



# Naugatuck High School

Program of Studies  
2026 - 2027



# Naugatuck High School

543 Rubber Avenue  
Naugatuck, CT 06770  
*“In Pursuit of Excellence”*

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# Naugatuck High School

## The Responsible Citizen

- Participates positively with our community
- Engages in developing solutions to local problems and issues
- Accepts responsibility for personal decisions and actions
- Acts ethically and responsibly
- Recognizes and respects diversity
- Demonstrates civic literacy
- Demonstrates awareness of personal and social health and wellness
- Acts with empathy and kindness

## The Researcher

- Generates and manages data from a variety of sources to make sense of their thinking and their world
- Understands the past to make sense of the future
- Challenges the veracity and validity of information
- Analyzes and evaluates information to inform thinking
- Uses a variety of media and technological tools to find, analyze and make sense of information
- Generates thoughtful questions and hypotheses about relevant problems and issues and develops a process to address them
- Sources information through new, uncommon, unexpected ways or places

## The Innovator

- Takes risks and learns from failure
- Is curious and imaginative
- Innovate, invents, imagines and dreams
- Applies knowledge in new contexts and across disciplines
- Collaborates effectively with others to create new ideas and solutions
- Actively engages in and takes ownership of learning
- Produces striking, distinct, unique, well-crafted works
- Demonstrates originality in thinking and through the design of solutions to a variety of problems and obstacles
- Understand the purpose driving the creative process (What does this contribute to society? How do I see my world? How can I make my world better?) and goes beyond convention when shaping ideas
- Uses a multitude of ways to generate original ideas and process them in order to select the best, most effective, imaginative ones
- Seeks out critique and feedback to review, revise and refine work

# Vision of the Graduate

## The Informed Thinker

- Acquires and applies information across disciplines in real-world contexts
- Evaluates, analyzes and synthesizes information from a variety of sources
- Demonstrates understanding and knowledge of Humanities, Science, Math, Technology and the Arts
- Reflects critically on learning and life experiences and seeks out opportunities to grow
- Effectively analyzes and evaluates evidence, arguments, claims and beliefs, and alternative points of view
- Promotes, develops and contributes thoughtfully to divergent and original perspectives

## The Communicator

- Speaks and listens effectively for a variety of purposes
- Uses evidence and coherence appropriately in communication
- Structures and organizes communication in English and at least one other language
- Communicates strategically for a variety of purposes and audiences
- Uses a variety of modes of expression (visual, spoken, written, performing arts, etc.) including the effective use of technology, to create and share ideas
- Uses interpersonal skills to learn and work with individuals from diverse backgrounds

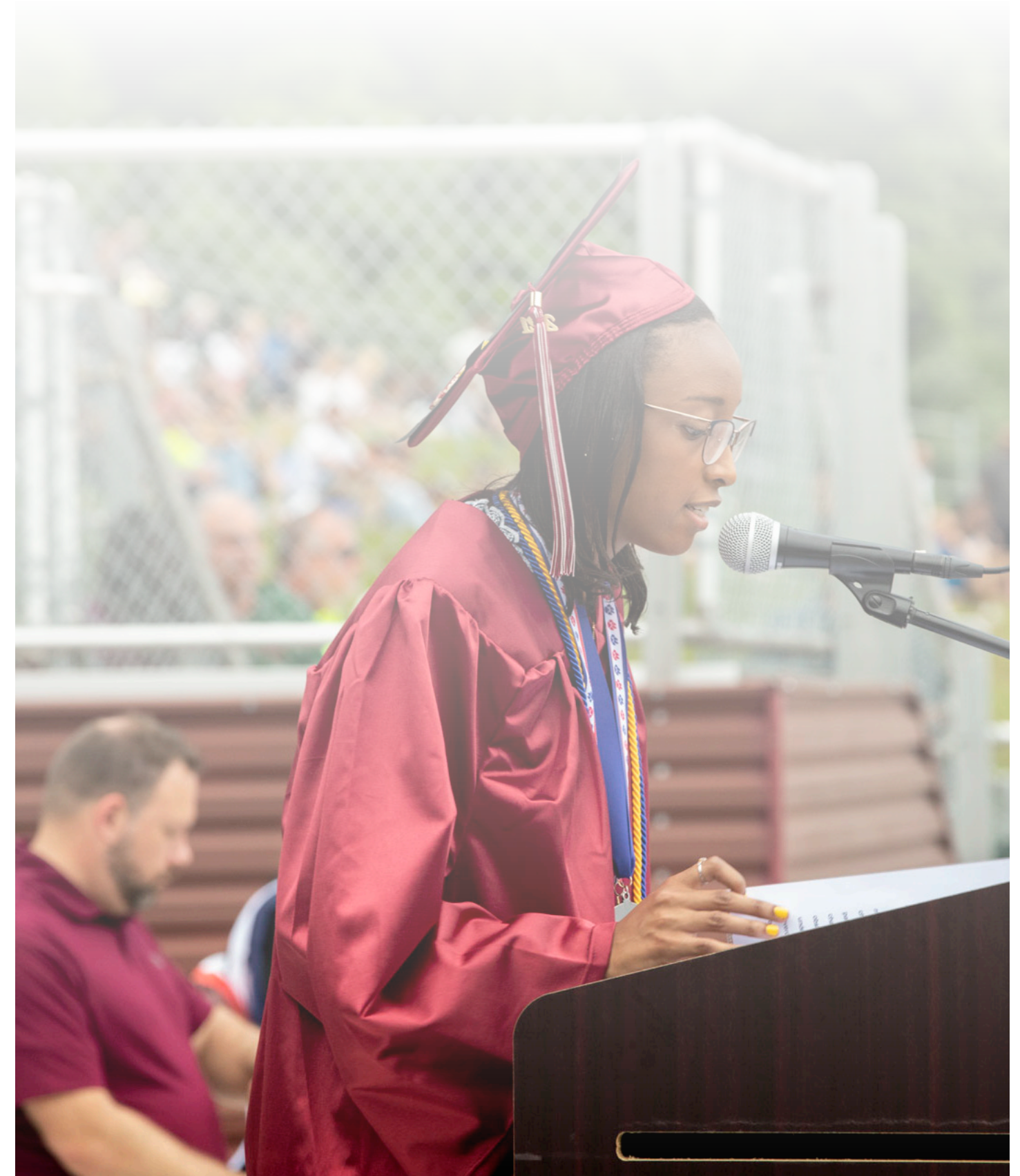
## The Problem Solver

- Uses relevant information and technology to solve problems
- Collaborates with others to generate new and unique solutions
- Designs questions, makes predictions, generates data and collects information
- Analyzes and evaluates data and information to draw conclusions
- Identifies patterns, trends and relationships in order to generate solutions
- Perseveres even in the face of failure, obstacles and challenges
- Recognizes the need for specific, accurate, reliable information when making decisions and setting a course of action
- Applies knowledge to set personal, intellectual and professional goals
- Applies knowledge in new and unfamiliar contexts
- Demonstrates initiative and independence
- Demonstrates flexibility, including the ability to learn, unlearn and relearn
- Demonstrates reliability and concern for quality



# Graduation Requirements

Humanities	9 total credits
English	4 credits: <ul style="list-style-type: none"> <li>English I</li> <li>English II</li> <li>English III or AP English Language</li> <li>English IV or AP English Literature</li> </ul>
Social Studies	3 credits, including: <ul style="list-style-type: none"> <li>U.S. History or AP/ECE U.S. History</li> <li>Civics or AP U.S. Government and Politics</li> </ul>
Fine Arts elective	1 credit
Additional Humanities elective	1 credit in English, Social Studies, Fine Arts, World Language
Science, Technology, Engineering & Math	9 total credits
Math	3.0 credits, including Algebra I
Science	3 Credits, including at least one course each in: <ul style="list-style-type: none"> <li>Physical science (Matter and Motion, Chemistry)</li> <li>Life science (Biology)</li> <li>Earth science (Geophysical Science, AP Environmental Science, or Environmental Science)</li> </ul>
STEM electives	2.5 credits in Applied Education, Math, or Science
World Language	1 credit
Health and Wellness	1 credit of PE, 1 credit of health
<b>Financial Literacy</b>	<b>1/2 credit (Class of 2027 and beyond)</b>
Community service	.25 credits, earned by completing 25 hours of service
Additional credits	2.25, earned through a combination of coursework, community service, or work experience
<b>Total Credits Required for Graduation</b>	<b>25</b>



# Academic Expectations

All students in grades 9, 10, and 11 must maintain a minimum of six (6) credits; students in 12th grade must maintain a minimum of five (5) credits. Each course carries a credit value based upon the number of hours that it meets. Full year courses are usually assigned a 1.0 credit and semester courses are assigned a .5 credit; some AP and early college courses meet for a double block, and are assigned 2 credits.

Typically, students are enrolled in one credit each of English, math, science, and social studies, with the remaining credits each year comprised of elective offerings in Applied Education, World Language, Fine Arts, and/or electives in the core subject areas.

**In order to earn credit in a course, a student must earn a grade of 70 or above *and* not exceed the unexcused absence limit (4 in a semester, 8 in a full year). Students must earn a total of 25 credits in order to graduate (more specific subject-area requirements are detailed on page 6).**

Naugatuck High School uses a common grading system across each course. Summative assessments - which are typically major projects, tests, or papers that give students opportunities to demonstrate what they know and can do towards the end of a unit of learning - count for 60% of each course's grade. Interim assessments - which are typically smaller assignments or quizzes that show a student's progress during a unit of learning - count for 30% of each course's grade. Midterm and final exams count as 10% of a course's grade.

