beginning Guitar	✓	✓	✓	✓
CHS Orchestras	✓	✓	✓	✓
CHS Bands	✓	✓	✓	✓
CHS Choirs	✓	✓	✓	✓
Color Guard	✓	✓	✓	✓
History of American Pop Music	✓	✓	✓	✓
Intro to Music Technology	✓	✓	✓	✓
Jazz Ensemble	✓	✓	✓	✓
Marching Band	✓	✓	✓	✓
Music Theory & Ear Training	✓	✓	✓	✓
Musical Theater	✓	✓	✓	✓
Honors Mixed Choir		✓	✓	✓
Honors Treble Choir		✓	✓	✓

Honors Credit in Music Ensemble Classes

Students enrolled in Performing Ensembles will earn Honors credit if they successfully prepare and perform a grade 4-6 (medium advanced-advanced level) solo piece. This performance can be in the form of a Connecticut Music Educators Association Region or All-State Audition, a New England Music Festival Association Solo Adjudication, or a Juried Performance graded by CHS Music Department faculty members. A rubric/evaluation sheet will be used to assist in determining the degree to which the performance was successful. Students must prepare and perform a different solo piece for each class to be completed by the close of the second and/or fourth marking periods. Students may receive up to a maximum of 2 Honors credits in music ensemble classes per year.

CHORAL MUSIC

CHS CHOIRS (PA0834)	Credit: 1 Grade: 9, 10, 11, 12
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The CHS Choirs perform a minimum of two evening concerts per year and they may participate in various festivals/concerts during the school year. Occasional sectional rehearsals may take place after school as needed. Attendance at all after-school sectional rehearsals, dress rehearsals, and concerts is required. Additional written assignments and performance critiques are also required. In order for a student to perform in a concert performance, they must demonstrate the ability to match pitch, balance, and blend, follow the cues of the conductor, and use appropriate concert etiquette.

The CHS Choirs (which consists of two sections - Concert Choir and Chorus) are both mixed-voice ensembles open to all students in grades 9-12. Students are not required to have any previous experience in choir at any level. Students will work on choral literature from a medium through and advanced level (grades 3-6) while studying music from a variety of genres, cultures, and historical periods.

HONORS MIXED CHOIR (PA0835)	Credit: 1 Grade: 10, 11, 12
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Prerequisite: Teacher recommendation is required

This smaller mixed choir is for the serious choral student who is interested in performing highly challenging vocal music and is committed to achieving a high level of artistry, musical understanding, and self-expression in all rehearsal and performance activities. Many performance opportunities are available, including winter and spring evening concerts at CHS, local and community events, and music festivals and competitions.

HONORS TREBLE CHOIR (PA0847)	Credit: 1 Grade: 10, 11, 12
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Prerequisite: Teacher recommendation is required

This smaller treble choir ensemble is for the serious choral student who is interested in performing highly challenging vocal music and is committed to achieving a high level of artistry, musical understanding, and self-expression in all rehearsal and performance activities. Many performance opportunities are available, including winter and spring evening concerts at CHS, local and community events, and music festivals and competitions.

GENERAL MUSIC COURSES

AP MUSIC THEORY AND EAR TRAINING (Theory II) (PA0846)
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Credit: 1 Grade: 11, 12
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Prerequisite: B- or better in Music Theory and Ear Training or a score of 80% or better on the placement exam.

This course is designed to prepare students for the advanced placement music theory exam. Students will learn advanced elements of music including: intervals, chords, rhythms, key and scale relationships, melody, and harmony. Special emphasis will be placed on ear training and sight singing.

HISTORY OF AMERICAN POPULAR MUSIC (PA0845)

Credit: .5 Grade: 9, 10, 11, 12
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Prerequisite: None

This course will provide students with an opportunity to study the development of American Popular music from the 1950's to the present. Students will examine the influence of popular music on our culture and students will also observe what affects American culture contributes to current musical trends.

INTRODUCTION TO MUSIC TECHNOLOGY (PA0841)
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Credit: .5 Grade: 9, 10, 11, 12
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Prerequisite: None

This course is designed to introduce students to the elements of music through the use of current technology. Students will learn basic elements of music: note reading, intervals, tonality, rhythm, melody, and harmony. Students will be introduced to computer sequencing, composition, digital recording, and editing, and other electronic media.

MUSIC THEORY AND EAR TRAINING (Theory I) (PA0882)
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Credit: 1 Grade: 10, 11, 12
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Prerequisite: None

This course is designed to introduce students to the basic elements of music: note reading, intervals, key and scale relationships, chords, rhythm, and melody. Ear-training exercises will be incorporated throughout the course to develop listening skills. The course will include assignments in composition, periodic tests and quizzes.

MUSICAL THEATER (PA0857)**Credit: .5**
Grade: 9, 10, 11, 12**Prerequisite:** None

This course is for the student that is interested in Musical Theater - both on stage and “behind the scenes”. Students will have the opportunity to rehearse, perform, direct, and choreograph/stage various scenes and shows from the Broadway genre. All students are expected to both perform and direct/produce. Performances will be both in-class and public productions. Performances are required for all students.

INSTRUMENTAL MUSIC

BEGINNING GUITAR (PA0801)

Credit: .5
Grade: 9, 10, 11, 12

Prerequisite: None

This class is designed for students who are beginners interested in learning how to play the guitar. The course covers open chords, strumming patterns, tuning, barre chords, and reading basic tablature. Students will have the opportunity to discuss the cultural and historical relevance of the music. The course will also include discussion of the artists' role in the history of music. Students will need their own acoustic or acoustic/electric guitars.

CHS STRING ORCHESTRA (PA0955)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: Previous orchestra experience or teacher recommendation. Results from assessments given throughout the previous school year will be used to determine a student's placement in an appropriate ensemble.

The CHS Orchestras are structured to give each student a meaningful experience in music. Care is taken to expose students to a wealth of literature during their participation in the program while always striving for excellence in performance. It is the goal of the faculty and staff to give students the skills and knowledge to appreciate and enjoy music as a lifetime avocation and to instill in them a desire to strive for excellence in all that they pursue. The music that is performed is meant to be challenging and musically fulfilling for every member. The literature performed allows every student to have a successful and enjoyable experience. The musical aspects of interpretation, phrasing, ensemble balance and blend are emphasized. Attendance at all after-school, evening and dress rehearsals is required. Additional written and performance critiques are required. Performance requirements for the String Orchestra, Symphonic Orchestra, and Chamber Orchestra include the following: a minimum of two evening concerts per year; local, school, and community events; possible music festivals and competitions that may require an overnight trip. In order for a student to perform in a concert performance they must demonstrate the ability to match pitch balance, blend, play with appropriate style, and follow the cues of the conductor, and demonstrate appropriate concert etiquette.

Additional Performing Groups may be offered throughout the year based on student enrollment and instrumentation:

Symphonic Orchestra: This ensemble serves to augment the CHS String Orchestra. Instrumentation will be limited to orchestral strings, winds, and percussion. Selected afternoon and evening rehearsals are required.

Chamber Orchestra: Members will perform a wide range of chamber orchestra music at Medium Advanced to Advanced Level repertoire. Development of technique and style is emphasized in a full group setting. Selected afternoon and evening rehearsals are required. Chamber Orchestra will require an audition prior to selecting this course.

Prerequisite: In order for a student to be placed into Symphonic Band or Wind Ensemble, they must have previous band experience or a teacher recommendation. Results from assessments given throughout the previous school year will be used to determine a student's placement in an appropriate ensemble.

The CHS Bands are structured to give each student a meaningful experience in music. Care is taken to expose students to a wealth of literature during their participation in the program while always striving for excellence in performance. It is the goal of the faculty and staff to give students the skills and knowledge to appreciate and enjoy music as a lifetime avocation and to instill in them a desire to strive for excellence in all that they pursue. The music that is performed is meant to be challenging and musically fulfilling for every member. The literature performed allows every student to have a successful and enjoyable experience. The musical aspects of interpretation, phrasing, ensemble balance and blend are emphasized. Attendance at all after-school, evening and dress rehearsals is required. Additional written and performance critiques are required. Performance requirements for **ALL band members** include the following: Cheshire Memorial Day Parade as a Parade Band; CHS Graduation on the last day of school; a minimum of two evening concerts per year; local, school, and community events; music festivals and competitions that may require an overnight trip. In order for a student to perform in a concert performance they must demonstrate the ability to match pitch balance, blend, play with appropriate style, and follow the cues of the conductor, and demonstrate appropriate concert etiquette.

CHS Bands:

- ❖ **Symphonic Winds** is a winds only section that performs Medium Level traditional concert band literature. Attendance at all after-school, evening and dress rehearsals is required. Performance requirements for the Symphonic Band include the following: Cheshire Memorial Day Parade as a Parade Band; CHS Graduation on the last day of school; and a minimum of two evening concerts per year. Prerequisite: Students must have previously played in 8th grade or have teacher recommendation.
- ❖ **Honors Wind Ensemble** performs Medium Advanced – Advanced Level traditional concert band and wind ensemble literature. Attendance at all after-school, evening and dress rehearsals is required. Performance requirements include those listed above *in addition to* CHS Home Football Games and Pep Rallies as the Pep Band and other local, school, and community events. Prerequisite: Audition required.
- ❖ **Percussion Ensemble** is an extension of the Symphonic Winds and Wind Ensemble groups specifically for percussionists which performs various levels of repertoire and traditional concert band literature primarily from the Twentieth Century. This group of musicians rehearses separately from the winds, due to the specific technique and rehearsal nature of the instruments, but will be combined with the symphonic/wind ensembles for the concerts. Students in this section will learn specific percussion repertoire to enhance their technique and also learn the concert percussion parts. Performance requirements include those listed above *in addition to* CHS Home Football Games and Pep Rallies as the Pep Band and other local, school, and community events. Prerequisite: Students must have previously played a PERCUSSION instrument in 8th grade or have teacher recommendation.

COLOR GUARD (PA0890)**Credit: .5**
Grade: 9, 10, 11, 12**Prerequisite:** None

This group is an important part of the CHS Marching Ram Band. Dance, rifle and flag techniques are taught, developed and performed with the band to enhance the visual aspect of the competitive field show. Those wishing to join the Color Guard section of the Marching Band must sign up for Color Guard. Color Guard is required to perform at CHS Football games, Saturday competitions, and Parade Band performances.

Required Pre-Season (2 Weeks Prior to start of school)

Monday-Friday

During School Year (Through early November)Tuesdays, Thursdays, Saturdays
Some Fridays**MARCHING BAND (PA0891)**
(S1)**Credit: .5**
Grade: 9, 10, 11, 12**Prerequisite:** Enrolled concurrently in CHS BANDS

Participation in the highly acclaimed Cheshire High School Marching Ram Band is a rewarding experience for students and families. The Marching Ram Band provides a wonderful musical and marching experience for all wind players and percussionists and is a critical component of one's overall band experience in high school. The Marching Ram Band performs at selected marching band field show competitions and at all home football games. In addition to the regular class period, the ensemble rehearses two evenings a week and Saturday. A ten-day pre-season (band camp) in late August is required at which time the season's music and visual design are introduced. In addition, one sectional rehearsal a week after school during the season is required. Students in the Marching Ram Band demonstrate and put into action many of the Cheshire High School Performance Standards. Additionally, students in the Marching Ram Band develop a great sense of pride, positive attitude, self-confidence, and the desire to become the best musicians they can be. This course may involve exciting opportunities for travel.

** All Concert Band, Symphonic Band, and Wind Ensemble freshman members and students participating in the Band Program their first year, will be automatically registered and enrolled in the Marching Ram Band (.5 credit) unless a significant conflict (ie. fall sport), stated in writing to the Band Director, does not allow for the student to fully participate in the afternoon/evening rehearsals and performances.

Required Pre-Season (2 Weeks Prior to start of school)

Monday-Friday

During School Year (Through early November)

Tuesdays, Thursdays, Saturdays, some Fridays

JAZZ STUDIES

JAZZ ENSEMBLE (PA0864)
(S2)

Credit: .5
Grade: 9, 10, 11, 12

Prerequisite: Students must be enrolled concurrently in Chorus, Orchestra, or Band. Audition required

Jazz Ensemble is a half year course and will run during the day. Students will learn about the different styles of Jazz and how to perform them as well as studying improvisation techniques. Performance expectations for Jazz Ensemble include the following: one or more evening concerts per year, CHS Jazz Festival and workshops; local, school, and community events; music festivals and competitions that may require an overnight trip.

THEATER ARTS DEPARTMENT



The mission of the Theater Department is to help students develop confidence as performers and communicators, encourage collaborative skills, and foster an appreciation of theatrical literature and performance. Beginning with Fundamentals of Theater and extending to Advanced Theater and Aries Ensemble, students can develop their performance skills. Students also have the opportunity to learn about theater history, musical theater, playwriting, and directing in other available courses. In addition to theater specific content, our goal is that students leave CHS with communication and collaboration skills that will allow them to be successful in any career or area of further study.

Theater Arts Course Options

	Grade 9	Grade 10	Grade 11	Grade 12
Acting and Directing		✓	✓	✓
Advanced Theater		✓	✓	✓
Aries Ensemble Theater		✓	✓	✓
Fundamentals of Theater	✓	✓	✓	✓
Introduction to Theater History		✓	✓	✓
Musical Theater	✓	✓	✓	✓
Playwriting/Honors Playwriting		✓	✓	✓

ACTING AND DIRECTING (PA0877)**Credit: .5**
Grade: 10, 11, 12**Prerequisite:** B- or better in Fundamentals of Theater

This course will focus on the study of the job of the director and how they create theater and work with actors. Students will interpret and reinterpret scripts, devise an audition process, create purposeful blocking and meaningful stage pictures and learn how to guide and advise actors. Students will be required to direct and act in short projects. The course will culminate with student direction of a scene. Students must be highly motivated, self-directed and be willing and able to work beyond regular class hours.