# Course Levels

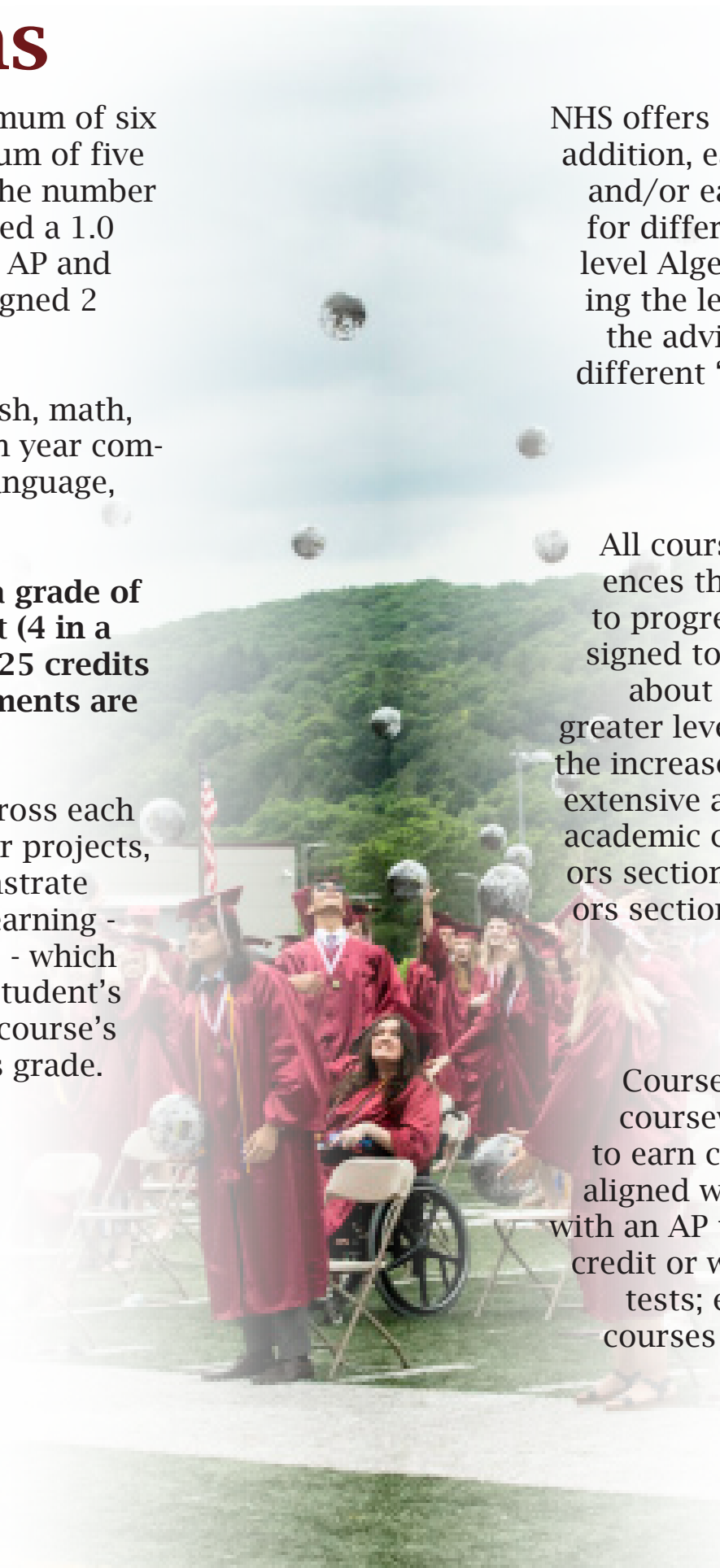
NHS offers courses at the Honors and Academic levels in grades 9 - 12. In addition, each subject area has offerings at the Advanced Placement (AP) and/or early college level. A student may be enrolled in different levels for different courses (e.g., AP English, Honors Chemistry and Academic level Algebra II). A variety of factors should be considered when selecting the level of a course, including student interest, academic load, and the advice of their teachers and school counselor. Each level carries a different "weight," which along with the grade earned are used to determine the student's grade point average.

## Honors courses

All courses at Naugatuck High School are rigorous, challenging experiences that will prepare students for college and provide opportunities to progress toward the Vision of the Graduate. Honors courses are designed to further challenge students who are interested and passionate about a particular subject area by exploring content and concepts in greater levels of depth and complexity. To facilitate this exploration and the increased pace required, success in honors courses may require more extensive and independent reading, writing, and problem-solving than in academic courses. Courses in some subject areas will have separate honors sections, based on course requests; in courses where a separate honors section does not exist, students will be eligible to earn honors credit by fulfilling an honors contract.

## Advanced Placement

Courses offered at the AP level are designed to replicate the rigor of coursework at the university level, and offers a pathway for students to earn college credit while still enrolled in high school. AP courses are aligned with curriculum developed by the College Board, and culminate with an AP test administered in May each year. Colleges may either award credit or waive requirements based on how a student performs on these tests; each college has different policies on AP credit. Students in AP courses are expected to sit for the corresponding AP test administered in May.



# Naugatuck High School

## UConn Early College Experience (ECE)

UConn Early College Experience (ECE) is a concurrent enrollment program that allows high school students to take UConn courses at their high school for high school and college credit. UConn ECE courses are equivalent to the same course at the University of Connecticut, and instructors have been certified as adjunct faculty by the university. Students who successfully complete these courses are awarded UConn credits, which are transferable to most other colleges and universities. In ECE courses, students learn college level content and concepts in courses that are structured in the same way as they would be at the university level.

UConn charges a fee of \$150 per ECE course; fees are waived for any student who qualifies for free or reduced lunch. If a student does not qualify but the cost of courses represents a significant financial burden, other sources of assistance are available.

# University Partnerships

## Southern Connecticut State University Early College

Through a partnership with Southern Connecticut State University, Naugatuck High School students are eligible to take SCSU courses at no cost. Students who successfully complete courses will earn both SCSU credits, which are transferable to most other colleges and universities, as well as NHS credit in the related subject area. Students may take up to 3 courses at SCSU during high school, making this an excellent pathway for students who wish to earn college credit while in high school and/or explore subjects not taught at NHS. More information on how to enroll is available from your school counselor.



# Naugatuck High School

## Course Selection

Course selection typically begins near the end of the first semester:

- Prior to course selection, teachers in each subject area make recommendations for students for the next school year. These recommendations are based on a student's level of mastery, habits of learning, and interest in the subject.
- Students and families will receive the Program of Studies for the coming school year, along with detailed information about the registration process and a course selection worksheet, about 2 weeks before course selection day.
- Course requests are entered online through Powerschool. During online registration, students are able to register courses they have been recommended for, in addition to any electives available for their grade level.
- Between late February and early April, each student will have a scheduling meeting with their school counselor to review course requests and ensure those requests are aligned with graduation requirements and post-secondary plans. Counselors will also review course levels each student has requested, and if a student is interested in a course at the honors or AP level that they have not been recommended for, share information about the override process.
- In some cases, a course may not meet the minimum requests (15) for it to run. In such cases, counselors will review other options that will fulfill graduation requirements.
- Students will receive their schedules for the following year in early May, with opportunities to meet for schedule changes prior to the end of the school year.

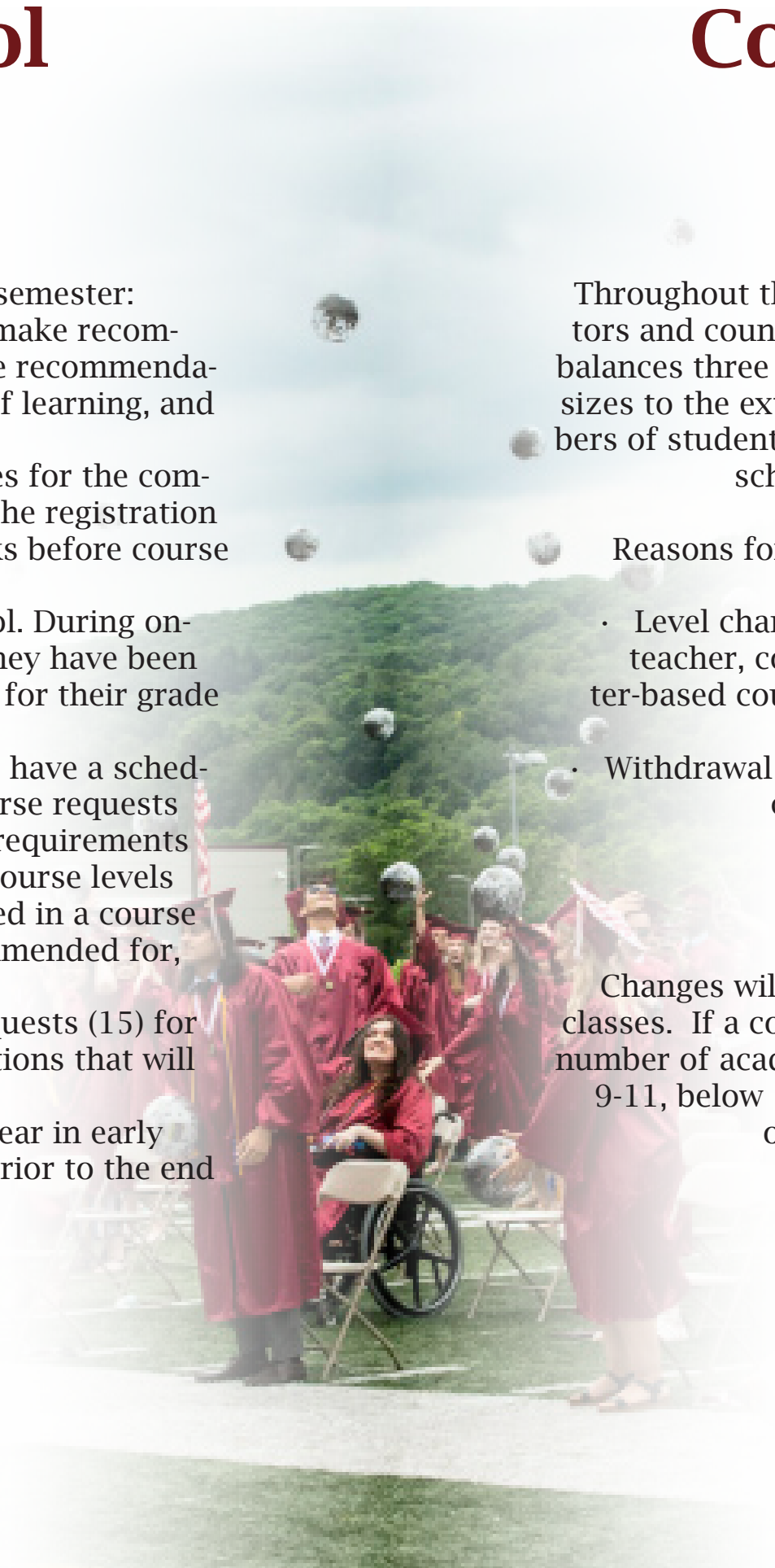
# Course Registration and Scheduling Schedule Changes

Throughout the course registration and scheduling process, administrators and counselors make every effort possible to create a schedule that balances three priorities: maximizing courses offerings, minimizing class sizes to the extent possible, and creating sections that have similar numbers of students. In order to maintain a schedule that serves all students, schedule changes will be limited once the school year begins.