ADVANCED THEATER (PA0853)
HONORS ADVANCED THEATER (PA0954)**Credit: .5**
Grade: 10, 11, 12**Prerequisite:** B- or better in Fundamentals of Theater

This course concentrates on building students' acting techniques through work in monologue, improvisation, and short scene work. In the course, the students will learn the responsibilities of actors on stage, and they will further develop their skills through individual as well as group acting ensemble experiences.

The option is available for students to earn honors credit by demonstrating increased independence and a deeper understanding of course concepts. Opportunities for additional coursework to meet honors expectations will be provided to all students.

HONORS ARIES ENSEMBLE THEATER (PA0856)**Credit: .5**
Grade: 10, 11, 12**Prerequisite:** Fundamentals of Theater and Advanced Theater, audition or permission of instructor required

Students will work as an ensemble to produce at least one production which will be performed in an evening presentation. Students must be highly motivated and self-directed; they must also be able to work well in groups. Students will apply the principles of acting and production in this course. All enrollees must have the time available during the semester to work in rehearsal and production outside of regular class hours.

*Students may enroll in this course more than once.

FUNDAMENTALS OF THEATER (PA0850)
HONORS FUNDAMENTALS OF THEATER (PA0944)**Credit: .5**
Grade: 9, 10, 11, 12**Prerequisite:** None

This course develops fundamental acting skills. Students will learn stage movement, performance techniques, theater games, improvisation, and analytical skills. This class is designed to help students be more comfortable with themselves in-group and individual performances. Students will prepare formal

monologues and scenes for performance. The option is available for students to earn honors credit by demonstrating increased independence and a deeper understanding of course concepts. Opportunities for additional coursework to meet honors expectations will be provided to all students.

INTRODUCTION TO THEATER HISTORY (PA0827)

Credit: .5 Grade: 10, 11, 12

Prerequisite: None

This course will give students the opportunity to trace the development of theater through artists and periods in theater history. For each period studied, a historically significant play of the time period will be read along with it. Students will discuss the style changes and how they influenced later theatrical developments. Students will also view these styles when videos are available. This course is recommended for students interested in theater, playwriting and literature as well as those planning to continue their theater studies in college.

MUSICAL THEATER (PA0857)

Credit: .5 Grade: 9, 10, 11, 12
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Prerequisite: None

This course is for the student that is interested in Musical Theater - both on stage and “behind the scenes.” Students will have the opportunity to rehearse, perform, direct, and choreograph/stage various scenes and shows from the Broadway genre. All students are expected to both perform and direct/produce. Performances will be both in-class and public productions. Performances are required for all students.

HONORS PLAYWRITING (PA0826) PLAYWRITING (PA0878)

Credit: .5 Grade: 10, 11, 12

Prerequisite: None

What is a play? How does one come into being? What things do playwrights have to know? If you love language and conversation, if you are creative and enjoy writing, this might be just the class for you. Play writing is basically that: learning how to write a script. The course, in addition, will work with improvisation techniques, and some acting will be required. Learn about creating powerful, significant dialogue, and creating believable scenes. Learn from the master playwrights of our time and long ago. You will write many short sketches and a ten-minute, one act play by the end of the course.

VISUAL ARTS

ART DEPARTMENT



The mission of the Cheshire High School Visual Arts Department is to provide high quality instruction to all students within a supportive and engaging environment. Our department provides a wide variety of 2-dimensional and 3-dimensional course offerings, as well as the use of technology to support students' creativity. All course curriculum aligns with the National Core Standards for Visual Arts and is essential to supporting students, critical thinking, problem solving, and personal expression within the classroom and beyond.

Course Options in Arts

	Grade 9	Grade 10	Grade 11	Grade 12
Advanced Ceramics/Honors Advanced Ceramics	✓	✓	✓	✓
Advanced Drawing and Painting/Honors Advanced Drawing and Painting			✓	✓
AP Drawing (Full Year)			✓	✓
Art in Photoshop		✓	✓	✓
Ceramics	✓	✓	✓	✓
Digital Art	✓	✓	✓	✓
Drawing I	✓	✓	✓	✓
Drawing II/Honors Drawing II	✓	✓	✓	✓
Intro to Art	✓	✓	✓	✓
Mixed Media Art	✓	✓	✓	✓
Painting I	✓	✓	✓	✓
Painting II/Honors Painting II		✓	✓	✓
Printmaking	✓	✓	✓	✓
Sculpture	✓	✓	✓	✓

****AP - Advanced Placement****

HONORS ADVANCED CERAMICS (VA0822) ADVANCED CERAMICS (VA0821)	Credit: .5 Grades: 9, 10, 11, 12
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Prerequisite for Advanced Ceramics (VA0821) or Honors Advanced Ceramics (VA0822): B- or better in Ceramics

In this course, students will construct clay pieces using advanced hand building techniques, wheel throwing using a potter's wheel and glazing methods. Advanced Ceramics is designed to strengthen a student's prior knowledge of working with sculptural and functional clay forms in an environment that promotes self-directed learning, creative problem solving, and literacy skills. Art history will be presented as it relates to the concepts and techniques taught.

HONORS ADVANCED DRAWING AND PAINTING (VA0816) ADVANCED DRAWING AND PAINTING (VA0817)	Credit: .5 Grades: 11, 12
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Prerequisite for Advanced Drawing and Painting (VA0817) or Honors Advanced Drawing and Painting (VA0816): Completed three of the following courses with a B- or better in: Drawing I, Drawing II, Honors Drawing II, Painting I, Painting II, Honors Painting II, or Printmaking.

This course is designed for those students who have successfully completed three of the following courses: Drawing I, Drawing II, Painting I, Painting II, or Printmaking. This course is designed to improve observational drawing skills, employ advanced media techniques, and strengthen the student's creative visual expression. Acrylic paint is the medium taught in the painting portion of the course. Within this learning environment, self-directed learning, creative problem solving, and literacy skills are promoted. Art history will be presented as it relates to concepts and techniques taught.

AP DRAWING (VA0840)	Credit: 1 Grade 11, 12
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Prerequisite: A portfolio submission and Art Department teacher recommendation

In this full year art course, students will demonstrate their ability to maintain a high level of artistic skill and inquiry as they pursue an in-depth investigation through art making of a particular subject matter or concept. Work must show evidence of practice, experimentation, and revision. Students are expected to have a knowledge of a wide range of art media and be able to articulate their thoughts through verbal and written expression. As such the Art Department recommends the following courses prior to AP Art: Drawing 1, Drawing 2, Painting 1, Advanced Drawing and Painting. Students gain knowledge of art history. Critical analysis, problem solving, and aesthetics are important components of this course. Students are encouraged to submit their portfolio of work from this course to the AP board for credit.

ART IN PHOTOSHOP (VA0764)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** B- or better in Digital Photography (Each student must have a digital camera)

This course, taught in the Art Department, is designed to further a student's ability to capture and edit photographs. Using Adobe Photoshop, students will manipulate and enhance their photos into works of art. Emphasis will be placed on increasing the student's observation skills while developing a personal style. Within this learning environment, self-directed learning, creative problem solving, and literacy skills are promoted. Art history will be presented as it relates to concepts and techniques.

CERAMICS (VA0820)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None

In this course, functional and sculptural artwork will be created using the hand-building techniques of pinch, coil and slab construction. Glazing techniques will also be taught. Art history will be presented as it relates to the concepts and techniques taught. Ceramics is designed to strengthen a student's hand-building techniques in an environment that promotes self-directed learning, creative problem solving, and literacy skills.

DIGITAL ART (VA0842)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None

In this course, students will learn to edit and adjust photographs using an iPad, Apple Pencil, and ProCreate app to create original photo manipulations and digital illustrations. Students will utilize art theory and concepts such as the elements of art, composition, and color theory to develop their artwork.

DRAWING I (VA0810)**Credit: .5**
Grades: 9, 10, 11, 12**Prerequisite:** None

In this course, students will work from real life subject matter and reference materials using graphite, ballpoint pen and colored pencil. Emphasis is placed on helping the student create the illusion of a three-dimensional form on a two-dimensional surface while developing a sense of composition. Art history will be presented as it relates to the materials and techniques taught. This course is designed to strengthen a student's drawing ability in an environment that promotes self-directed learning, creative problem solving, and literacy skills.

HONORS DRAWING II (VA0809) DRAWING II (VA0811)	Credit: .5 Grades: 9, 10, 11, 12
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Prerequisite for Drawing II (VA0811) and Honors Drawing II (VA08099): B- or better in Drawing I

In this course, a variety of materials will be used, such as charcoal, conte crayon, and pastels. Drawing II is designed to increase students' observational skills and develop a student's individual drawing style. Students will draw from life as well as from reference materials. Students will choose subject matter such as the human figure, portrait drawing and still life. Art history will be presented as it relates to the materials and techniques taught. This course is designed to strengthen a student's drawing ability in an environment that promotes self-directed learning, creative problem solving, and literacy skills.

INTRO TO ART (VA0839)	Credit: .5 Grades: 9, 10, 11, 12
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Prerequisite: None

Students will create drawings, paintings, printmaking, and three dimensional works of art within this course. This course offers students an opportunity to sample most media offered by the Art Department. This course encourages self-directed learning, creative problem solving, and literacy skills. Art history will be presented as it relates to concepts and techniques taught.

MIXED MEDIA ART (VA0841)	Credit: .5 Grades 9, 10, 11, 12
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Prerequisite: B- or better in Intro to Art, or Drawing I

This course will explore combining traditional art making materials (pencil, color pencil, paint, and collage) as well as digital media (computer programs, digital cameras, and cellphones) to create works of art. Artwork may begin on the computer and become enhanced with traditional materials and techniques or the artwork can start with conventional materials and through technology become enhanced with the computer. Art History will be presented as it relates to the materials and techniques taught.

PAINTING I (VA0812)	Credit: .5 Grades: 9, 10, 11, 12
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Prerequisite: B- or better in Drawing I

This course is designed to teach students skills and techniques necessary to paint with a variety of media such as ink, acrylic, gouache, tempera, and watercolor. This course is taught in a studio environment that promotes self-directed learning, complex thinking, and literacy skills. Creating the illusion of a three-dimensional form on a two-dimensional surface using painting properties and color theory will be emphasized.

HONORS PAINTING II (VA0808) PAINTING II (VA0813)	Credit: .5 Credit: .5 Grades: 10, 11, 12
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Prerequisite for Painting II (VA0813) and Honors Painting II (VA808): B- or bettering in Painting I, Drawing I

Students will further build upon the painting techniques developed in Painting 1 into more technical application of the media and compositions. This course promotes a choice-based learning environment for students to choose medium and subject matter to convey a message in a painting. The course encourages students to be self-directed learners, utilize creative problem solving skills, and literacy skills.

PRINTMAKING (VA0838)	Credit: .5 Grades: 9, 10, 11, 12
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Prerequisite: B- or better in Drawing I or Intro to Art

This course will provide students with the opportunity to create unique printing plates through carving and found materials. Students will use these plates and printing ink to create exciting and unique works of art. Within this learning environment, self-directed learning, creative problem solving, and literacy skills are promoted. Art history will be presented as it relates to concepts and techniques taught.

SCULPTURE (VA0830)	Credit: .5 Grades: 9, 10, 11, 12
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Prerequisite: None

Students will create sculptures using materials such as papier-mâché, wire, textiles, plaster, soapstone, and found objects. Within this learning environment, self-directed learning, creative problem solving, and literacy skills are promoted. Art history will be presented as it relates to concepts and techniques taught.

WELLNESS EDUCATION DEPARTMENT



The Cheshire High School Wellness Education Department provides students with diverse opportunities to develop physically, mentally, emotionally, and socially through an integrated approach that combines physical activity, health education, and team-building experiences. These learning opportunities, aligned with Common Core expectations and state standards, support students in developing the knowledge, skills, and attitudes necessary to lead healthy, active, and balanced lives.

The CHS Wellness Education curriculum emphasizes lifelong wellness by focusing on the interconnectedness of mind and body. Through engaging lessons and experiences, students cultivate self-awareness, physical fitness, emotional resilience, and positive social connections. The curriculum is carefully designed to help students understand and apply concepts related to personal health, mental well-being, nutrition, relationships, and decision-making. By integrating physical education and health into a unified Wellness model, Cheshire High School empowers students to take ownership of their overall well-being and develop habits that support a healthy, fulfilling lifestyle.

Typical Course Sequence in Wellness Education

	Unleveled		Honors
Grade 9	Wellness 9	Unified PE (Grades 9-12)	
Grade 10	Wellness 10		
Grade 11	Wellness 11		
Grade 12	Wellness 12		Peer Health Educators

Wellness 9

WELLNESS 9 – Semester 1 (PE0905)

Credit: .5

Wellness 9 Cheshire High School offers an integrative approach to student well-being by combining physical education and health components with a strong emphasis on Social Emotional Learning (SEL). Students engage in team-building and trust activities that prepare them for the school's ropes courses, fostering resilience and personal growth. Lifelong team sports and individual sports are also incorporated, allowing students to develop skills that promote physical activity beyond high school. The health curriculum, guided by the Wellness Hexagon framework, covers essential topics such as personal

development, positive communication, nutrition, substance use education, and cancer awareness. Through these activities and discussions, students will enhance their understanding of health-related choices and cultivate a positive mindset, laying the groundwork for lifelong wellness and success.

Wellness 10

WELLNESS 10 – Semester 1 (PE0915)	Credit: .5
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Wellness 10 Cheshire High School builds on the foundation established in Wellness 9, emphasizing a deeper understanding of wellness principles and promoting lifelong physical fitness habits. This course integrates Physical Education, Health, and Social Emotional Learning (SEL), beginning with a review of nutrition concepts and proper human movement. Students participate in various physical activities that enhance teamwork and individual skills, conducting pre- and post-fitness assessments, which include the Connecticut State Fitness Testing mandated by the Connecticut State Department of Education (CSDE). The curriculum also addresses mental health awareness through Teen Mental Health Training, alongside stress management and substance use risks, while exploring healthy relationships and effective communication strategies. Through this comprehensive approach, students enhance their understanding of physical and mental health, fostering a commitment to wellness and personal growth.

Wellness 11

WELLNESS 11 – Semester 2 (PE0925)	Credit: .5
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Wellness 11 at Cheshire High School is designed for students who have successfully completed Wellness 10, focusing on advanced concepts in health, fitness, and personal well-being while continuing to integrate Physical Education (PE) and Social Emotional Learning (SEL) principles. The course begins with a review of foundational concepts, emphasizing personal responsibility in health and fitness, and deepens students' knowledge of nutrition and exercise science through advanced topics like macronutrients and chronic disease prevention. The PE component emphasizes advanced fitness techniques and personalized exercise programming, incorporating volleyball, and other lifelong activities that promote teamwork and individual skill development, while also allowing students to lead fitness sessions for their peers. Additionally, students explore complex health issues, including mental health disorders and substance use prevention, while participating in a community health project that encourages advocacy for health and wellness. This comprehensive approach empowers students to refine their understanding of physical and mental health, equipping them with essential life skills for personal and community well-being.

Wellness 12

WELLNESS 12 – Semester 2 (PE0935)

Credit: .5

Wellness 12 Cheshire High School is designed for students who have successfully completed Wellness 11, providing an opportunity to synthesize and apply their knowledge of wellness principles in a comprehensive manner. This course emphasizes personal health, fitness, and the development of life skills essential for transitioning to adulthood, with a strong integration of Physical Education (PE) and Social Emotional Learning (SEL) principles. Students will reflect on foundational concepts from Wellness 11, exploring advanced nutrition topics, and engaging in diverse physical activities such as golf, tennis, volleyball, pickleball, and other lifetime team and sport activities, along with mindfulness practices like yoga and tai chi. The curriculum addresses current health issues, mental health, and substance use prevention while teaching effective communication and conflict resolution skills for navigating adult relationships. Additionally, students will participate in a community service project that promotes health and wellness within their community, ultimately fostering a commitment to lifelong wellness and responsible citizenship.

All students are required to participate in the Wellness Education Curriculum.

The State of Connecticut has mandated that students be offered AIDS education at certain grade levels. The Health Curriculum has included AIDS education in Freshman Health, Sophomore Biology, and Junior Health Seminar. This instruction is designed to assist students in making healthy decisions as they grow up in a world where AIDS is a reality.

If there is any reason why you would prefer that your child not participate in the AIDS portion of the Health Curriculum and/or the portion related to family life education (contraception), you must inform the Principal of Cheshire High School by phone, as well as in writing by November 1 of the current year. Arrangements will be made for an alternative health education related assignment during the time when HIV/AIDS and/or family life education are being taught.

UNIFIED PHYSICAL EDUCATION (PE0953/PE0954)**Credit: .5**
Grades: 9, 10, 11, 12

Prerequisite: A one page reflection on what Unified Physical Education & Inclusion means to you, sent to mdevine1@cheshire.k12.ct.us prior to registering.

Unified PE is a course that promotes inclusion, leadership, and teamwork by bringing together students of all abilities in a shared physical education experience. Students enrolled as peer partners serve as mentors and teacher assistants, supporting their classmates in skill development, fitness activities, and team games. This course emphasizes empathy, communication, and collaboration while fostering a positive, inclusive environment where all students can thrive physically and socially. It is ideal for students interested in education, leadership, or working with individuals with diverse abilities.

HONORS PEER HEALTH EDUCATORS (PE0958)**Credit: 1**
Grade: 12

Prerequisite: Department Leader recommendation

This Health elective is designed to give students the opportunity to further investigate and research current health issues and the various components of the health curriculum. As a result of this students analyze, synthesize and reflect upon their findings formulating projects and lessons to be presented to students in grades 4 – 9. This is a student centered community based group. The purpose of the group is to educate and inform the youth of Cheshire about the topics that have the potential to affect them. They will reinforce and complement at a comfortable level what is being taught by the health educators as well as sharing their own experiences.



MATHEMATICS DEPARTMENT



The CHS Math Department strives to offer a personalized education that is meaningful, authentic, and relevant, and enhances the complex thinking skills of all students. We aim to engage and challenge all students in an intentionally designed curriculum that is aligned to the CT State Standards, meets the diverse learning needs of all students, and allows all students access to high levels of mathematics. Students will actively partake in performance tasks and high-quality assessments that will provide them with timely and specific feedback to deepen understanding.

Course Options in Mathematics

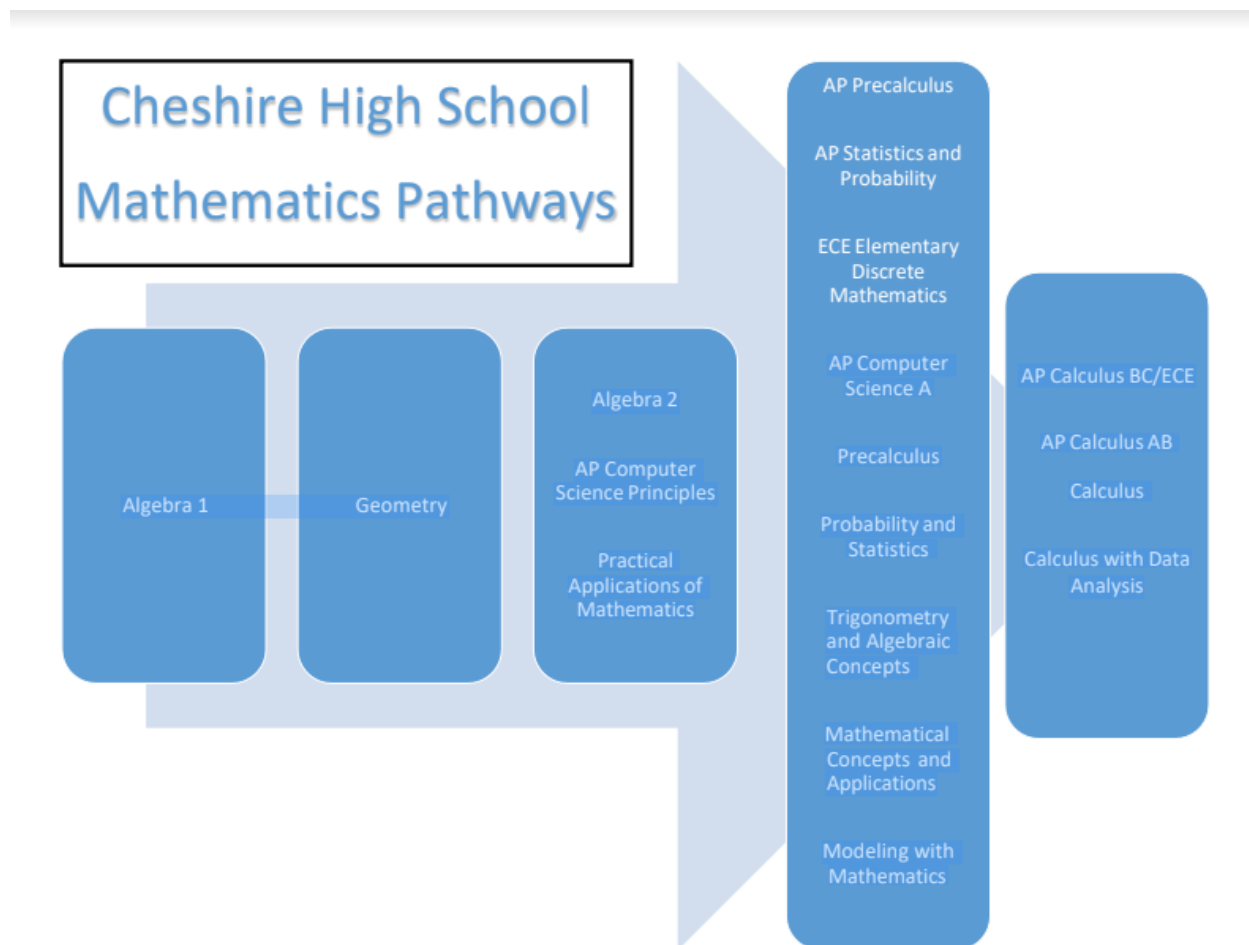
	Alternate Sequence		Honors/Advanced Placement
Grade 9	Algebra 1	Geometry	Algebra 2 AP Computer Science Principles
Grade 10	Geometry	Algebra II AP Computer Science Principles	AP Precalculus/Precalculus AP Computer Science Principles AP Computer Science A ECE Elementary Discrete Mathematics
Grade 11	Algebra 2 Practical Applications	AP Precalculus/Precalculus AP Computer Science Principles AP Computer Science A ECE Elementary Discrete Mathematics	AP Calculus AB AP Calculus BC/ECE Honors Calculus AP Computer Science Principles AP Computer Science A ECE Elementary Discrete Mathematics
Grade 12	Math Concepts Modeling with Math Probability & Statistics Precalculus/Trigonometry	AP Statistics and Probability AP Calculus AB or AP Calculus BC/ECE Honors Calculus Calculus w/ Data Analysis Probability and Statistics Modeling with Mathematics AP Computer Science Principles AP Computer Science A ECE Elementary Discrete Mathematics	AP Statistics and Probability Modeling with Mathematics AP Computer Science Principles AP Computer Science A ECE Elementary Discrete Mathematics AP Calculus BC/ECE

***T1-84* Graphing calculators are used extensively throughout all mathematics courses and are highly recommended.**

AP - Advanced Placement, ECE - UConn Early College Experience

MATHEMATICS DEPARTMENT

PROGRESSION OF COURSES



FULL YEAR MATH COURSES

ALGEBRA I (MA0112)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: Middle School Placement

This is a comprehensive algebra course which includes the following topics: solving linear equations and inequalities, graphing and writing linear functions, solving systems of linear equations, exponential functions, polynomial equations and factoring, and data analysis and displays. TI-84 graphing calculators are used extensively throughout this course and are highly recommended.

HONORS GEOMETRY (MA0121)
GEOMETRY (MA0122)

Credit: 1

Credit: 1

Grade: 9, 10, 11, 12

Prerequisites: Middle School Placement or successful completion of Algebra I MA0112 **AND** teacher recommendation.

This course includes the study of two and three dimensional figures focusing on the concrete and extending into conceptual math areas. Students are asked to represent ideas, express relationships, and formulate generalizations about the following topics: lines, angles, triangles, triangle congruence, triangle similarity, right triangle trigonometry, quadrilaterals and polygons, area and volume, circles and probability. TI-84 graphing calculators are used extensively throughout this course and are highly recommended.

HONORS ALGEBRA II (MA0131)
ALGEBRA II (MA0132)
ALGEBRA II (MA0133)

Credit: 1

Credit: 1

Credit: 1

Grade: 9, 10, 11, 12

Prerequisites: Middle School Placement or Geometry MA0121/MA0122 **AND** teacher recommendation.

This course is an extension of the *Algebra I* course. It includes the following topics: linear functions and systems, quadratic functions and equations, polynomial functions, rational functions, radical functions, exponential functions, and conic sections. TI-84 graphing calculators are used extensively throughout this course and are highly recommended.

AP PRECALCULUS (MA0176)

Credit: 1

Grade: 9, 10, 11

Prerequisites: Algebra II MA0131 A– or better **AND** teacher recommendation.

This course will include a study of polynomial, rational, exponential, logarithmic, trigonometric, and polar functions as well as functions involving parameters, vectors and matrices. These units comprise the content and conceptual understandings that colleges and universities typically expect students to master to qualify for college credit and/or placement. Over the span of the course, students should develop and apply procedural and symbolic fluency, multiple representations, and utilize communication and reasoning. TI-84 graphing calculators are used extensively throughout the course and are required for the AP exam. Students taking this course should plan on taking the AP exam in the spring.

HONORS PRECALCULUS (MA0152)
PRECALCULUS (MA0156)

Credit: 1
Grade: 10, 11, 12

Prerequisites for MA0152: Algebra II MA0131, B or better, OR Algebra II MA0132, A or better **AND** teacher recommendation.

Prerequisites for MA0156: Algebra II MA0131, successful completion, OR Algebra II MA0132, C– or better **AND** teacher recommendation.

This course is a comprehensive study of algebraic, exponential and logarithmic functions, trigonometry, applications of trigonometric concepts and data analysis. Polar graphs and parametric equations are explored. TI-84 graphing calculators are used extensively throughout this course and are highly recommended.

TRIGONOMETRY AND ALGEBRAIC CONCEPTS (MA0150)

Credit: 1
Grade: 11, 12

Prerequisites: Successful completion of Algebra II MA0132/MA0133 **AND** teacher recommendation.

This course reinforces and strengthens students' skills in preparation for college math. In the course, the student reviews and reinforces aspects of algebra previously studied. Additional families of functions studied include rationals, radicals, exponents, trigonometry and practical applications of mathematics. TI-84 graphing calculators are used extensively throughout this course and are highly recommended.

AP / ECE CALCULUS BC (MA0171)
(UConn Early College Experience Course)

Credit: 1
Grade: 10, 11, 12

Prerequisites: AP PRECALCULUS (MA0176) B+ or better **AND** teacher recommendation.