Reasons for a schedule change after the start of the school year must meet one of the following qualifications:

- Level change as mutually discussed and decided upon with student, teacher, counselor and/or parent within 20 school days for a semester-based course and by the end of Q1 for a full year course. (see counselor for form)
- Withdrawal from course to a study hall as mutually discussed and decided upon with student, teacher, counselor and/or parent
  - Need to fulfill a graduation requirement
  - Completed summer school course/credit earned
  - PPT/504 mandated change

Changes will NOT be made to switch teachers or period assignment of classes. If a course change would remove a necessary course, reduce the number of academic courses to an unacceptable level (below 6 for grades 9-11, below 5 for grade 12), or be implemented for the sole purpose of obtaining early dismissal, the request will not be approved.

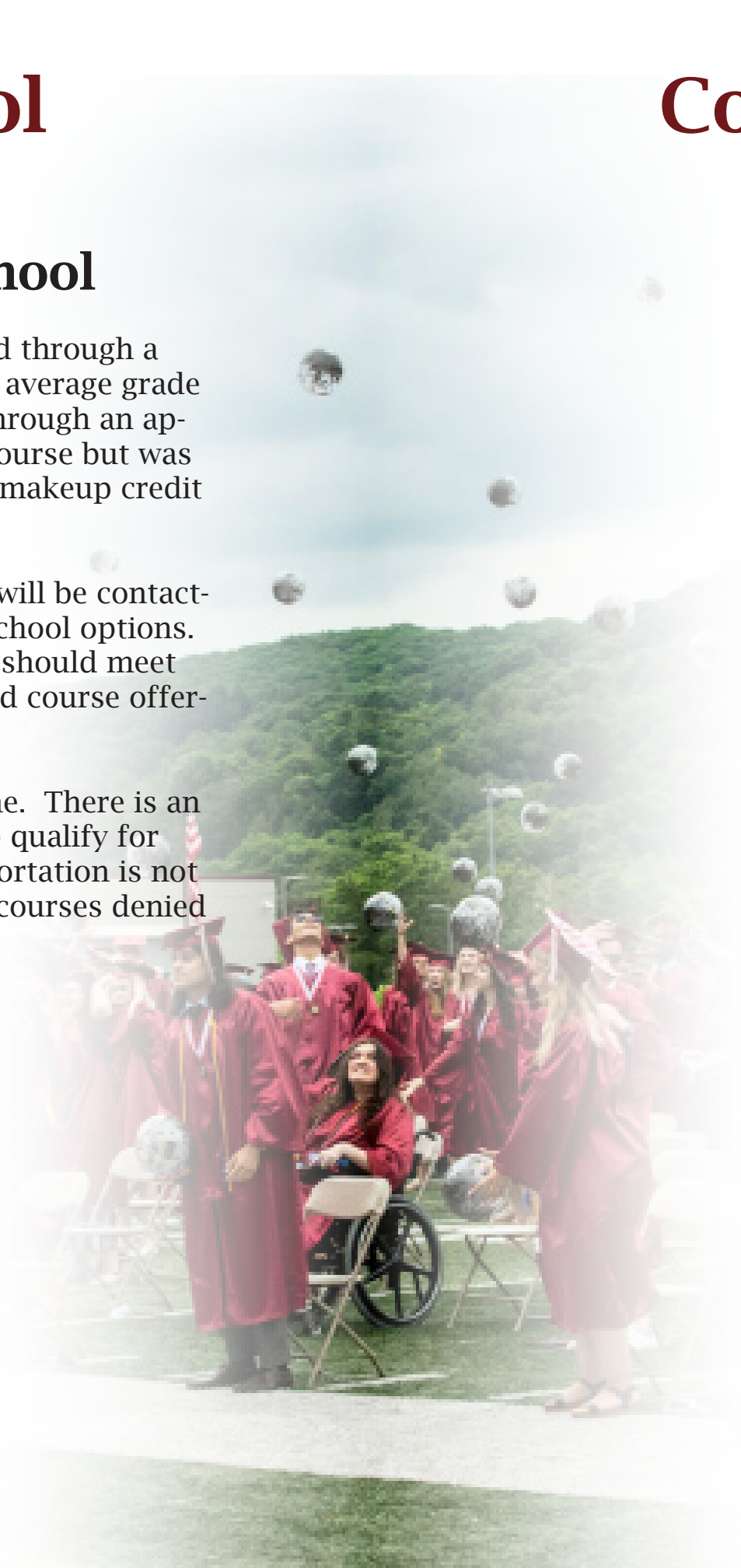


## Credit Recovery and Summer School

To be eligible to register for makeup credit courses offered through a summer school program, a student must have received an average grade of no less than 50%. A student may also make up credit through an approved summer school course if he or she passed a NHS course but was denied credit due to unexcused absences. Summer school makeup credit may not exceed the credit value of the failed course.

Families of students in danger of failing required courses will be contacted by their school counselor in early May about summer school options. In addition, students who believe they are failing a course should meet with their school counselor to learn about the schedule and course offerings

Sign-ups will take place during the months of May and June. There is an associated cost for summer school, however students who qualify for free or reduced lunch are eligible for a fee waiver. Transportation is not provided. Credits can be recovered for failed courses and courses denied credit due to absences.



## School Counseling Services

School counseling services are available to all students and conferences may be initiated by the student, parents/guardians or teacher. All counselors work as facilitators in conjunction with administrators, resource personnel, teachers and parents/guardians. Counselors are available to assist all students in attaining the optimal academic, college and career, and social and personal growth as he/she progresses through high school. All members of the counseling staff provide academic, college and career, and personal counseling services to their students.

The School Counseling Office offers a variety of educational directories and guides, college catalogs, financial-aid information, and test and career materials for the use of students, teachers and parents/guardians. The counselors offer assistance with any of the following additional services:

- **College and Scholarship Applications:** Students who have submitted applications should notify the School Counseling Office for processing (allowing approximately two weeks). Applications are processed in the School Counseling Office on a first-come first-served basis; therefore, careful planning to meet due dates is essential. We encourage every student to explore post-secondary opportunities before, as well as during, their junior and senior year.
- **Records and Transcripts:** Records are maintained and available to students upon request and proper authorization. Records are used for counseling, research, instructional, educational and personal planning. A transcript is an official academic record. It is composed of courses taken, grades earned in these courses, and class rank. A transcript is generally requested as a part of applications for college, scholarships, jobs or military service. A request for a transcript must be done through Naviance and accompanied by a written authorization from a parent or guardian if the student has not reached the age of 18. No transcript will be issued without written authorization.

## College and Career Center

The College and Career Center (CCC) works with the School Counseling department to offer students an extensive toolkit for college and career planning; hosts college and career speaker visits; and coordinates opportunities for students to visit area post-secondary institutions. Students can access various college and career information resources, find applications, develop a resume, and seek job shadow opportunities. Students can also obtain scholarship and financial aid information, and register online for the upcoming SAT and ACT tests. Family Connections at NHS powered by NAVIANCE is a web-based guidance program that assists students, parents/guardians, and counselors in discovering college and career choices. Visit the CCC to receive assistance with your NAVIANCE account. Extended Learning Opportunities, similar to an internship, are made available to students based on student interest and placement openings. The CCC posts hours weekly. The College and Career Center also oversees community service and is a resource for community service opportunities.

## Naviance

The Counseling Office uses Naviance to assist students in managing the college and career planning process and establishing Student Success Plans (SSPs). Naviance is a comprehensive website that students can use as a tool to identify their interests and research careers, college majors and potential schools.

While Naviance can be used by younger students as a tool in long-term course and career planning, it is also necessary for the NHS college application process as a junior and senior. It provides students with an opportunity to explore colleges and careers and understand the process and criteria for admissions based on the results of past NHS applicants. Naviance and The Common App work together for submission of college application materials. Announcements of various events and opportunities related to college and career planning will also be sent out through Naviance.

## Special Services

The NHS Special Services programs provide a continuum of services designed to meet the needs of students with identified exceptionalities. Through an Individualized Education Program (IEP), students have opportunities to reach their full academic and social potential in the least restrictive environment possible.

### Individualized Vocational Program:

The Individualized Vocational Program is designed to meet the academic and functional life skills needs of students. Students participate in general education settings for a variety of experiences with the general focus on learning to become the best self advocate they can be. Students become a Responsible Citizen in the community of which they live; innovate by being curious and taking risks in school, in their individualized courses and in the inclusion setting; communicate by expressing their needs and advocating effectively; research to meet future goals and effectively utilize technology in classes to connect to real world experiences; demonstrate informed thinking to understand and evaluate knowledge based on exposure to resources and to contribute to their planning for their future goals; and have the ability to problem solve for themselves the daily tasks necessary to be as independent as possible upon graduation. There will be an emphasis on functional math, English and reading.

### The Community Program:

The Community Program services students 18 years of age through their 22nd birthday who require additional transition support services as recommended by the PPT process. Students continue to practice skills developed in Problem Solving, Communicating, Responsibility and Risk-taking and in meeting future goals. The program integrates functional life skills with community, recreational and leisure opportunities and experiences. The program includes a strong vocational component consisting of employment skills, on-the-job training, and situational assessments. Inter-agency collaboration is ongoing with the Department of Developmental Services (DDS), Bureau of Rehabilitative Services (BRS), and other state agencies. Students who are connected to these services will have a transition meeting to bridge services when they exit the program.

### Mental Health Services:

The School Psychologist is part of a team whose purpose is to provide students with the best possible educational experience. The psychologist provides group and individual counseling services for students when appropriate, and is available for parent/guardian consultation and maintains contact with outside therapists, physicians, and agencies that work with our students.