Calculus BC is considerably more extensive than Calculus AB, and will include additional topics for the Uconn ECE credits. It includes all of the calculus topics in Calculus AB and antidifferentiation. Additional topics include, but are not limited to: transcendental functions, vectors and parametrically defined curves, Euler's Method, polar curves, improper integrals, and sequences and series. Students may be required to attend extra instructional sessions. TI-84 graphing calculators are used extensively throughout the course and are required for the AP exam. Students are prepared to take the Calculus BC exam in the spring. Students taking this course may enroll in The University of Connecticut Early College Experience Program (ECE) and potentially earn credit if they meet the requirements set forth by UConn.

AP CALCULUS AB (MA0170)**Credit: 1**
Grade: 10, 11, 12

Prerequisites: AP PRECALCULUS (MA0176) C- or better, or Honors Pre-Calculus (MA0152) B- or better **AND** teacher recommendation.

Calculus AB introduces elementary functions. Topics in Calculus AB include, but are not limited to: functions and their graphs, limits and continuity, slope fields, differential and integral calculus of the single variable. TI-84 graphing calculators are used extensively throughout the course and are required for the Advanced Placement exam. Students taking this course should plan on taking the AP exam in the spring.

HONORS CALCULUS (MA0158)**Credit: 1**
Grade: 11, 12

Prerequisites: AP PRECALCULUS (MA0176) C- or better, Honors Pre-Calculus (MA0152) B- or better, or Pre-Calculus (MA0156) — A- or better **AND** teacher recommendation.

This course introduces the basics of calculus thus preparing students for the rigors of college level calculus. They will investigate elementary functions using graphical, numerical and modeling approaches. Students will gain a practical knowledge of derivatives as an instantaneous rate of change and definite integrals. TI-84 graphing calculators are used extensively throughout the course.

CALCULUS W/ DATA ANALYSIS (Applied Calculus) (MA0154)**Credit: 1**
Grade: 11, 12

Prerequisites: Successful completion of MA0176, MA0152 or MA0156 — C- or better **AND** teacher recommendation.

This course will serve as an introduction to the mathematics of change thus preparing students for the rigors of college level calculus. The development of conceptual understanding is the guiding force. The material is data driven, technology based, and uses a modeling approach. Topics covered will include some pre-calculus topics and studying change as it relates to functions and linear and nonlinear models, derivatives, rate of change, determining change, analyzing change and measuring the effects of change. TI-84 graphing calculators are used extensively throughout the course.

AP STATISTICS & PROBABILITY (MA0161)**Credit: 1**
Grade: 10, 11, 12

Prerequisites: Algebra II MA0131, B- or better, OR Algebra II MA0132, A- or better
AND teacher recommendation.

The content of this course emphasizes the reasons for, and the reasoning behind, statistics. With a data analysis approach, students learn to analyze and solve problems the same way professional statisticians do, using statistical reasoning instead of mechanically applying formulas. In the content area of statistics, data distributions and relationships will be studied: analyze and solve probability, inference for distributions, count data, and regression relations. TI-84 graphing calculator use and computer projects are an integral part of this course. A TI-84 graphing calculator is required. Students taking this course should plan on taking the AP exam in the spring.

PROBABILITY & STATISTICS (MA0160)**Credit: 1**
Grade: 11, 12

Prerequisites: Successful completion of Algebra II MA0131/MA0132/MA0133 **AND** teacher recommendation is required for this course.

This course is designed to expose the student to statistical methods of collecting, analyzing and testing data as well as working with permutations, combinations, the binomial theorem as applied to probability. Some work may be done using computers. A statistical or TI-84 graphing calculator is recommended in this course.

MODELING WITH MATHEMATICS (MA0157)**Credit: 1**
Grade: 11, 12

Prerequisites: Successful completion of Algebra II MA0131/ MA0132/ MA0133

This is a hands-on, project-based course in which students encounter real-world problems and use data/mathematics to seek an answer to those problems. Students are self-driven as they develop mathematical models of real-world applications, using a data/function-based approach that imparts a deeper grasp of the concepts and enables them to see their world from a more mathematical perspective.

PRACTICAL APPLICATIONS OF MATHEMATICS (MA0102)**Credit: 1**
Grade: 11

Prerequisites: Successful completion of at least one year of high school mathematics

This course focuses on preparing and developing refined career-related math skills. The overall course includes materials that focus on arithmetic operations, problem-solving techniques, estimation of answers, measurement skills, algebra and geometry, data handling, and statistics to solve problems. The emphasis is on the ability to understand and apply functional mathematics to solve problems in the world of work. Students not enrolled in another math course, and whose score in mathematics on the SAT was within band 1 or band 2 may be required to take this course. Concepts covered will prepare students to retake the SAT and to fulfill their mathematical requirements for graduation.

MATHEMATICAL CONCEPTS & APPLICATIONS (MA0103)**Credit: 1**
Grade: 12

Prerequisites: Successful completion of at least two years of high school mathematics

This course is intended for students seeking additional Math skills and knowledge. Topics may include SAT prep, data analysis, and use of technology in Math. This course involves mathematical explorations with a focus on number sense and engaging in authentic applications of mathematical topics. Students not enrolled in another math course who score in band 1 or band 2 in mathematics on the SAT may be required to take this course.

ELECTIVE MATH COURSES

AP COMPUTER SCIENCE PRINCIPLES (MA0172)**Credit: 1**
Grade: 9, 10, 11, 12

Prerequisites: Successful completion of Geometry MA0121 OR Algebra II MA0131/MA0132/MA0133 **AND** teacher recommendation is required for this course.

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to creative aspects of programming using abstractions and algorithms, working with large data sets, understanding of the Internet and issues of cyber security, and impacts of computing that affect different populations. AP Computer Science Principles will give students the opportunity to use current technologies to solve problems and create meaningful computational artifacts. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. AP Computer Science Principles will encourage students to be both analytical and creative in their thinking, and to collaborate with their peers to investigate solutions to real-world issues using computing.

AP COMPUTER SCIENCE A (MA0173)**Credit: 1**
Grade: 10, 11, 12

Prerequisites: Successful completion of Algebra II MA0131/MA0132/MA0133 **And** Teacher recommendation is required for this course.

Advanced Placement Computer Science A allows students to engage with the rigorous and rewarding concepts of computer science. The course emphasizes object oriented programming methodology with a concentration on problem solving and algorithm development and follows the topical outline provided by the Advanced Placement Program. It is meant to be the equivalent of a first semester college level course in computer science. It also includes some study of data structures, design, and abstraction. Programming will be done in the JAVA language.

SEMESTER COURSE

ECE ELEMENTARY DISCRETE MATHEMATICS (MA0174)
*(UConn Early College Experience Course)***Credit: .5**
Grade: 10, 11, 12

Prerequisites: Successful completion of Algebra 2 MA0131/ MA0132

UConn Discrete Mathematics stresses the problem solving and reasoning skills used by decision makers in fields such as business, government, health, and manufacturing, among others. Topics chosen may include but are not limited to: counting and probability, graph theory, deductive reasoning, the axiomatic method, voting methods, cryptology, mathematics of finance, and number theory. Students taking this course may enroll in The University of Connecticut Early College Experience Program (ECE) and potentially earn credit if they meet the requirements set forth by UConn. This course can only be taken one semester. TI-84 graphing calculators are used extensively throughout the course and are highly recommended.

SCIENCE DEPARTMENT



The mission of the Cheshire High School Science Department is: to guide students as they encounter new information; to encourage students through the challenges of turning information into knowledge; to support students as knowledge is transformed into understanding; to inspire students to appreciate the importance, relevance, and elegance of scientific knowledge and its pursuit. The Science Department supports them as they accomplish the hard work of becoming scientifically literate.

The core idea of the Next Generation Science Standards is to provide science education for all. Disciplinary Core Content standards and Science and Engineering Practices are developed and built upon throughout the years from 9-12. Crosscutting Concepts allow us to make connections between content areas. Math Skills, problem solving and engineering skills, and interpersonal skills are all developed in CHS science courses. We provide a variety of courses in four basic areas: Earth Science, Biology, Chemistry, Physics, and electives in these areas ranging from the introductory level to college level. We offer college credit through the AP program and the UCONN Early College Experience program for AP Environmental Science, AP Biology AP Chemistry and two AP Physics courses.

Cheshire High School Science Course Pathways

Pathway	Grade 9	Grade 10 *Course options are dependent on student skills and prior course work	Grade 11 *Course options are dependent on student skills and prior course work	Grade 12 *Course options are dependent on student skills and prior course work
Grade Level pathway	Earth Science Or Honors Earth Science	Biology OR Honors Biology	Conceptual Chemistry OR Chemistry OR Honors Chemistry And/Or Half-year Electives	One or More of: Physics Honors Physics AP/ECE Physics 1 and 2 AP Chemistry AP/ECE Environmental Science AP/ECE Biology Honors Anatomy and Physiology Half-year Electives
Alternate Pathways for Science Freshman year	Honors Biology OR Honors Biology and Honors Earth Science	Honors Chemistry OR Honors Chemistry And Honors Physics, or	One or More of: Honors Physics AP/ECE Physics 1 and 2 AP Chemistry AP/ECE Environmental	One or More of: Honors Physics AP/ECE Physics 1 and 2 AP/ECE Physics C AP Chemistry

		AP/ECE Physics 1 and 2, or ½ year electives	Science AP/ECE Biology Honors Anatomy and Physiology Half-Year Electives	AP/ECE Environmental Science AP/ECE Biology Honors Anatomy and Physiology Half-year Electives
	Alternate Pathways for Science Sophomore Year	Honors Biology and Half-year Earth Science Electives OR Honors Biology And Honors Chemistry	Honors Chemistry OR Honors Chemistry and Honors Physics, or AP/ECE Physics 1 and 2, or Half-year Electives OR One or More of: Honors Physics AP/ECE Physics 1 and 2 AP Chemistry AP/ECE Environmental Science AP/ECE Biology Honors Anatomy and Physiology Half-Year Electives	One or More of: Honors Physics AP/ECE Physics 1 and 2 AP/ECE Physics C AP Chemistry AP/ECE Environmental Science AP/ECE Biology Honors Anatomy and Physiology Half-year Electives
		Alternate Pathways for Science Junior Year	Honors Chemistry And Honors Physics, or AP/ECE Physics 1 and 2, or Half-year electives	One or More of: AP/ECE Physics C AP Chemistry AP/ECE Environmental Science AP/ECE Biology Honors Anatomy and Physiology Half-year Electives

FOR ALL GRADES: Placement will be made by teacher recommendation. The following data will be considered: NGSS, SBA, and PSAT data, student interest, and demonstration of complex thinking, science skills, and independence of learning in current and past classes.

FOR GRADE 8: Placement will be made by teacher recommendation. The following data will be considered: student interest and demonstration of complex thinking, science skills, and independence of learning in current classes; grade 5 and 8 NGSS, grade 7 and 8 SBA; Initial recommendations will be made in January and will be revisited to reflect results on grade 8 state assessments and end of year student performance.

Students who wish to pursue an alternate pathway in science must receive Teacher recommendation and Department Chair approval.

FULL YEAR SCIENCE COURSES

AP/ECE BIOLOGY (SC0352)
(*UConn Early College Experience Course*)

Credit: 1.5
Grade: 11, 12

Prerequisites: B or better in both Honors Biology (SC0324) and Honors Chemistry (SC0334)

*Teacher recommendation is required.

This is a college level course for students ready for advanced work in science. The Advanced Placement Biology course is to be taken by students after the successful completion of courses in high school biology and chemistry. AP Biology includes those topics regularly covered in a college biology course for majors or in a high-quality college program in laboratory biology. The course will focus primarily upon molecular and cellular biology, genetics, evolution, and ecology.

The college course in biology differs significantly from the usual first high school biology course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students. Thus it aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This class includes additional lab periods. Teacher recommendation is required. Students are prepared to take the Advanced Biology Placement Exam in the spring. Qualified students may receive UCONN credits through the UCONN Early College Experience Program.

AP CHEMISTRY (SC0351)

Credit: 1.5
Grade: 11, 12

Prerequisites: B or better in Honors Chemistry (SC0334). Concurrent enrollment in or successful completion of AP Pre Calculus (MA0176), Honors Pre Calculus (MA0152) or Pre Calculus (MA0156)

*Teacher recommendation is required.

This is a college level course for students ready for advanced work in science. This course offers a second year of chemistry for highly qualified students and is designed to be the equivalent of the chemistry course taken during the first year of college. The student is expected to attain a deep understanding of the fundamental chemical principles, and a competence in solving chemical problems. Laboratory work will be an integral and essential part of this course, and detailed lab analysis will be required. This class includes additional lab periods. This course will prepare students for the Advanced Placement Chemistry exam.

AP ENVIRONMENTAL SCIENCE (SC0375)
(*UCONN Early College Experience Course*)

Credit: 1.5
Grade: 11, 12

Prerequisites: B or better in Honors Biology (SC0324) and Honors Chemistry (SC0334). An A- or better in Biology (SC0325) and Chemistry (SC0335).

*Teacher recommendation is required.

This is a college level course for students ready for advanced work in science. This course is designed to follow the standard of the AP Environmental Science curriculum prescribed by the College Board. The course is open to juniors and seniors with a strong interest in the subject area and who have successfully completed Biology and Chemistry. This is a lab-oriented course, which requires students to investigate, analyze, synthesize, and communicate findings using appropriate scientific technique and methodologies learned in previous courses. Field study is an integral part of this course and is required. This class includes additional lab periods. Students are prepared to take the Advanced Placement Environmental Science Exam in the spring. Qualified students may receive UCONN credits through the UCONN Early College Experience Program.

AP PHYSICS 1 and 2 (SC0345)
(*UCONN Early College Experience Course*)

Credit: 1.5
Grade: 11, 12

Prerequisites: B or better in Honors Chemistry (SC0334) and concurrent enrollment in or successful completion of; AP Pre-Calculus (MA0176), Honors Pre-Calculus (MA0152), or Pre-Calculus (MA0156).