### Resource Lab:

The Resource Lab program is designed to support students in the regular educational setting with modifications or accommodations that are deemed necessary by the Planning and Placement Team (PPT). Individualized instructional techniques to enhance the learning experience are provided in small groups by specialized personnel. Students learn to communicate for a variety of purposes; they take risks and learn to be curious about their educational settings; they act ethically and responsibly; they analyze and evaluate information; and reflect critically on learning and life experiences to seek out opportunities for educational growth as it relates to competencies and postsecondary planning. Ongoing contact is maintained with students' content area teachers. Post-Secondary Transition planning is a critical component of the program. Individualized programming may be provided as determined by the PPT.

### Skills For Life:

In the Skills for Life program, students participate in the general education setting for a variety of educational experiences with the general focus on learning to become the best self-advocate they can be. Students are supported and encouraged to be an active participant in their school and community. They are supported to conduct research to meet future goals and effectively utilize technology in classes to connect to real world experiences. Students can participate in the Best Buddies Programs and the Unified Sports Team. The students have needs that are addressed by specific, individualized programs developed to promote independence. Students not enrolled in the program can volunteer for community service credit and for career exploration.

# Naugatuck High School

# Student Support Services

## Social Work Program:

The Social Work Program is designed to provide support services to students who are at risk, in crisis, or who have been identified as in need of support through the PPT process. Individual and group counseling are major components of this program. In addition, an important aspect of this program is crisis intervention for students and their families. The Social Worker also provides family counseling, when appropriate, and serves as a liaison to outside agencies (e.g., Naugatuck Youth Services, Waterbury Youth Services) that work with Naugatuck High School and students' families. The Social Worker is an integral part of the Planning and Placement Team (PPT) meeting, the Crisis Team and the MTSS Team.

## Speech And Language Services:

Speech and Language Services are provided for students who have been identified as requiring them through the PPT process. The speech/language pathologist consults with teachers and other professionals to provide information regarding communication needs and strategies, which can serve as additional support for students.

## ACCESS (Achieving Class Credits, Enhancing Social Skills):

The Mission of this program is to ensure that all students have the necessary support to work at their own pace in order to access the characteristics of the Vision of the Graduate. Students are working at a level of personal achievement to earn educational credits, solve problems to enhancing social skills, learn responsibility for the decisions they make, and strategically communicate to get their needs met so that they can meet with success in the community of Naugatuck High School as well as the community at large.

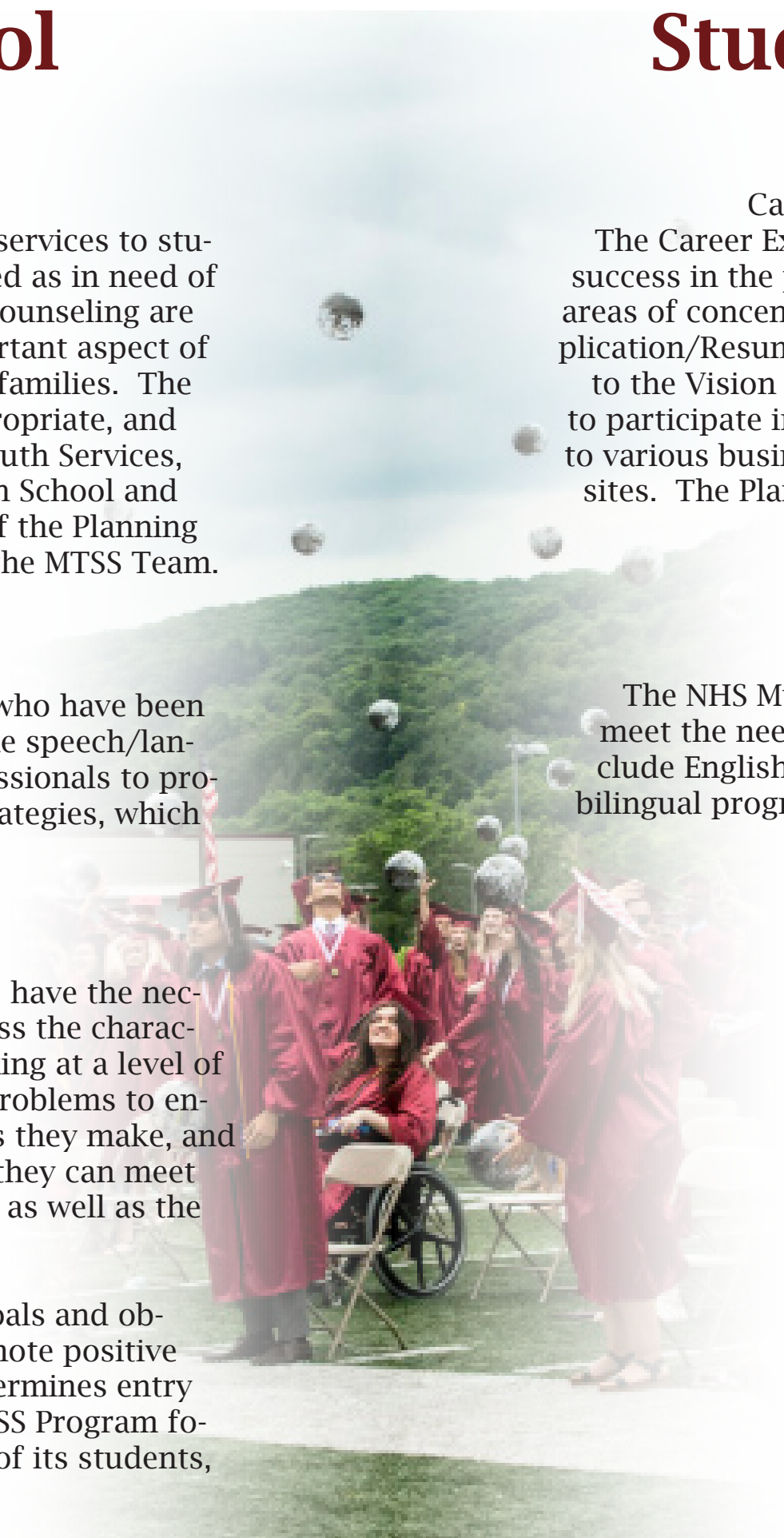
Each class is individualized and structured to meet the goals and objectives of the Individual Education Plan (IEP) and to promote positive self-esteem. The Planning and Placement Team (PPT) determines entry into the program on a full- or part-time status. The ACCESS Program focuses on the academic learning and the emotional needs of its students, enhanced by a strong behavioral component.

## Career Exploration Program for Transition Support Services:

The Career Exploration Program teaches students the skills needed for success in the postgraduate environment. The program consists of four areas of concentration: Self Advocacy, Job Skills/Expected Behaviors, Application/Resumes, and Interviewing Skills. These skills are clearly linked to the Vision of the Graduate by providing students with opportunities to participate in weekly community field trips, which introduce students to various businesses, local post-secondary institutions, and recreational sites. The Planning and Placement Team (PPT) determine entry into the program on a half- or full-year basis.

## Multilingual Learners

The NHS Multilingual Learner program provides services designed to meet the needs of students learning the English language. Services include English for students of other languages, Spanish and Portuguese bilingual programs, and tutoring. Services are provided to students who qualify based on state criteria.



# English Department

Students are required to take four years of English. The English Department implements a competency-based curriculum for each course which promotes the Vision of the Graduate and an appreciation for literature and lifelong learning. Each curriculum is divided into specific units of study that focus on essential questions, enduring understandings, and knowledge and skills. Courses offer authentic performance assessments that promote an application of skills.



# English Courses at a Glance

Students need 4 English credits in order to graduate that include:

9th Grade	10th Grade	11th Grade	12th Grade
English I (Honors or academic)	English II (Honors or academic)	English III (Honors or academic)	English IV (Honors or academic)
	Language Liberation	AP English Language and Composition/ECE College Composition	AP English Literature Language Liberation
		Language Liberation	

\*Language Liberation is intended for students identified as English language learners

In addition, the English department offers a wide variety of electives open to all students in grades 11-12:

1 Credit Electives (grades 10-12)	1 Credit Electives (grades 11/12)	.5 Credit Electives (grades 11/12)
Journalism I	Journalism II/SCSU Media	British Literature Creative Writing Ethics Film Studies and Literature Gender and Sexuality in Literature and Media History of Drama Playwriting Public Speaking Acting I Acting II

# Naugatuck High School

## English I

Levels: Honors / Academic  
Prerequisites: None  
Credit Value: 1.0  
Terms offered: Full year  
Open to grades: 9

This competency-based course is designed to foster the reading, writing, listening, speaking, language, and thinking skills necessary to be college and career-ready. Students will be required to read, analyze and synthesize across literary and informational texts, write for multiple audiences, tasks, and purposes, listen and speak in collaborative discussions with their peers, and demonstrate a solid command of the English language.

At the honors level, students build independence in their critical thinking about literary forms. Persuasive writing and literary analysis are emphasized. Students will read a variety of literary and non-fiction texts. Students are expected to show a high level of independence and motivation at the honors level.

## English II

Levels: Honors / Academic  
Prerequisites: English I  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 10

This course builds upon the work of English I in order to further develop students' mastery of English language arts. Using competency-based standards, students engage in the comprehensive study of literary elements, techniques, and universal themes through a sampling of literature from various time periods and at varying levels of complexity. In class, students will write and analyze writing for a variety of purposes. They will also be exposed to the qualities of productive self-revision, student-led discussions and brainstorming in order to grow their initiative and independence.