*Teacher recommendation is required.

This is a college level course for students ready for advanced work in science. Students investigate and study the principles of classical mechanics, heat, light, sound, electricity, magnetism, and an introduction to modern and nuclear physics. Heavy emphasis is placed on critical thinking for problem-solving. Intense individual study is required. Methods used to develop an understanding of course content include: lectures, demonstrations, student centered activities, lab activities, and problem solving. A variety of technologies will be used to enhance students' understanding of the physics concepts. Complex thinking and science and engineering practices are developed throughout the course. This class includes additional lab periods. This course prepares students for the Advanced Placement Physics 1 and 2 exams in the spring. Qualified students may receive UCONN credits through the UCONN Early College Experience Program.

AP PHYSICS C (SC0346)
(*UConn Early College Experience Course*)

Credit : 1
Grade: 12

Prerequisites: B or better in Honors Chemistry (SC0334) and AP/ECE Physics 1 and 2 (SC0343) or Honors Physics (SC0341) with concurrent or successful completion of an AP or Honors Calculus course (MA0158, MA0170, MA0171).

*Teacher recommendation is required.

This is a college level course for students ready for advanced work in science. Students will participate in an in-depth study of classical mechanics using calculus in problem-solving and in derivations. Many of the topics covered in Physics SC0343 and Physics SC0341 are studied in greater detail. Methods used to develop an understanding of course content include: lectures, demonstrations, student centered activities, lab activities, and problem solving. A variety of technologies will be used to enhance students' understanding of the physics concepts. This course prepares students to take the Advanced Placement Physics C exam in mechanics. Qualified students may receive UCONN credits through the UCONN Early College Experience Program.

HONORS BIOLOGY (SC0324)
BIOLOGY (SC0325)

Credit: 1
Grade: 9, 10

Prerequisite:

Honors Biology (SC0324): Successful completion of Honors Earth Science (SC0311), A- or better in Earth Science (SC0312)

*Teacher recommendation is required.

**Students who wish to pursue Honors Biology in grade 9 as part of an alternate pathway in Science must receive Teacher recommendation and Department Chair approval.

Prerequisite:

Biology (SC0325): Successful completion of Honors Earth Science (SC0311) or Earth Science (SC0312)

*Teacher recommendation is required.

This laboratory course provides an inquiry-based application to the rigorous study of living things. The teaching format is a "hands-on," student-oriented, constructivist approach and is designed to facilitate the development of problem-solving abilities. The course will focus on life at the cellular level as well as the interaction of organisms in their environment. The course will also examine genetics, genetic engineering, bioethics, evolutionary variation and adaptations within an ecological and evolutionary theme. Honors Biology SC0324 requires more in-depth reading, analysis of function and mechanisms, as well as a greater level of independent learning than Biology SC0325.

HONORS CHEMISTRY (SC0334) CHEMISTRY (SC0335)	Credit: 1 Grade: 10, 11, 12
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Prerequisite for Honors Chemistry (SC0334): Concurrent enrollment in or successful completion of Honors Biology (SC0324), or A- or better in Biology (SC0325); Concurrent enrollment or successful completion of in Honors Algebra II (MA0131), or Algebra II (MA0132)

*Teacher recommendation is required.

Prerequisites for Chemistry (SC0335): Successful completion of Honors Geometry (MA0121) or Geometry (MA0122), and Honors Biology (SC0324) or Biology (SC0325); Concurrent enrollment or successful completion of Honors Algebra II (MA0131), Algebra II (MA0132)

*Teacher recommendation is required.

Chemistry is an inquiry-based course designed for students who want a quantitative exploration of chemical principles such as the structure of matter, atomic theory, periodic trends, chemical bonding, chemical reactions, thermodynamics, solutions, reaction kinetics and equilibrium. This course involves hands-on laboratory experiments and problem solving. Honors Chemistry (SC0334) includes more emphasis on mathematical analysis than Chemistry (SC0335).

CONCEPTUAL CHEMISTRY (SC0338)	Credit: 1 Grade: 11,12
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Prerequisite: Successful completion of Honors Earth Science (SC0311) or Earth Science (SC0312) and Honors Biology (SC0324), or Biology (SC0325).

*Teacher recommendation is required.

This is an elective course in which the concepts of matter and energy, physical and chemical changes, chemical reactions, forces and interactions, and energy are investigated. An emphasis will be placed on the qualitative and conceptual basis of these topics rather than the quantitative applications. The course is designed with a focus on real world application of science and engineering practices. While similar in content, this course is not equivalent to Honors Chemistry (SC0334) or Chemistry (SC0335).

HONORS EARTH SCIENCE (SC0311) EARTH SCIENCE (SC0312)	Credit: 1 Grade: 9
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Prerequisite: *Teacher recommendation is required.

This laboratory course provides an inquiry-based application to the rigorous study of Earth Science. Students will build on their understanding of the disciplinary core concepts in geology, astronomy, meteorology and oceanography while also engaging in the science and engineering practices associated with the Next Generation Science standards. The environmental principles connected to these topics will be emphasized as the Earth as a system is investigated during this full year course. Honors Earth Science (SC0311) will go into greater depth and complexity with the concepts than Earth Science (SC0312).

HONORS ANATOMY AND PHYSIOLOGY (SC0362)**Credit: 1**
Grade: 11, 12

Prerequisites: B- or better in Honors Biology (SC0324) or a B or better in Biology (SC0325) and a B- or better in Honors Chemistry (SC0334) or Chemistry (SC0335)

*Teacher recommendation is required.

Due to the similarity of the course content, a student may enroll in only one of the following courses: Honors Anatomy and Physiology (SC0362) or Survey of Anatomy and Physiology (SC0363).

This is an elective course for students who have a strong interest in life science and may want to pursue a health care related profession. This course includes a detailed study of every organ system in the human body, and the structure and physiological functions of each. In making these connections, students will need to demonstrate complex thinking skills. This course requires students to engage in a high level of independent study and complete labs, including dissections throughout the course. This course also requires students to understand a high volume of complex vocabulary terms. Active participation and completion of high level projects and classwork is also essential to be successful in this course. This is a full year course at the Honors level, which involves a more detailed study than Survey of Anatomy and Physiology (SC0363), which is a half-year course.

HONORS PHYSICS (SC0341)
PHYSICS (SC0342)**Credit: 1**
Grade: 11, 12

Prerequisite: Honors Physics (SC0341): B- or better in Honors Chemistry (SC0334) or B+ or better in Chemistry (SC0335); concurrent or successful completion of in a mathematics course with a trigonometry component; AP Pre-Calculus (MA0176), Honors Pre-Calculus (MA0152), or Pre-Calculus (MA0156).

*Teacher recommendation is required.

Prerequisite: Physics (SC0342): C- or better in Honors Chemistry (SC0334) or Chemistry (SC0335) or an A- or better in Conceptual Chemistry (SC0338); Successful completion of Honors Algebra II (MA0131) or Algebra II (MA0132)

*Teacher recommendation is required.

This is an elective course in which physics topics such as classical mechanics, light, sound, and electricity will be studied. Instructional methods reflect the Next Generation Science Standards and include direct instruction, use of real world phenomena, student centered inquiry, and problem solving. A variety of technologies will be used to enhance student understanding of the physics concepts. Complex thinking skills and science and engineering practices will be developed. Honors Physics (SC0341) includes more mathematical applications in problem solving and requires more complex thinking skills than Physics (SC0342).

HONORS SCIENCE PHENOMENA: RESEARCH IN ACTION (SC0367)**Credit: .5****Grade: 9-12**

Prerequisite: *Teacher recommendation and Science Department Chair approval required.

This is an elective course in which students will earn credit for independent science research through a variety of approved programs. Throughout their independent scientific endeavors students will develop and apply complex thinking skills and will learn to be effective communicators.

To earn credit for this course students must seek approval from the Science Department Chair for the program they wish to participate in.

- Examples of appropriate programs are: CHS Trout in the Classroom, CT Science and Engineering Fair, Invention Convention, and Plant Mars or Plant the Moon competitions. Other programs will be considered on a case by case basis.
- Students must spend at least 10 hours over the course of the program actively participating in planning and carrying out scientific experimentation or research. This would also include time spent on coding and/or prototype development and revision. Students must submit a log of their work to document time spent.
- Students must submit a summary of their research in the form of a science paper, a poster paper (digital or physical), or a slide presentation.
- Students must present the results of their experience to an approved community group. Appropriate community groups could include: CHS Instructional Leadership Team, CHS Science National Honor Society, PTO, BOE or BOE curriculum committee, CHS teacher panel, or other CPS student groups. The course teacher will help facilitate the selection of an appropriate community group and facilitate the scheduling.

SEMESTER SCIENCE COURSES

ASTRONOMY (SC0360)**Credit: .5****Grade: 11, 12**

Prerequisite: Successful completion of Honors Biology (SC0324), or Biology (SC0325).

This is an elective course that will include the study of the tools and methods of astronomers, the study of the constellations, the study of the solar system, the planets and planetary exploration, the study of the nature and life-cycle of the stars and the study of galaxies. Evening observation nights will be held when possible. A variety of instructional methods will be used including: lecture, lab activities, cooperative projects and presentations. Current technology and multimedia resources will be used.

CATASTROPHIC GEOLOGIC EVENTS (SC0382)**Credit: .5**
Grade: 11, 12

Prerequisite: Successful completion of Honors Biology (SC0324), or Biology (SC0325).

This is an elective course that will focus on the causes and hazards associated with profound catastrophic events that impact humanity. Through this course students will focus on the science behind each event and the human costs associated with them. Weather events such as hurricanes, tornadoes, and nor'easters; tectonic events such as earthquakes, volcanic eruptions, and tsunamis; and impact events will be explored. Instructional methods reflect the Next Generation Science Standards and include direct instruction, use of real world phenomena, and student centered inquiry.

DISCOVERY IN THE CHEMISTRY LAB (SC0333)**Credit: .5**
Grade: 11, 12

Prerequisite: Successful completion of Honors Chemistry (SC0334), Chemistry (SC0335), or Conceptual Chemistry (SC0338)

*Teacher recommendation is required.

This is an elective course in which students will continue their experience of chemistry through an additional semester of laboratory exploration. Students will expand their knowledge and skills in laboratory techniques with an emphasis on current methods in research and STEM fields. Students will further their ability to think critically, solve problems, and support claims with scientific evidence. This course is designed to be a laboratory science course and will reinforce the science and engineering practices associated with the Next Generation Science Standards.

ENVIRONMENTAL SCIENCE (SC0370)**Credit: .5**
Grade: 11, 12

Prerequisite: Successful completion of Honors Biology (SC0324), or Biology (SC0325).

This is an elective course that will explore the biological and physical aspects of our global environment. Course content will center around specific environmental problems and issues including: overpopulation, global warming, energy resources, recycling, waste disposal, and pollution. Field studies are part of the course.

FORENSIC SCIENCE (SC0383)**Credit: .5**
Grade: 11, 12

Prerequisite: Successful completion of Honors Biology (SC0324) or Biology (SC0325).

This is an elective course in forensic science that focuses on the activities of the crime lab. Both laboratory and recitation sections deal with the methods to link suspect, victim, and crime scene. Laboratory exercises include: crime scene analysis, fingerprinting, document and handwriting analysis, blood typing, hair and fiber examination, anthropology and other analytic procedures. The use of DNA analysis for typing and profiling is discussed. Guests, lectures, current event articles, and videos are used when appropriate. Individual projects and/or research papers may be included.

OCEANOGRAPHY (SC0361)	Credit: .5 Grade: 11, 12
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Prerequisite: Successful completion of Honors Biology (SC0324), or Biology (SC0325).

This is an elective course which includes studying oceans of the world encompassing principles from geology, physics, chemistry, and biology. Topics include: geographic regions, plate tectonics, seafloor spreading, continental drift, waves, currents, the coastal ocean, seafloor features, sediments, chemistry of seawater, and the biology of the marine environment. Students will engage in lab work, and computer graphics and videos will be used to demonstrate and enhance the lecture material. Written reports or projects are required.

SURVEY OF ANATOMY AND PHYSIOLOGY (SC0363)	Credit: .5 Grade: 11, 12
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Prerequisite: Successful completion of Honors Biology (SC0324), or Biology (SC0325).

Because of the similarity of the course content, a student may enroll in only one of the following courses Human Anatomy and Physiology (SC0362) or Survey of Physiology and Anatomy (SC0363).

This is a half year elective course for students who have an interest in life science and want to pursue a health care related profession. This course includes a detailed study of the major organ systems in the human body, and the structure and physiological functions of each. Independent study on top of active participation and classwork is required to be successful in this course. The lab work, which includes dissections, is an essential part of the course.

ZOOLOGY (SC0364)	Credit: .5 Grade: 11, 12
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Prerequisite: Successful completion of Honors Biology (SC0324), or Biology (SC0325).

This is an elective course which includes a general survey of the animal kingdom including invertebrates and vertebrates. Topics include evolutionary advancements, growth and development, physiology, and behavior. Lab work is required, including dissections. Varying projects also are incorporated including those involving threats to coral reefs, parasitic worm infections in humans, the interdisciplinary creation of an arthropod or mollusk food business, and a vertebrate adaptations modeling project.

SOCIAL STUDIES DEPARTMENT



The mission of the CHS Social Studies Department is to foster empathetic, inquisitive, and active learners who will become informed and engaged citizens. To that end, we teach students to read critically, write persuasively, and research and communicate effectively.

Typical Course Sequences in Social Studies

		Honors	Advanced Placement/ECE
Grade 9	Modern World History	Black and Latino American Studies Modern World History	
Grade 10	United States History Principles of Law	United States History Black and Latino American Studies	AP United States History
Grade 11	Semester Courses Civics The Vietnam War Principles of Law	Black and Latino American Studies Semester Courses History Through Pop Culture	AP Comparative Government and Politics AP Human Geography AP World History: Modern AP US Government and Politics ECE Human Rights and The Law
Grade 12	Semester Courses Sociology Psychology Global Citizenship The Vietnam War Principles of Law	Black and Latino American Studies Semester Courses History Through Pop Culture	AP Comparative Government and Politics AP Human Geography AP World History: Modern AP Psychology ECE Human Rights and The Law

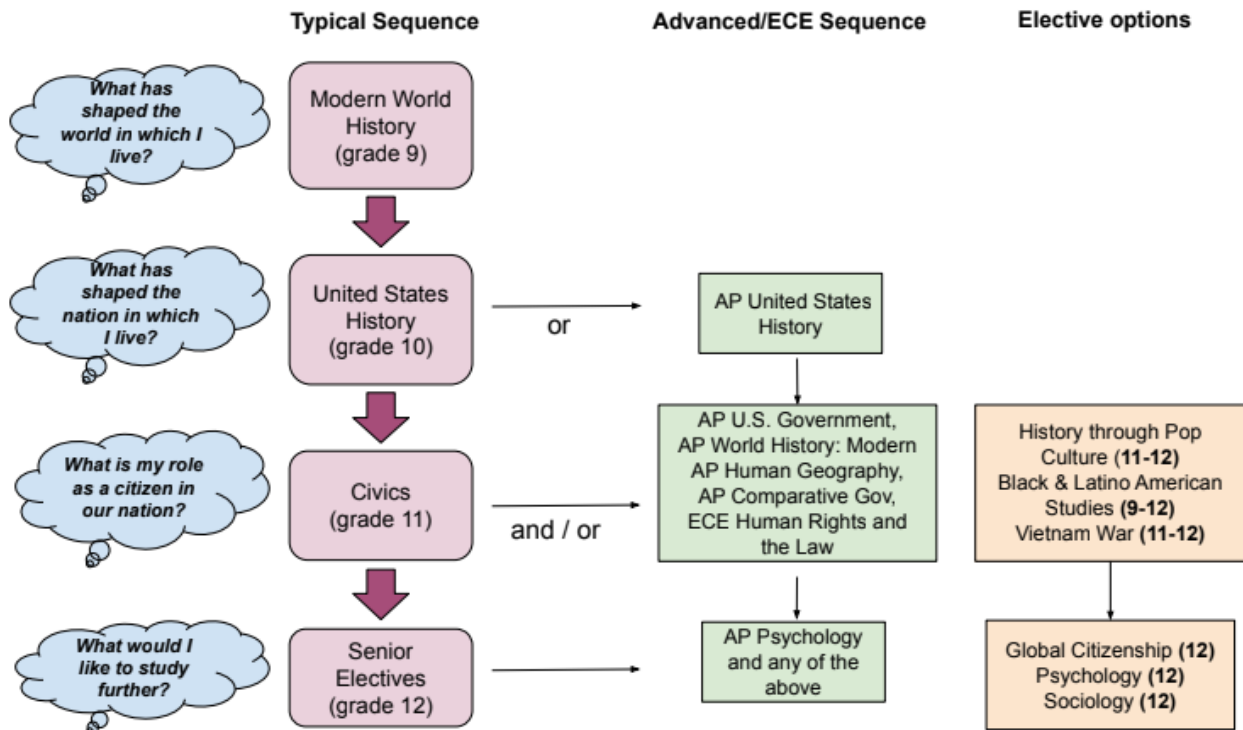
AP - Advanced Placement, ECE - UConn Early College Experience

SOCIAL STUDIES DEPARTMENT

PROGRESSION OF COURSES

CHS Social Studies Dept Course Sequence

The mission of the CHS Social Studies Department is to foster empathetic, inquisitive, and active learners who will become informed and engaged citizens. To that end, we teach students to read critically, write persuasively, and research and communicate effectively.



FULL YEAR SOCIAL STUDIES COURSES

HONORS MODERN WORLD HISTORY (SS0209)
MODERN WORLD HISTORY (SS0210)

Credit: 1
Grade: 9

Prerequisite: None (Required for all Freshmen)

This course will engage students in a comprehensive examination of the critical ideas and events that have come to influence the development of the modern world in which we live today. Major themes of this course include global conflict, human rights and social justice, competing political and economic systems, the influence of science and technology upon society, cultural identity and change, nationalism and finally, modern international institutions. Emphasis will be placed on the analysis of primary and secondary sources. Students will be required to integrate the knowledge gained from these sources and demonstrate their understanding in authentic and performance-based ways.

HONORS UNITED STATES HISTORY (SS0224) UNITED STATES HISTORY (SS0225)	Credit: 1 Grade: 10
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Prerequisite: None (Required for all Sophomores)

United States History will focus on the political, economic, and social history of the United States from the 1860's to the present. In this course, we will trace the development of urban and industrial America, the rise of the United States to a world power, and the changes in American institutions during the 20th century. The course will also explore the story of the American people, focusing on their accomplishments and disappointments as well as their dreams and fears, which have been reflected in the dramatic events that comprise modern history.

AP HUMAN GEOGRAPHY (SS0249)	Credit: 1 Grade: 11, 12
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Prerequisite: B+ or better in US History (SS0224), and teacher recommendation; or prior successful completion of an AP Social Studies course.

This course will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

AP WORLD HISTORY: MODERN (SS0251)	Credit: 1 Grade: 11, 12
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Prerequisite: B+ or better in US History (SS0224) and teacher recommendation; or prior successful completion of an AP Social Studies course.

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, 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 over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

AP PSYCHOLOGY (SS0246)**Credit: 1**
Grade: 12

Prerequisite: B+ or better in US History (SS0224), and teacher recommendation; or prior successful completion of an AP Social Studies course.

The course will introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included in the course is a consideration of the facts, principles and phenomena associated with each of the major subfields within psychology. Students should be aware that requirements, including reading, writing, and oral assignments, will be rigorous and demanding. Consequently, a high degree of personal motivation in the study of psychology is strongly recommended.

AP UNITED STATES HISTORY (SS0238)**Credit: 1**
Grade: 10

Prerequisite: A– or better in Modern World History (SS0209) and teacher recommendation.

The course approaches the study of United States history from a chronological and thematic perspective beginning with the Pre-Columbian Era and culminating with contemporary America. At the end of the year the advanced placement test may be taken for possible college credit or advanced placement in some colleges.

Students should be aware that requirements, including reading, writing, and oral assignments, will be rigorous and demanding. Consequently, a high degree of personal motivation in the study of United States History is strongly recommended.

AP US GOVERNMENT & POLITICS (SS0260)**Credit: 1**
Grade: 11, 12

Prerequisite: B+ or better in US History (SS0224), and teacher recommendation; or prior successful completion of an AP Social Studies course.

This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. Politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. Students should be aware that requirements, including reading, writing and oral assignments, will be rigorous and demanding. Consequently, a high degree of personal motivation is needed in the study of US politics.

HONORS BLACK AND LATINO AMERICAN STUDIES (SS0266)**Credit: 1**
Grade 9, 10, 11, 12

Prerequisite: None

This course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American, Black, Latino, and Puerto Rican people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S. cultural and economic wealth and create more just societies in local, national, and international contexts. Coursework will provide students with tools to identify historic and contemporary tensions around race and difference; map economic and racial disparities over time; strengthen their own identity development; and address bias in their communities.

SEMESTER SOCIAL STUDIES COURSES

AP COMPARATIVE GOVERNMENT AND POLITICS (SS0263)**Credit: .5**
Grades: 11, 12

Prerequisite: B+ or better in US History (SS0224) and teacher recommendation or prior successful completion of an AP Social Studies course.

AP Comparative Government and Politics is an introductory college-level course that uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis.

ECE HUMAN RIGHTS AND THE LAW (SS0264)
*(UConn Early College Experience Course)***Credit: .5**
Grades: 11, 12

Prerequisite: B+ or better in SS0224 US History, and teacher recommendation; or prior successful completion of an AP Social Studies course.

This course provides an introduction to the interdisciplinary study of human rights through the lens of law, justice, ethics and morality. The course will consider the history of human rights and the foundation of the laws that govern human rights. Students will reflect on the evolution of how human rights is considered today in different cultures and focus on specific, current human rights issues. By the end of the course, students will have developed an understanding of human rights as law and as a movement

formed around a set of values shared by individuals and communities across the globe. Students will also be familiar with critiques and responses to human rights frameworks and have learned strategies to secure human rights for all people.

THE VIETNAM WAR (SS0252)

Credit: .5 Grade: 11, 12

Prerequisite: None

Students will formulate an understanding of our country's involvement in Vietnam. Vietnam was a life changing experience for many Americans who came of age during this time period. It helped shape the perspectives and values of all Americans. Students will learn how successive U.S. Administrations perceived the situation in Vietnam and implemented policy decisions. Students will also learn the value of our constitutional right to dissent and how it was perceived during this time period.

CIVICS (SS0250)

Credit: .5 Grade: 11, 12

Prerequisite: None

This course is required for graduation.

This course provides a program of instruction in United States local, state and national government and in the duties, responsibilities and rights of United States citizens. Emphasis is placed on how an informed citizenry governs itself. Major issues facing the United States will be critically examined. As a part of the curriculum, students will be expected to become involved in the democratic process.

GLOBAL CITIZENSHIP (SS0239)

Credit: .5 Grade: 12

Prerequisite: None

Global Citizenship is a half year course designed to prepare students for engagement in an interconnected world. Global order has been challenged in a variety of new ways through the implementations of new technologies, weapons proliferation, public health issues, inequality, and in many other ways. As a result, the world has become more unpredictable. The emergence of new world powers with competing interests and growing influence has upset traditional military, economic, and political relationships around the world. All of these issues have great implications for our future. The Global Citizenship course will give students the opportunity to explore the root causes of these issues. As a class, we will assess and propose resolutions to these global problems. This class is ideal for students who are curious about the world, motivated to make a difference, and eager to develop the skills needed to be a responsible Global Citizen.

PSYCHOLOGY (SS0244)**Credit: .5**
Grade: 12**Prerequisite:** None

The study of psychology is extraordinarily diverse and reflects how complex and fascinating human behavior is. Psychologists study behavior to discover things such as why we fall in love, how soon a baby will recognize its mother, why some people are more creative than others, and how personality is formed. To study psychology is to study why we are the way we are. Students in this course will learn about how we perceive reality, how we learn, how we think, what creativity and intelligence really are, and how humans develop from infancy through adulthood. This course includes projects, presentations, and papers.

PRINCIPLES OF LAW (SS0267)**Credit: .5**
Grades: 10, 11, 12**Prerequisite:** None

If you are interested in the legal field, law enforcement or criminal justice system this is the course for you. Students will learn about the foundations of our American legal system including the formation of our court systems, constitutional principles and the role of attorneys in the legal system. Students will be given an overview of the core subjects of law including civil procedure, criminal law, torts and ethics. Students will be tasked with thinking analytically and critically about legal decisions and the impact those decisions have on society. Students will learn the content through a variety of activities such as projects, simulations, guests speakers and debates. Come take your first step in becoming a legal expert!

HONORS HISTORY THROUGH POPULAR CULTURE (SS0236)**Credit: .5**
Grade: 11, 12**Prerequisite:** None

Movies, television, comic books, music, theater, and video games are the defining elements of American pop culture today. Together these mediums shape the culture around us but also help us to interpret the past. This course utilizes a multidisciplinary approach to research and explore how popular culture and mass media reflect, represent, and help us understand our history. Throughout this thematic project based course, students will be challenged to research and analyze how various examples of pop culture reveal and also shape our history and ultimately express that understanding through the construction of media driven projects.

Prerequisite: None

Sociology is a course for seniors in which they will learn about American society. Topics of study will include: family, education, religion, government, and economics. In addition to the textbook, students will read a variety of current sources and engage in project based learning.

SPECIAL OFFERINGS



		Honors	Advanced Placement/ECE
Grade 9	Community Service	Educational Center for the Arts	
Grade 10	Community Service Teen Leadership Training	Educational Center for the Arts	
Grade 11	Community Service Independent Study Mastery Based Performance Assessment Teen Leadership Training	Educational Center for the Arts	UConn ECE Courses -see below for list ECE If You Love it, Teach it
Grade 12	Community Service Independent Study Mastery Based Performance Assessment Teen Leadership Training	Educational Center for the Arts	UConn ECE Courses -see below for list AP Research ECE If You Love it, Teach it

AP RESEARCH (MB0002)**Credit: 1**
Grade: 12**Prerequisite:** AP Seminar

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

COMMUNITY SERVICE (CS1000)**Credit: .5**
Grade: 9, 10, 11, 12**Prerequisite:** None

This course is designed to provide students with an opportunity to contribute to the greater community. A ½ credit will be given to any student who is able to complete 60 hours of community service by graduation. A faculty committee will meet to approve the community service hours and goals. Verification by a site supervisor(s) will be required. The completed hours may not be applied elsewhere (e.g. confirmation, scout badges, counselor-in-training programs, court ordered or juvenile review board community service.) The hours may not be completed for pay.

- Students are awarded credit after completion of hours. Do not count credit in 6.5 credit minimum for registration.

ECE IF YOU LOVE IT, TEACH IT (MB0003)
*(UConn Early College Experience Course)***Credit: .5**
Grade: 11, 12

This is an educational foundations survey course for students who would like to learn more about the landscape of K-12 education and how to connect their passions to it. It explores teaching and learning as processes that can relate to personal passions as well as how those passions are shaped or even denied in different educational contexts. Course topics include: introductions to historical, philosophical, and social foundations of education as well as how those foundations relate to teaching as a profession, school organization, educational reform, and the reimagining of educational futures. The course will include activities and assignments such as portfolios, thinking journals, K-12 setting observations, project-based learning, whole-class and small-group inquiry, and cooperative teaching and learning experiences. Students will participate in 15 hours of field experience with prek-12 students, teachers, or schools.