# English Department

## English III

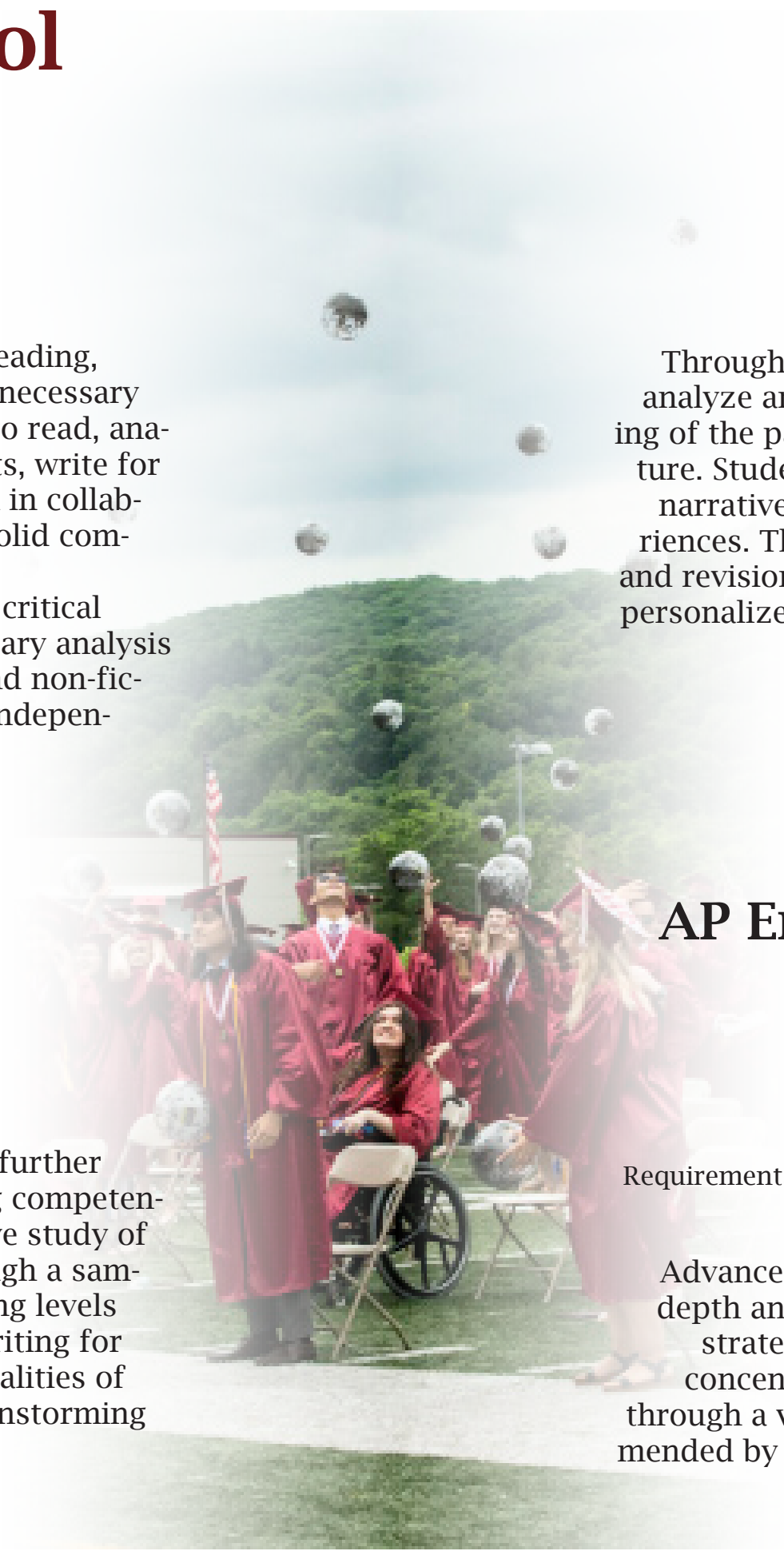
Levels: Honors / Academic  
Prerequisites: English II  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 11

Through the study of both classic and modern texts, students will analyze and evaluate literature to demonstrate how an understanding of the past promotes an understanding of the present and the future. Students will compose persuasive, expository, descriptive, and narrative writings that demonstrate critical reflection on life experiences. They will improve their writing skills through collaboration and revision. Students will explore universal themes in literature and personalize these themes to ponder their own lives and the power of their decisions.

## AP English Language & Composition/ ECE College Composition

Level: Advanced Placement  
Prerequisites: English II  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 11  
Requirements: AP Exam Fee required (Fee Waivers available to eligible students), summer work assigned

Advanced Placement Language and Composition focuses on an in-depth analysis and evaluation of writing techniques and rhetorical strategies in fiction and nonfiction works. In addition, students concentrate on developing their own writing technique and style through a variety of essays, including a researched argument recommended by the AP College Board. Upon successful completion of this course, students will earn university credit from UConn.



# Naugatuck High School

## English IV

Levels: Honors / Academic

Prerequisites: English III or AP English Language and Composition

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 12

In this competency-based course, students will hone their reading, writing, and critical thinking skills through a comprehensive exploration of memoirs, personal narrative, essays, and novels that portray the development of identity: personal identity, societal identity, identity in crisis and an identity of social justice. They will engage with diverse perspectives based on race, sexuality, ethnicity, class, culture and gender within these texts. Students will write narrative, argumentative, and expository pieces. In doing so, students will investigate what makes them who they are in this ever changing and dynamic global society. As students read, write, analyze and discuss they will explore the formation of the self through task based learning, student-directed questioning, Book Club participation and engagement, seminar approach to literary discourse and presentation.

## AP English Literature & Composition

Level: Advanced Placement

Prerequisites: English III

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 12

Requirements: AP Exam Fee required (fee waivers available to eligible students), summer work assigned

This course builds upon the work of English I in order to further develop students' mastery of English language arts. Using competency-based standards, students engage in the comprehensive study of literary elements, techniques, and universal themes through a sampling of literature from various time periods and at varying levels of complexity. In class, students will write and analyze writing for a variety of purposes. They will also be exposed to the qualities of productive self-revision, student-led discussions and brainstorming in order to grow their initiative and independence.

# English Department

## Acting I

Levels: Academic

Prerequisites: None

Credit Value: 0.5

Terms offered: S1, S2

Open to Grades: 10, 11, 12

These year-long courses will explore the progression of theater as an art form and introduce students to the art of acting. Students explore storytelling, movement, voice, diction, and character interpretation. Classwork focuses on acting technique, ensemble work, monologue, and scene work to help challenge and strengthen student's skills and explore a variety of acting and interpretive techniques.

## Acting II

Levels: Academic

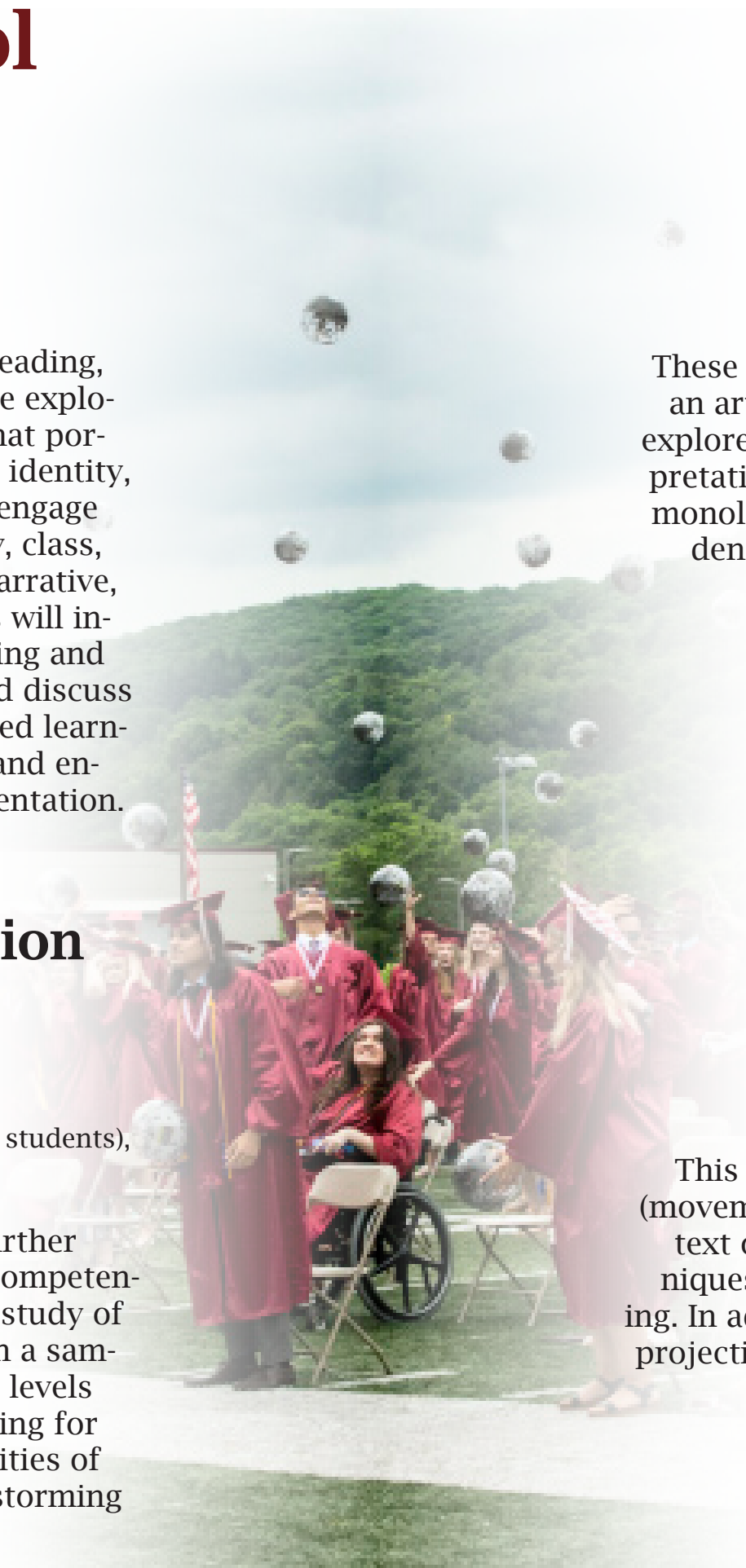
Prerequisites: Acting I

Credit Value: 0.5

Terms offered: S1, S2

Open to Grades: 11, 12

This course builds upon the basic techniques learned in Acting I (movement, voice, and emotion) and places them in the larger context of formal methods of acting. Students will learn about techniques from the Classical, Method, and Expressive schools of acting. In addition, students learn the basics of physical comedy, vocal projection, and stage direction. The course will culminate with student-run performances at the end of the school year.



# Naugatuck High School

## British Literature

Levels: Academic

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

In this competency-based semester course, students will explore British Literature from the Anglo-Saxon period to the present. Students read, analyze and evaluate the literary elements and techniques of poetry, drama, novels and short stories as well as nonfiction works. Students will create and publish original works, share their interpretations and evaluations through written literary analysis, and develop a critical awareness of the power of rhetoric.