HONORS EDUCATIONAL CENTER FOR THE ARTS (PA0858)**Credit: 2**
Grade: 9, 10, 11, 12

This course is designed to meet the needs of artistically talented students. The Educational Center for the Arts offers programs in dance, creative writing, music, theater and visual arts. Students attend class in New Haven. The bus leaves CHS at approx. 12:00 p.m. and returns at approx. 4:30 p.m. Monday through Thursday. Each year students are accepted, with full tuition paid, based upon a competitive audition and an interview. For further information, contact your school counselor.

INDEPENDENT STUDY**Credit: TBD**
Grade: 11, 12

There may be some situations in which a student in their junior year may wish to design an independent study program for a particular area of study. Since we offer a comprehensive program of studies, these situations are extremely rare. Juniors who would like to apply for these programs, must have 6.5 credits in addition to the independent study and have taken all the courses offered in that particular discipline. The student will present their independent study project for review and assessment to a faculty committee. **If a student is interested in such a program, he or she must see Dr. Maureen Reed, Assistant Principal, for a copy of the Independent Study Program Procedures and Application form.** Applications are due by May.

MASTERY BASED PERFORMANCE ASSESSMENT (SE1000)**Credit: 1**
Grade: 11, 12

Prerequisite: None

The Cheshire H.S Mastery Based Performance Assessment (MBPA) is designed to prepare high school students for lifelong learning and effective and productive citizenship through the opportunity to plan, complete, and present a self-directed culminating project reflecting their personal interest. The project allows the students the opportunity to apply and demonstrate interdisciplinary knowledge and skills while investigating a personal interest or goal that is supported by an adult mentor and advisor. Furthermore, the project engages students in an experience that focuses on their own personal interests, career path goals, or academic interests.

Students will demonstrate their ability to apply key knowledge and skills through planning, coordinating, researching, reflecting, and presenting a culminating project. The Cheshire High School Performance Standards that are to be met are as follows:

- *Complex Thinker
- *Creative Thinker
- *Self-Directed Learner
- *Effective Communicator

- * Collaborative/Cooperative Worker
- * Community Contributor

TEAM LEADERSHIP TRAINING (SE1003)

Credit: .5
Grade: 10, 11, 12

Team leadership is an immersive, participatory experience that builds personal responsibility and leadership skills through role plays, group activities, speeches, and projects. In this course, students will grow in character and vision, be prepared for challenges, and perfect personal, relational and leadership skills. Students will learn to master and be more effective at: making a good impression, presenting ideas, thinking for themselves, working with difficult people, and pursuing personal excellence in the face of difficulty.

PERSONAL LEARNING OPTIONS

Credit: TBD
Grade: 9, 10, 11,12

In addition to regular classroom-based instruction, students in the Cheshire Public Schools may earn .5 credit for a 3 credit course per state law. Through distance education provided by virtual/online courses if it has been pre-approved through the principal.

Step 1: Pre-Approval Information

To receive credit for online courses to be used toward high school graduation requirements, students must, prior to registering for the course, receive prior approval from the High School Principal or his/her designee. The decision of the Principal or his/her designee with regard to online course credit approval is final. In determining whether to grant approval, the principal shall determine whether, in his or her professional judgment, the student is appropriately suited to engage in online coursework, based on the criteria set forth herein.

Students applying for permission to take a virtual/online course will do the following:

- Complete prerequisites and provide teacher/counselor recommendations to confirm the student possesses the maturity level needed to function effectively in the online/college learning environment.
- Obtain the written approval of the principal or his/her designee **before a student enrolls** in a virtual course or the university/college course.
- Adhere to the Cheshire Public Schools code of conduct to include rules of behavior and consequences for violations and adhere to our Responsible Use Policy.
- Adhere to attendance requirements of the District.
- Have entered at least their second semester of 8th grade

Step 2: Course Request and Justification

In accordance with Cheshire Board of Education policy 6172.6(b), students enrolled at Cheshire High School may receive credit from an online or virtual course, or a university/college course, only if it meets at least one of the following criteria:

1. The course is not offered at Cheshire High School.

2. The High School does offer the course, but the student is unable to take it due to an unavoidable scheduling conflict with the principal's permission.
 3. The course will serve as an alternative or a supplement to extend homebound instruction.
 4. The Cheshire Public Schools has expelled the student from the regular school setting and the student has been offered an alternative educational opportunity.
 5. The principal, with agreement from the student's teachers and parents/guardians, determines the student requires a differentiated or accelerated learning environment **(student should include a detailed statement as to why they require this option)**
 6. A student has failed a course and wishes to recover credits in that course area with the principal's permission
 7. The student's PPT or Section 504 Team has determined it to be an appropriate means of instruction
- Upon receipt of your request, the District must ensure that the online course requested meets criteria outlined in Board of Education policy 6172.6(a) to award credit at Cheshire High School. Please understand by submitting this request you will be expected to submit a final transcript from the online provider/college indicating the final grade. Students must also ultimately demonstrate 80% mastery on the CHS version of the end of course exam (if the online course equivalent is offered at CHS) before credit is awarded and the student is allowed to matriculate within the content area. Online course grades **do** count toward Cheshire High School final Grade Point Averages. Students may withdraw from online courses within two weeks of initiating the course before it becomes an official withdrawal on the student transcript. Seniors must submit a final online course transcript for all online coursework prior to June 1 of their graduation year in order for it to appear on their CHS transcript.

UNIVERSITY OF CONNECTICUT EARLY COLLEGE EXPERIENCE (ECE)	Credit: TBD Grade: 11, 12
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The University of Connecticut Early College Experience (ECE) provides academically motivated students the opportunity to take university courses while still 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 financial head-start on a college degree.

ECE instructors, who are certified as adjunct professors by The University of Connecticut faculty, create a classroom environment fostering independent learning, creativity, and critical thinking – all pivotal for success in college. To support rigorous learning, University of Connecticut library resources are also available to students. **Students may receive ECE credit in the following courses:**

CHS Course Title	UConn Course Number	College Credits
Biology - AP	BIOL 1107	4
British Literature - ECE	ENGL 1011	4
Calculus BC - AP	MATH 1130Q and 1131Q	8
Lifespan Development - ECE	HDFS 1070	3
Elementary Discrete Mathematics - ECE	MATH 1030Q	3
Environmental Science - AP/ECE	NRE 1000	3

French - AP/ECE	FREN 3250 & FREN 3268	6
German - AP/ECE	GERM 3233	3
If You Love It, Teach It - ECE	EDCI 1100	3
Health and Education in Urban Communities - ECE	EDLR 1162	3
Human Rights and the Law - ECE	HIST 1007	3
Literature & Composition - AP/ECE	ENGL 1011	4
Macroeconomics - AP/ECE	ECON 1202	3
Microeconomics - AP/ECE	ECON 1201	3
Physics 1 and 2 - AP/ECE	PHYS 1201 Q & PHYS 1202 Q	8
Physics C - AP/ECE	PHYS 1401 Q	4
Spanish Language - AP/ECE	SPAN 3178	3

ECE students must successfully complete the course with a grade of C or better in order to receive university credit. University credits are highly transferable to other universities.

Students are charged per credit plus a university fee per course. For additional information visit:

www.ece.uconn.edu

Note: Interested students must apply before the end of the school year in the school counseling office in order to enroll in a UConn ECE course for the following school year.

WORLD LANGUAGES DEPARTMENT



The World Language program promotes linguistic proficiency, cultural proficiency, and literacy while cultivating a lifelong appreciation and enthusiasm for languages and the cultures they reflect. The World Language program consistently implements interdisciplinary learning strategies and actively cultivates global citizenship.

The World Language program facilitates the students' ability to communicate in the target language through the use of authentic materials, literature, cultural content, and real-world experiences, focusing on personal development in reading, writing, speaking, listening, and cultural competency.

Reciprocal exchange programs and travel programs abroad complement language study.

Students have the opportunity to further their acquisition of language through Advanced Placement and UConn Early College Experience courses. Both programs allow students to earn college credit.

By the end of their tenure, students will be able to communicate effectively in the target language and will be culturally compassionate, educated, multilingual global citizens.

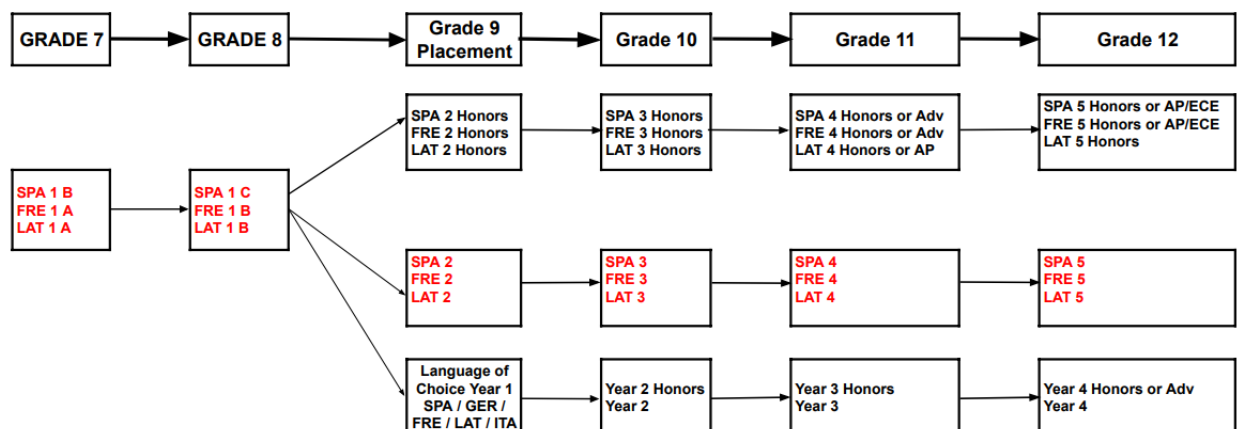
World Language Options

		Honors	Advanced Placement
Grade 9	French I, II German I Italian I Latin I, II Spanish I, II	French I, II German I Italian I Latin I, II Mandarin Chinese I (online) Spanish I, II	
Grade 10	French I, II, III German I, II, III Italian I, II Latin I, II, III Spanish I, II, III	French I, II, III German I, II, III Italian I, II Latin I, II, III Mandarin Chinese I Spanish I, II, III	

Grade 11	French I, II, III, IV German I, II, III, IV Italian I, II, III Latin I, II, III, IV, V Spanish I, II, III, IV	French I, II, III, IV, IV Adv. German I, II, III, IV, IV Adv. Italian I, II, III Latin I, II, III, IV, V Mandarin Chinese I (online) Spanish I, II, III, IV, IV Adv.	AP Latin Vergil and Caesar AP Spanish Language
Grade 12	French I, II, III, IV, V German I, II, III, IV Italian I, II, III, IV, V Latin I, II, III, IV, V Spanish I, II, III, IV, V	French I, II, III, IV, IV Adv., V German I, II, III, IV, IV Adv., V Italian I, II, III, IV, V Latin I, II, III, IV, V Mandarin Chinese I (online) Spanish I, II, III, IV, IV Adv., V	AP/ECE French Language AP/ECE German Language AP Latin Vergil and Caesar AP/ECE Spanish Language

Cheshire Public Schools

World Language Department Sequence of Courses



AP - Advanced Placement, ECE - UConn Early College Experience

HONORS FRENCH I (WL0420)
FRENCH I (WL0402)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: Honors French I (WL0420): C- or better in English or Language Arts.

French I (WL0402): D- or better in English or Language Arts.

This course is a comprehensive grammatical, conversational and cultural study of the language. Emphasis is placed on the language as a tool to help the student acquire all four skills: listening, speaking, reading and writing.

HONORS FRENCH II (WL0422)
FRENCH II (WL0425)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: Honors French II (WL0422): C- or better Honors French I (WL0420)
French II (WL0425): D- or better in French I (WL0402).

This is a continuation of French I with more emphasis on grammatical and speaking skills. Authentic online resources intended for native speakers will be used to develop comprehension of the target language and culture.

HONORS FRENCH III (WL0426)
FRENCH III (WL0421)

Credit: 1
Grade: 10, 11, 12

Prerequisite: Honors French III (WL0426): C- or better in Honors French II (WL0422)
French III (WL0421): D- or better in French II (WL0425).

This course furthers students' comprehension of the structure of the language and allows students to express themselves more effectively in the target language. Authentic online resources intended for native speakers will provide students the opportunity to more actively engage with the language and culture and strengthen their grammatical foundation.

HONORS FRENCH IV (WL0429)
FRENCH IV (WL0418)

Credit: 1
Grade: 11, 12

Prerequisite: Honors French IV (WL0429): C- or better in Honors French III (WL0426)
French IV (WL0418): D- or better in French III (WL0421)

This course is designed for those students who have completed three years of French study and wish to continue their study of the language with emphasis on oral proficiency. The class will be regularly conducted in the target language to help the student strengthen practical communication skills. Advanced linguistic concepts will be taught via modern culture. Various French media will be an integral part of this course. Authentic online resources intended for native speakers will provide students the opportunity to more actively engage with the language and culture and strengthen their grammatical foundation.

HONORS FRENCH IV ADVANCED (WL0430)

Credit: 1
Grade: 11, 12

Prerequisite: B or better in Honors French III (WL0426)

This course is designed for those students who have completed three years of French study and wish to continue their study of the language with emphasis on oral proficiency. The class will be primarily conducted in the target language to help the student strengthen practical communication skills. Advanced linguistic concepts will be taught in great detail via French history and modern culture. Various French media will be an integral part of this course. This course moves at a more demanding pace than French IV Honors. Authentic online resources intended for native speakers will provide

students the opportunity to more actively engage with the language and culture and strengthen their grammatical foundation.