## Creative Writing

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

In this competency-based semester course, students explore writing as an art. Students read, analyze, evaluate, and create works of fiction, nonfiction, poetry and drama. Throughout the semester, students will create a portfolio of work. This course provides the time, instruction, skills, practice and peer evaluation necessary to pursue meaningful creative writing. At times and as needed, students will be reading and analyzing literature in order to apply literary devices to their own original works. Student assessment is based on growth in writing and final writing assignments, including a final portfolio presentation.

# English Department

## Film Studies and Literature

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

In this competency-based semester course, students will critically view films that enhance their study of a variety of subjects. Students explore and examine representations within film and how different genres deliver various messages for targeted audiences. This course will also explore how sound and music contribute to a work's message and intent. Students are introduced to a variety of movies, including silent film, feature length film, documentary, the adaptation of fiction into film, and animation. Students will become familiar with film language as well as production techniques. Assessments can include class discussion, writing a critical review of a film, an oral presentation on a film selected by the student, and developing a screenplay and original film production.

## Journalism I

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 1

Terms offered: Full Year

Open to Grades: 10, 11, 12

Journalism is designed to be a writing course. This course offers students the opportunity to write for and create a school newspaper. Students are involved in all aspects of producing a digital school newspaper: researching and writing articles, interviewing sources, editing, writing headlines, layout design, photography and desktop publishing. This is a hands-on learning experience. Student reporters will also read, discuss and analyze current events and the way the media handle and relay those events to the public. Students with a serious interest in and would like to continue an advanced study of Journalism may enroll for a second and third year of Journalism, with the option in one advanced year to earn college credit.



# Naugatuck High School

## Public Speaking

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

In this competency-based semester course, students focus on all matters of public speaking, from the informal impromptu speech to the formal presentation and interview. Public Speaking is a comprehensive communication course designed to help students face the challenges of public speaking for a variety of purposes and to a variety of audiences. The class is organized around creating effective presentations in various formats and the audience awareness these forums require.

## Playwriting

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 10, 11, 12

This half-year course will analyze the physical, emotional, and social dimensions of characters found in dramatic texts from various styles and media. Students create characters consistent with a variety of styles, including classical, contemporary, and realistic/non-realistic dramatic texts in informal/formal theater, film, television, or electronic media productions. Students produce and refine a complete one-act play.

# English Department

## SCSU Journalism: Media, Freedom, and Power

Level: Dual enrollment

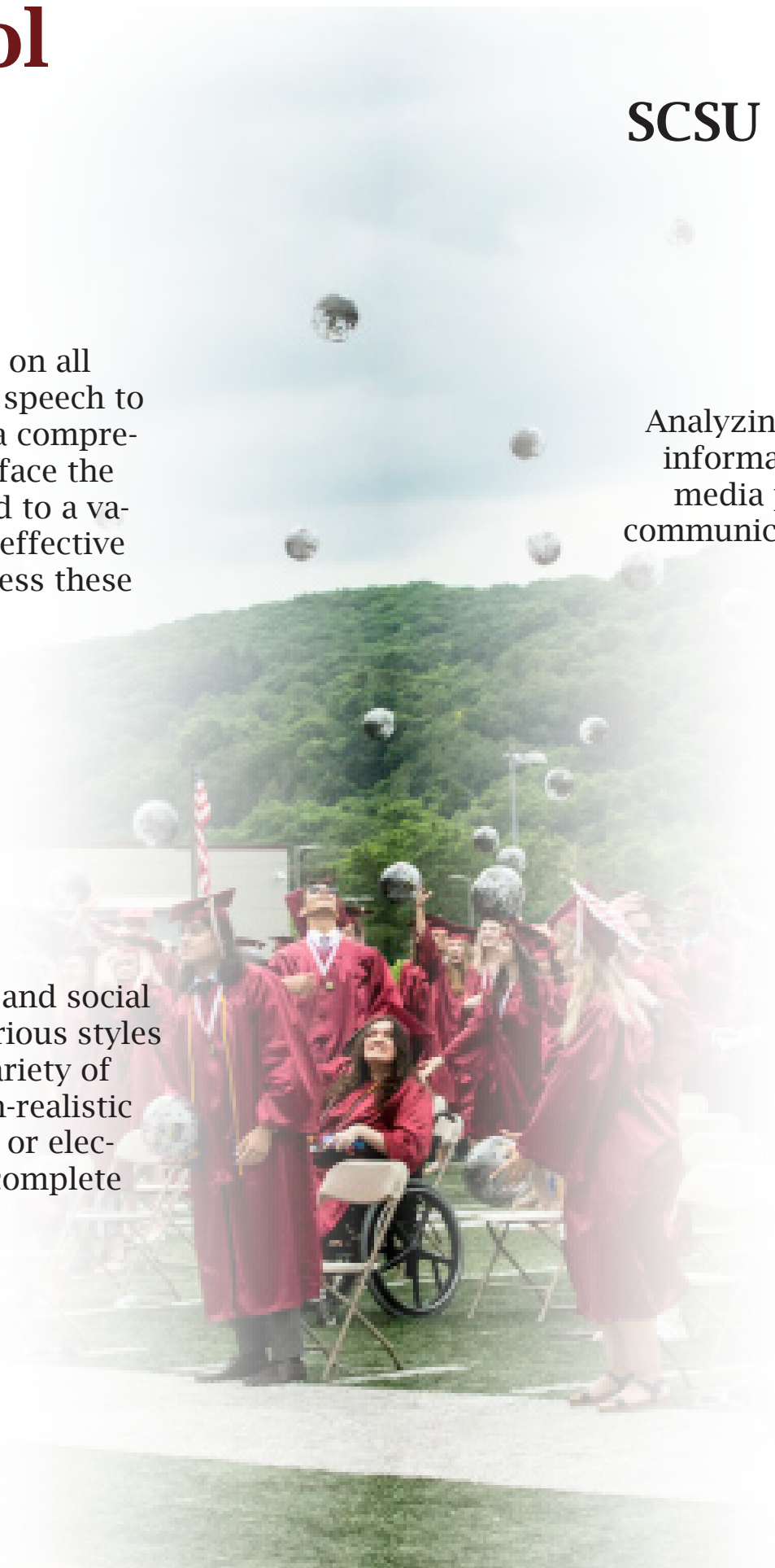
Prerequisites: Journalism 1

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 10, 11, 12

Analyzing how the media, including the Internet, provide news and information to the public with emphasis on the First Amendment, media power, ethics and taste. Develops skills in written and oral communication. Students who successfully complete this course will earn university credit from SCSU.



# Social Studies Department

Students are required to take three years of Social Studies, including one year of U.S. History and a half year of Civics. Most students take World Civilizations in their freshman year, followed by U.S. History in their sophomore year. Students take Civics, as well as at least one Social Studies elective, in their junior and/or senior years. All core courses are offered at the academic and honors levels. The department offers Advanced Placement courses in American History, Human Geography, Psychology, and U.S. Government and Politics. In conjunction with UCONN and SCSU, dual enrollment courses are offered in American History, European History, Asian American Studies, Human Rights, Psychology, American Government, and Genocide Studies. The study of history, civics, and the social sciences teaches students to evaluate the significance of historical events and current political and social situations from a historical perspective. The study of civics also encourages students to become responsible citizens capable of making informed decisions.



# Social Studies Courses at a Glance

Students need 3 social studies credits in order to graduate that include:

9th Grade	10th Grade	11th Grade	12th Grade
World Civilizations (Honors or academic)	US History (Honors or academic)	Civics	Electives
AP Human Geography	AP/ECE US History	AP US Government	
		Electives	

In addition, the Social Studies department offers a wide variety of electives:

1 Credit Electives (grades 10-12)	1 Credit Electives (grades 11/12)	.5 Credit Electives (grades 11/12)
AP Human Geography (also open to 9th grade)	AP Psychology	ECE Human Rights
Black and Latino Studies	AP/ECE European History	ECE Intro to Genocide Studies
	AP/ECE US History	American Popular Culture (also open to grade 10)
	AP US Government	Civil War
	ECE Introduction to Asian American Studies	Current Events and Issues
		Human Rights
		Psychology
		Understanding the Middle East
		Economics

# Naugatuck High School

## World Civilizations

Levels: Honors / Academic

Prerequisites: None

Credit Value: 1.0

Terms offered: Full year

Open to grades: 9

Through the World Civilizations course, students examine the history of human civilization beginning with the Renaissance and trace its development through modern times. Students study historical events, global trends and ideas, world religions, and economic and political ideologies with the goal of developing an understanding of the past in order to make sense of the world in which they live. In this course, students will grow as communicators by engaging in essay writing, oral presentations, research tasks, and projects. Through these tasks, students will evaluate evidence, develop arguments, analyze claims and beliefs, and explore alternative points of view.

## United States History

Levels: Honors / Academic

Prerequisites: None

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 10-12

In this course, students study the development of the United States from the late 19th century through the present. Students will analyze the causes and effects of significant events in United States history and evaluate the impact of these events in order to better understand the United States today. Students in the U.S. History class will become informed thinkers by analyzing and evaluating major political, judicial, and economic decisions and the factors that contributed to the development of the United States including immigration, technology, innovations, resources, world wars and government policies. Students will conduct research, analyze and evaluate primary and secondary source materials, and work collaboratively to create original narratives and presentations.

# Social Studies Department

## Civics

Levels: Honors / Academic

Prerequisites: None

Credit Value: 0.5

Terms offered: Semester 1, Semester 2

Open to Grades: 11, 12

The Civics course prepares students to become responsible citizens by participating actively in our democratic system. Students will develop civic literacy by exploring the structure and function of government at the national, state, and local levels. As part of the course, each student will learn to participate positively in our community and to develop real solutions to local problems and issues. Current events and contemporary and historic court cases that illustrate real-life application of the concepts covered in class will play an important role in teaching students to act ethically and responsibly in their role as citizens.