HONORS FRENCH V (WL0423) FRENCH V (WL0419)	Credit: 1 Grade: 12
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Prerequisite: Honors French V (WL0423): C- or better in Honors French IV (WL0429) or in Honors French IV Advanced (WL0430)

French V (WL0419): D- or better in French IV (WL0418)

This course will continue to expand the level of proficiency of the four skills: speaking, listening, reading and writing, while advancing the knowledge of French culture. Contemporary issues will be presented and discussed through the use of authentic French literature, internet sources, music, and film.

AP/ECE FRENCH LANGUAGE (WL0433) <i>(UConn Early College Experience Course)</i>	Credit: 1 Grade: 12
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Prerequisite: B or better in Honors French IV Advanced (WL0430)

In this course, the student will continue to refine his or her proficiency in four skills – listening, speaking, writing and reading in preparation for the Advanced Placement French Language Exam and/or UConn Credits. Materials focusing on contemporary issues will include authentic French literature, internet sources, music and film. Students will be responsible for summer work and will be encouraged to take the AP French Language Exam in May. Students registered for ECE will be responsible for 15 pages of writing over the course of the year, including a final essay.

HONORS GERMAN I (WL0440) GERMAN I (WL0441)	Credit: 1 Grade: 9, 10, 11, 12
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Prerequisite: Honors German I (WL0440): C- or better in English or Language Arts.

German I (WL0441): D- or better in English or Language Arts.

This course offers students a variety of experiences in learning and using natural speech patterns in the German Language. Emphasis is placed on developing all four skills: listening, speaking, reading and writing. Cultural awareness of the German-speaking countries—Germany, Austria and Switzerland—is fostered through projects and audio-visual materials.

HONORS GERMAN II (WL0442) GERMAN II (WL0439)	Credit: 1 Grade: 9, 10, 11, 12
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Prerequisite: Honors German II (WL0442): C- or better in Honors German I (WL0440)
German II (WL0439): D- or better in German I (WL0441)

The four basic communication skills of reading, writing, speaking, and listening will be refined. Students will continue the study of German, Austrian, and Swiss cultures through project based learning at an accelerated pace.

HONORS GERMAN III (WL0447)
GERMAN III (WL0438)

Credit: 1
Grade: 10, 11, 12

Prerequisite: Honors German III (WL0447): C- or better in Honors German II (WL0442)
German III (WL0439): D- or better in German II (WL0439)

This course will concentrate on expanding the four language skills. Students will continue the study of advanced German grammar. A weekly journal will be kept to improve written proficiency. Oral presentations, both planned and impromptu, will be given. During the second semester, students will also read a novel in German. Cultural activities will continue and the Blue Rider art movement. Students will take the National German exam.

HONORS GERMAN IV (WL0449)
GERMAN IV (WL0437)

Credit: 1
Grade: 11, 12

Prerequisite: Honors German IV (WL0449): C- in Honors German III (WL0447)
German IV (WL0437): D- in or better in German III (WL0438)

Students will continue with a weekly journal in the target language. Students will read Max and Moritz by Wilhelm Busch to start off the year. Topics covered are traveling, health, and classic German Fairy Tales. The use of modern film will enhance all four skills as well as cultural competence.

HONORS GERMAN IV ADVANCED (WL0446)

Credit: 1
Grade: 11, 12

Prerequisite: B or better in Honors German III (WL0447)

This course is a comprehensive study of advanced grammatical and linguistic elements of the German language. Written and oral proficiency will be developed via cultural components including various media sources.

HONORS GERMAN V (WL0443)
GERMAN V (WL0436)

Credit: 1
Grade: 12

Prerequisite: Honors German V (WL0443): C- or better in Honors German IV (WL0449) or in Honors German IV Advanced (WL0446)

German V (WL0436): D- or better in German IV (WL0437)

This course will continue to refine the level of proficiency of the four skills, listening, speaking, reading, writing, and deepening understanding of the culture of German-speaking countries. Aspects of science, history, and literature will be studied. Videos, multimedia, texts and music samples will be studied.

AP GERMAN LANGUAGE (WL0445)
(*UConn Early College Experience Course*)

Credit: 1
Grade: 12

Prerequisite: B or better in Honors German IV Advanced (WL0446)

Students will continue their study of the German language and culture. Communication skills and proficiency in the language will continue to be stressed in preparation for the AP German Exam. A textbook, practice exams, and new online resources will be used to enhance language skills. Students will be encouraged to take the AP German Exam. Topics covered are: Families and community, Personal Identities, Beauty and Art, Science and Technology, Environment and Modern Life.

HONORS LATIN I (WL0410)
LATIN I (WL0409)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: Honors Latin I (WL0410): C- or better in English or Language Arts.

Latin I (WL0409): D- or better in English or Language Arts.

This course offers an introduction to Latin. This introduction includes interesting readings on such topics as Roman Theater, forum, banquets, baths, and gladiatorial games. This course includes an emphasis on English derivatives aimed at improving PSAT and SAT scores. Traditional grammar will be presented in a two and one-half year sequence.

HONORS LATIN II (WL0411)
LATIN II (WL0412)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: Honors Latin II (WL0411): C- or better in Honors Latin I (WL0410)

Latin II (WL0412): D- or better in Latin I (WL0409)

This course seeks to continue basic grammar study and to increase vocabulary and skill in translating. Continuing work is done in English derivatives to improve SAT scores. Readings will discuss such varied topics as: the military life, Roman and British archaeological sites, famous Roman personalities and political intrigue.

HONORS LATIN III (WL0414)
LATIN III (WL0413)

Credit: 1
Grade: 10, 11, 12

Prerequisite: Honors Latin III (WL0414): C- or better in Honors Latin II (WL0411)
Latin III (WL0413): D- or better in Latin II (WL0412)

This course presents the student with a variety of Roman poets and prose writers. In the fall, the readings include excerpts from Pliny's letters, and Ovid's mythology. The fall will also include an intense effort to complete the more complex grammar. Lastly, there will be a history section dealing with the Roman republic, as well as the empire with some of the more famous emperors. The spring will then aim at honing student's translating skills by concentrating on two authors: Ovid and Caesar. The course will continue with reading Ovid's Metamorphoses in English, studying figures of speech, as well as completing various art projects.

HONORS LATIN IV (WL0415)
LATIN IV (WL0427)

Credit: 1
Grade: 11, 12

Prerequisite: Honors Latin IV (WL0415): C- or better in Honors Latin III (WL0414)
Latin IV (WL0427): D- or better in Latin III (WL0413)

This course is for students who wish to continue Latin, but may not yet pursue the AP Latin Course. Students will read a variety of Latin prose and poetry. Possible topics of study include: Augustus' Res Gestae, various poets, Roman food and cuisine, Cicero's De Senectute, et al. Students will also be expected to do individual projects, using technology.

HONORS LATIN V (WL0417)
LATIN V (WL0468)

Credit: 1
Grade: 11, 12

Prerequisite: Honors Latin V (WL0417): C- or better in AP Latin (WL0416) or Honors Latin IV (WL0415)
Latin V (WL0468): D- or better in Latin IV (WL0427)

This course is aimed at students who wish to continue their study after the AP course or Latin IV. The culture of the Romans and their influence on the modern world will be explored via readings. Students will prepare individual projects, using technology. The choice of authors will vary. Topics may include: Pygmalion, study of Cleopatra, the average Roman, inscriptions, the Greek alphabet and English derivatives, the comedy of Plautus, et. al.

AP LATIN (WL0416)

Credit: 1
Grade: 11, 12

Prerequisite: B or better in Honors Latin III (WL0414) or in Honors Latin IV (WL0415)

This course aims to give students an in depth study of two works: Vergil's Aeneid and Caesar's Commentaries of the Gallic War. Half the year will be spent translating sections from Gallic Wars, the other half translating passages from the Aeneid. In addition, each author's styles will be discussed. Roman values, their view of non-Romans, leadership, as well as history and poetic devices will be incorporated into the course. The students will read these books in English over the summer. The course will follow the AP syllabus.

HONORS ITALIAN I (WL0473)
ITALIAN I (WL0469)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: Honors Italian I (WL0473): C- or better in English or Language Arts.
Italian I (WL0469): D- or better in English or Language Arts.

This course is a comprehensive grammatical, conversational and cultural study of the Italian language. Emphasis is placed on the language as a tool to help students acquire all four language skills: listening, speaking, reading and writing.

HONORS ITALIAN II (WL0474)
ITALIAN II (WL0470)

Credit: 1
Grade: 10, 11, 12

Prerequisite: Honors Italian II (WL0474): C- or better in Honors Italian I (WL0473)
Italian II (WL0470): D- or better in Italian I (WL0469)

This course is designed to further the development of grammatical knowledge and conversational skills. Grammatical structures are reinforced and advanced with emphasis on vocabulary building. Italian culture is studied through the use of the language itself, readings, videos, student reports, audiovisuals and internet sites.

HONORS ITALIAN III (WL0475)
ITALIAN III (WL0471)

Credit: 1
Grade: 10, 11, 12

Prerequisite: Honors Italian III (WL0475): C- or better in Honors Italian II (WL0474)
Italian III (WL0471): D- or better in Italian II (WL0470)

This course is designed to continue to enhance students' grammatical knowledge and conversational skills. Students will be encouraged to express themselves in the target language in both written and oral work. This course will continue the exploration of the culture of Italy.

HONORS ITALIAN IV (WL0476)
ITALIAN IV (WL0477)

Credit: 1
Grade: 10, 11, 12

Prerequisite: **Honors Italian IV (WL0476):** C- or better in Honors Italian III (WL0475)
Italian IV (WL0477): D- or better in Italian III (WL0471)

This course is designed to further students' grammatical knowledge and conversational skills as well as listening and reading comprehension, while continuing to explore Italian culture. Oral and written expression will be required in the target language with the purpose of developing greater proficiency. The acquisition of all skills will be enhanced by the use of authentic materials.

HONORS SPANISH I (WL0450)
SPANISH I (WL0461)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: **Honors Spanish I (WL0450):** C- or better in English or Language Arts.
Spanish I (WL0461): D- or better in English or Language Arts.

This course is designed to introduce grammatical concepts and conversational skills of the Spanish language. This will include a presentation of vocabulary and grammar through oral and written exercises, dialogues, and short readings. This course will also explore the culture of the Spanish speaking world.

HONORS SPANISH II (WL0451)
SPANISH II (WL0462)

Credit: 1
Grade: 9, 10, 11, 12

Prerequisite: **Honors Spanish II (WL0451):** C- or better in Honors Spanish I (WL0450)
Spanish II (WL0462): D- or better in Spanish I (WL0461)

This course is designed to further the development of grammatical knowledge and conversational skills. Grammatical structures are reinforced and advanced with emphasis on vocabulary building. The culture of the Hispanic world is studied through the use of the language itself, readings, videos, student reports, audio-visuals and internet sites.

HONORS SPANISH III (WL0452)
SPANISH III (WL0463)

Credit: 1
Grade: 10, 11, 12

Prerequisite: **Honors Spanish III (WL0452):** C- or better in Honors Spanish II (WL0451)
Spanish III (WL0463): D- or better in Spanish II (WL0462)

This course is designed to continue to enhance students' grammatical knowledge and conversational skills. Students will be encouraged to express themselves in the target language in both written and oral work. They will continue to study the cultural nuances of Spanish speaking countries.

**HONORS SPANISH IV (WL0454)
SPANISH IV (WL0466)**

**Credit: 1
Grade: 11, 12**

Prerequisite: Honors Spanish IV (WL0454): C- or better in Honors Spanish III (WL0452)
Spanish IV (WL0466): D- or better in Spanish III (WL0463)

Students will further their study of Spanish grammar and literature while exploring Hispanic culture. Oral and written expression will be required in the target language with the purpose of developing greater fluency.

HONORS SPANISH IV ADVANCED (WL0459)

**Credit: 1
Grade: 11, 12**

Prerequisite: B or better in Honors Spanish III (WL0452)

This course is a comprehensive study of advanced grammatical elements through the examination of cultural topics, such as current events in the Hispanic world, movies, and literary works. Written and Oral proficiency will be developed and the techniques of literary analysis will be introduced. Students will study and practice complex grammar concepts in authentic context.

AP / ECE SPANISH LANGUAGE (WL0456)
(UCONN Early College Experience Course)

**Credit: 1
Grade: 11, 12**

Prerequisite: B or better in Honors Spanish IV Advanced (WL0459)

Proficiency in all four language skills will be expanded. The students in Advanced Placement Spanish IV will continue their study of Spanish grammar, culture and literature. Oral and written expression will be required in the target language with the purpose of developing greater fluency. Students will be encouraged to take the AP Spanish Language Exam in May.

**HONORS SPANISH V (WL0458)
SPANISH V (WL0457)**

**Credit: 1
Grade: 12**

Prerequisite: Honors Spanish V (WL0458): C- or better in Honors Spanish IV (WL0454) or Spanish IV Advanced (WL0459)
Spanish V (WL0457): D- or better in Spanish IV (WL0466)

This course will continue to refine the level of proficiency of the four skills: speaking, understanding, reading and writing, while advancing the knowledge of Hispanic cultures. Literature and contemporary issues, through the usage of modern media as well as exposure and interaction with the Hispanic community, will be explored.

Prerequisite: C- or better in English or Language Arts

This course will introduce the student to a variety of areas of Mandarin Chinese (Simplified). In this course, the student will learn listening, speaking, reading and writing skills. Students will learn to express themselves using an ever-increasing vocabulary. Culture will be implemented throughout the course in an attempt to help the learner focus on the Chinese-speaking world and their culture, people, geographical locations and histories. A mentor (not a tutor) will be assigned to support and monitor the student's effort/work in their online course.