## AP Human Geography

Level: Advanced Placement

Prerequisites: None

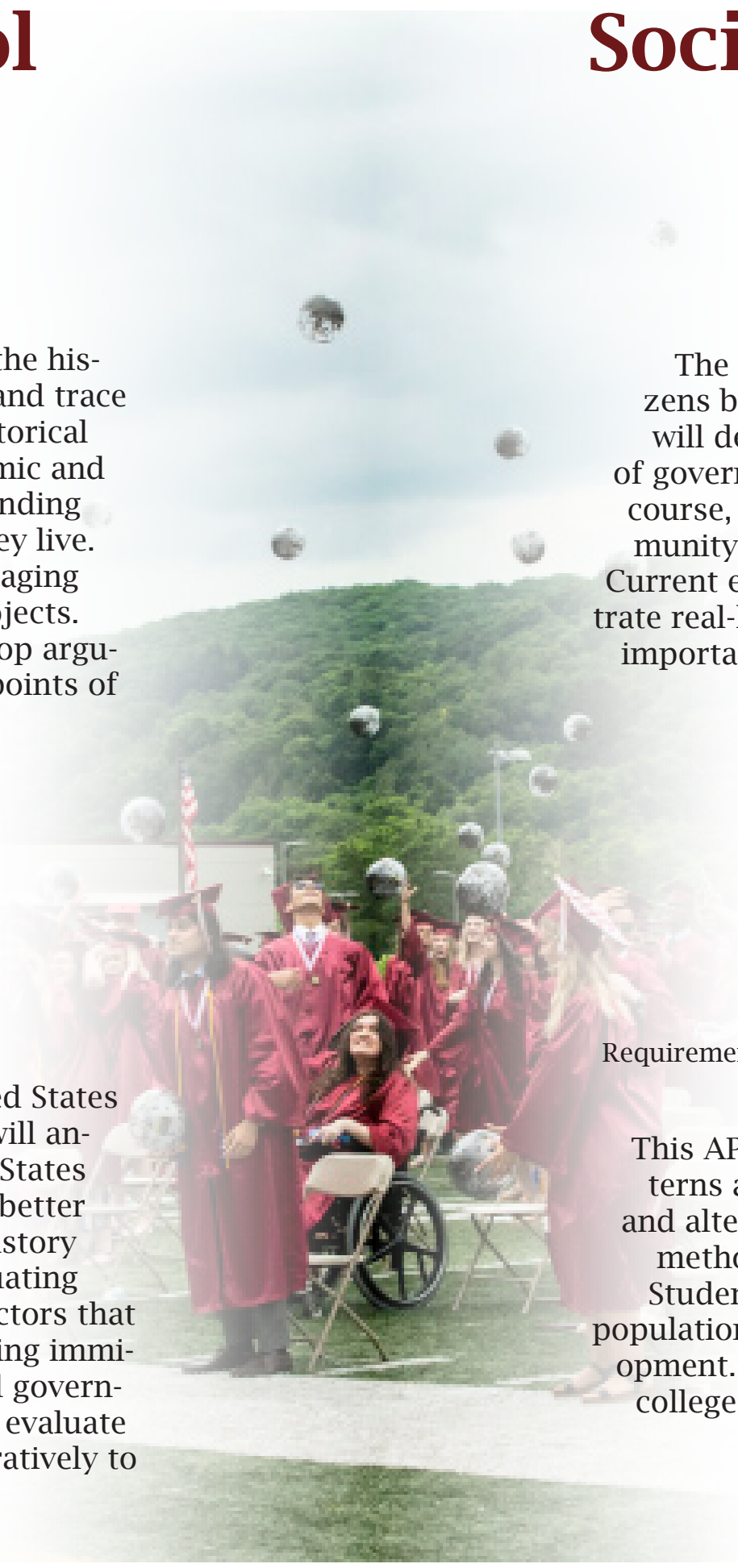
Credit Value: 1.0

Terms offered: Full year

Open to Grades: 9-12

Requirements: AP Exam Fee required (Fee Waivers available to eligible students), summer work assigned

This AP course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will also learn about the methods and tools geographers use in their science and practice. Students will expand their world view by exploring topics such as population, migration, urban and rural land use, and economic development. This course is equivalent to an introductory, one-semester college course. Upon completion of this course, students will take the Advanced Placement exam.



# Naugatuck High School

## AP/ECE US History

Levels: AP

Prerequisites: None

Credit Value: 1.0 (6 UConn credits)

Terms offered: Full year

Open to Grades: 10-12

Requirements: AP Exam Fee required (Fee Waivers available to eligible students), summer work assigned

This advanced course explores American History from the pre-Columbian period to the present. It is designed to be the equivalent of a college survey in US history and will emphasize both historical interpretation and the use of primary materials. Students will be expected to do weekly readings of historical articles in addition to reading the text and preparing a series of short papers. The curriculum is based on UCONN and Advanced Placement guidelines. Upon completion of this course, students may choose to take the Advanced Placement exam. This course fulfills the US History requirement.

## AP/SCSU U.S. Government and Politics

Level: Advanced Placement

Prerequisites: None

Credit Value: 1.0 (3 SCSU Credits)

Terms offered: Full year

Open to Grades: 11, 12

Requirements: AP Exam Fee required (fee waivers available to eligible students), summer work assigned

The AP United States Government and Politics course is designed to be equivalent to a one semester introductory college course. It introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Upon completion of this course, students will take the Advanced Placement exam. This course fulfills the Civics requirement.

# Social Studies Department

## AP Psychology

Level: Advanced Placement

Prerequisites: None

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 11, 12

Requirements: AP Exam Fee required (fee waivers available to eligible students), summer work assigned

This is an advanced course in psychology and is designed to be the equivalent of an introductory college course. The course will introduce students to the study of the behavior and mental processes of human beings. They will also learn about the methods psychologists use in their science and practice and explore topics such as the human brain, personality, development, and clinical psychology. The curriculum is based on Advanced Placement guidelines. Upon completion of this course, students will take the Advanced Placement exam.

## ECE Human Rights

Levels: UConn ECE

Prerequisites: None

Credit Value: .5 (3 UCONN credits)

Terms offered: S1 or S2

Open to Grades: 11, 12

Requirements: Summer work. UCONN fee required/fee waiver available to eligible students.

This Early College Experience (ECE) course offered in conjunction with UCONN will focus on identifying what our human rights are and how we protect them. The course will also examine human rights abuses that have occurred throughout history and that continue today. Students will work together to create solutions to ongoing human rights abuses across the globe. Meaningful debate and discourse will be an important feature of the class. Topics such as human trafficking, genocide, LGBT rights, women's rights and civil rights issues will be discussed. This course is designed to explore the global human rights issues facing the world today and how these issues impact not only the global community but also our local and state community as well. The curriculum for this course is based on the UCONN course.

# Naugatuck High School

## ECE Intro to Genocide Studies

Levels: UConn ECE

Prerequisites: None

Credit Value: .5 (3 UCONN credits)

Terms offered: S1 or S2

Open to Grades: 11, 12

Requirements: Summer work. UCONN fee required/fee waiver available to eligible students.

This Early College Experience (ECE) course offered in conjunction with UCONN provides students with an introduction to the study of genocide. The course will take a critical approach to understanding genocide and will avoid easy moralizing and distancing. The approach will be interdisciplinary and will explore the ways historians, psychologists, lawyers, political scientists and others have tried to understand genocide. Through this course students will have the opportunity to contribute to and/or develop practical efforts to commemorate, advocate against, and prevent the perpetration of genocide. The curriculum for this course is based on the UCONN course.

## American Popular Culture

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: Semester 1, Semester 2

Open to Grades: 10, 11, 12

Pop Culture is something that shapes every aspect of American society. We are surrounded by it whether it is the music we are listening to, the movies we are watching, or the TikTok's we are making. But what exactly makes something Pop Culture and what are its origins? This class will explore the evolution and impact of Pop Culture from the 1950's to today and dare to imagine what the future might hold. Some aspects of popular culture that this course will look at include music, film, theater, television, advertising, sports, fashion, design, toys, manga, comic books, video games, and social media.

# Social Studies Department

## Black and Latino Studies

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 10, 11, 12

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 United States. 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.

## Current Events and Issues

Levels: Academic (w/ honors contract option)

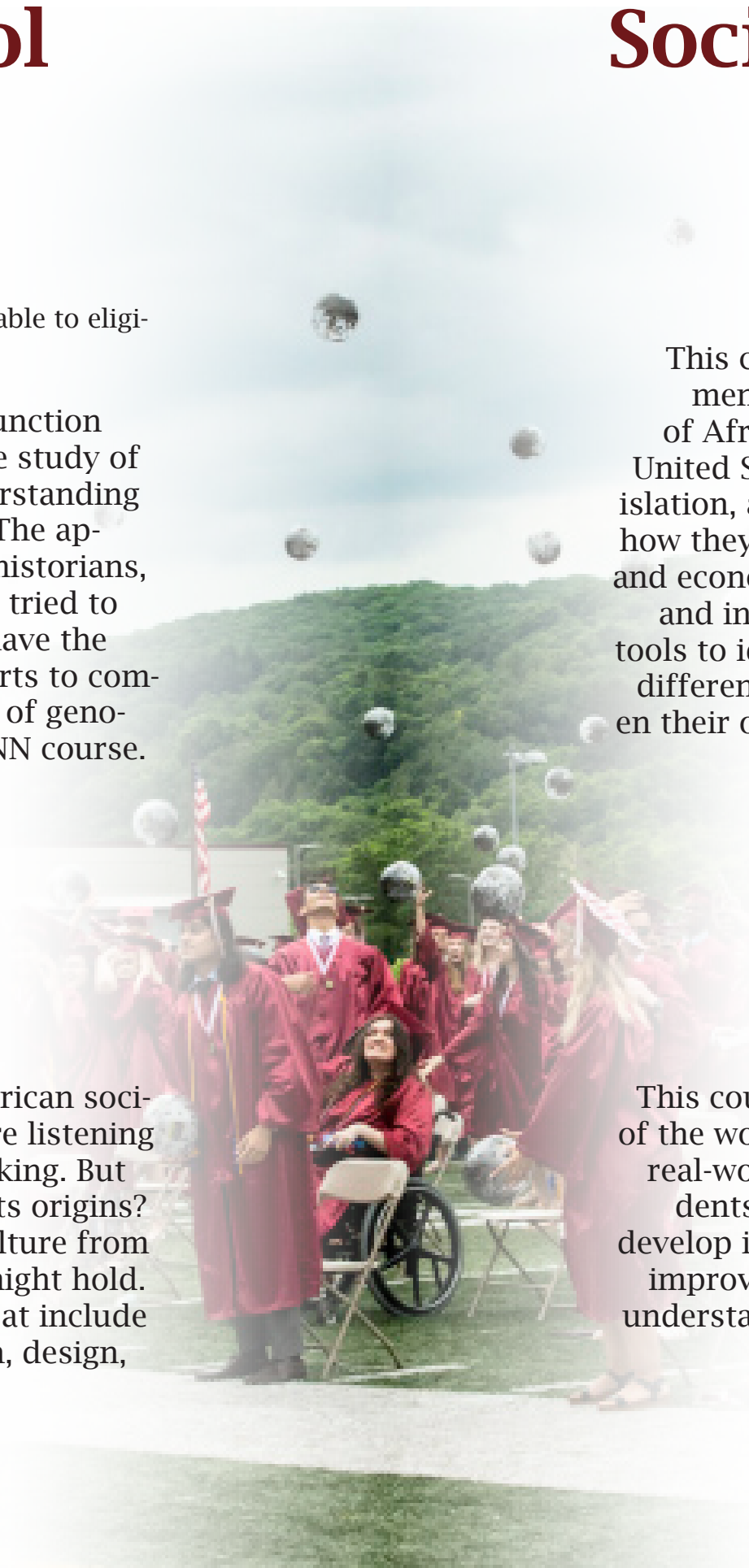
Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

This course is designed to provide students with an up-to-date view of the world around them. Emphasis will be placed on an analysis of real-world issues, which have direct impact on students' lives. Students will be encouraged to explore all sides of issues in order to develop informed positions of their own. Students will also focus on improving reading, writing, and conversational skills as a means to understand important issues and communicate their ideas and opinions to others.



# Naugatuck High School

## Economics

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: S1/S2

Open to Grades: 11, 12

Economics is the study of choices people and countries make in an effort to satisfy their wants and needs. Just as a high school student has limited resources (paycheck or allowance), so are nations' resources limited. This course will examine the different types of economic systems in use in the world today as well as the factors that influence economic decisions. This course is designed to introduce students to the financial world. Students will have the opportunity to learn investment strategy by playing the nationally acclaimed Stock Market Game.

## Human Rights

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1, Semester 2

Open to Grades: 11, 12

This interdisciplinary course examines human rights issues around the globe. Students will study literature, film, and the news in an effort to gain perspective, awareness of human rights issues. This investigation will include topics such as human trafficking, the use of children as tools of war, and genocides of past and present. Students will be encouraged to work together to develop solutions to address these human rights issues. The culmination of this course is a student-created awareness/call to action project.

# Social Studies Department

## The Civil War

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

This course offers students the opportunity to explore the bloody conflict that divided our nation more than 150 years ago. The course will focus on the path to disunion, the major battles of the war, the period of Reconstruction, and the legacy of the Civil War. Through this course, students will develop an understanding of the war by examining primary source documents such as photographs, letters, maps, diaries, and speeches found in online resources as well as locally at the Naugatuck Historical Society. They will conduct research on personally selected topics such as the state of the military technology of the day or how soldiers who were injured on the battlefield were cared for. By dedicating a full semester to exploring the many facets of the War, students will have the opportunity to delve deeply into this uniquely American conflict.

## AP/ECE European History

Levels: AP

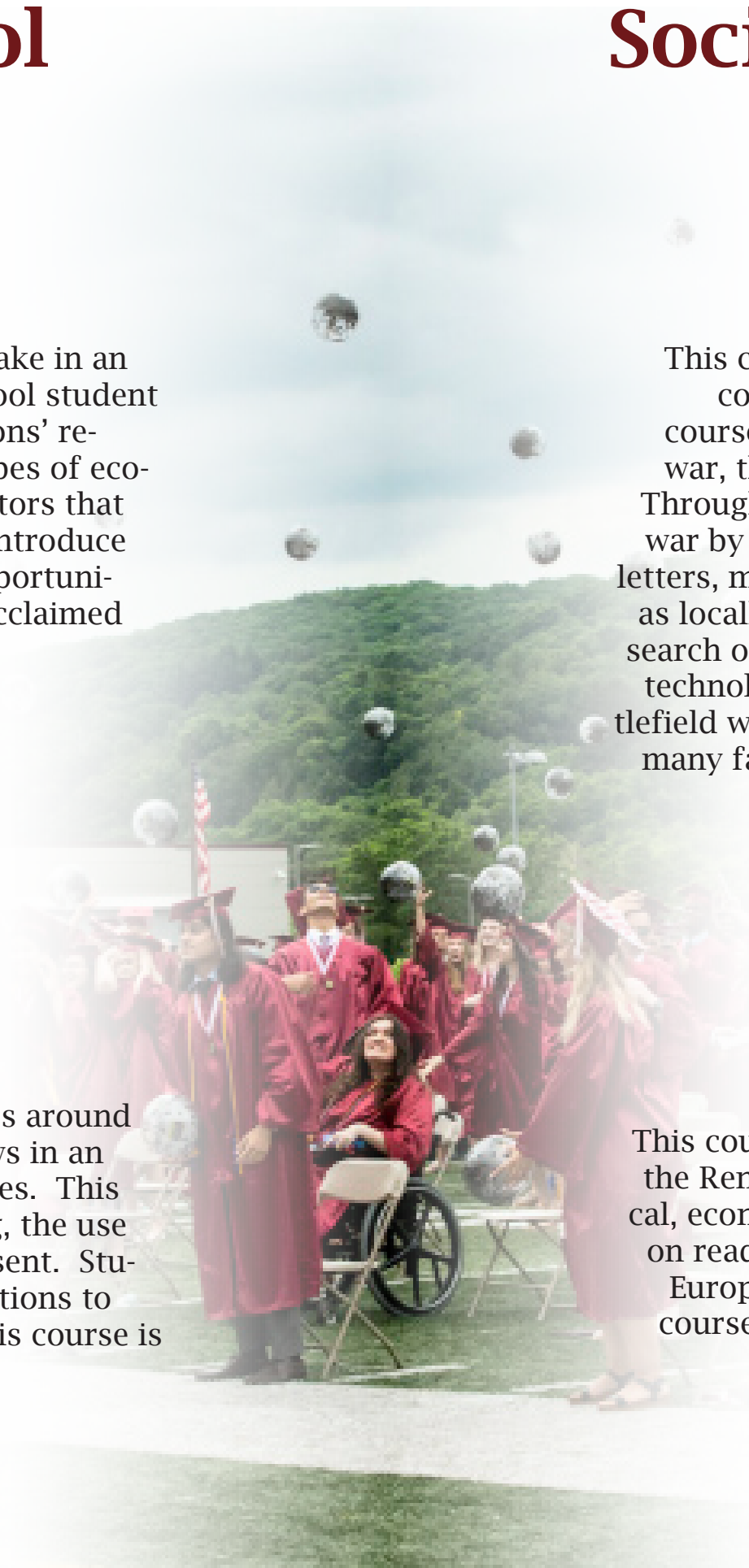
Prerequisites: None

Credit Value: 1

Terms offered: Full year

Open to Grades: 11, 12

This course offers a comprehensive study of European History from the Renaissance to the present, including the study of social, political, economic, cultural and artistic perspectives. Emphasis is placed on reading and interpretation, historical analysis and writing. A.P. European History is designed to be the equivalent of a college course. Upon completion of the course, students will take the Advanced Placement examination.



# Naugatuck High School

## Psychology

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

Psychology is the study of human behavior. This course will explore the various ways that behavior can be influenced and understood. Students will learn about personality, development, learning, memory, brain function, altered states of consciousness, psychological disorders, and social psychology. They will engage in discussion, analysis of concepts, practical application of theories, and independent research. There are several projects that provide the opportunity for students to express their learning in a personal way.

# Social Studies Department

## UConn ECE Introduction to Asian American Studies

Levels: Dual enrollment

Prerequisites: None

Credit Value: .5 (3 UConn credits)

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

A multidisciplinary and interdisciplinary introduction to major themes in Asian American Studies. Concepts of identity and community, migration and labor histories, Asians and the law, representations of Asians in visual and popular culture, gender issues, interracial and interethnic relations, and human rights.



# Fine Arts Department

The Fine Arts program is designed to foster an appreciation for art and music in all students, as well as support those who may one day choose a career in the arts. Art and music teachers collaborate to give students as many opportunities as possible to showcase their talents and passion. Courses focus on gaining technical knowledge as well as applying concepts to create work that reflects the unique identities of our students. The program is a blend of hands-on learning, application of critical thinking skills, and collaboration. Art courses present art as a visual language, which students learn through making, discussing, observing, and analyzing many different types of art. Our music courses provide students with a plethora of opportunities to nourish musical interests both in school as well as through regional competitions. All NHS students are required to earn at least one credit in the arts order to fulfill graduation requirements.



# Fine Arts Courses at a Glance

Students need 1 Fine Arts credit in order to graduate. The department offers multiple art pathways, as well as robust experience in both choral and instrumental music:

Drawing Pathway	Drawing I	Drawing II	AP Drawing
Painting Pathway	Painting I	Painting II	AP 2D Design
Photography Pathway	Photo I	Photo II	
Band and Instrumental Music	Modern Band Symphonic Band Jazz Band Guitar		
Choral Music	Choir Concert Choir Chambers Singers Voice Class Musical Theatre I and II		
Additional Electives	UConn ECE Diversity in American Popular Music UConn ECE Ear Training Music Production & Technology Sculpture		
Experience programs  (These are offered as after school programs in which students earn credit; with the exception of Chambers Singers, these do not meet during a regular period in the school day.)	Marching Band Percussion Ensemble Winter Guard Chambers Singers		

# Naugatuck High School

## Chorus

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 9, 10, 11, 12

Chorus is open to beginning choral students in grades 9-12 and to returning singers upon request. Chorus is an introductory ensemble course focused on appropriate and healthy vocal technique, ensemble singing, choral music reading, and stage presence. The Chorus will be featured alone and with other choral ensembles in two annual performances. Music of various periods, styles, and languages, including pop songs and show tunes, is studied throughout the year. This is a performance class, therefore students are expected to attend all rehearsals, sectionals, and performances.

## Concert Choir

Levels: Academic

Prerequisites: None

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

Concert Choir is open to choral students in grades 9-12 who have beginning knowledge and experience singing in a choral ensemble. Concert Choir is an intermediate to advanced ensemble course focused on appropriate and healthy vocal technique, ensemble singing, choral music reading in SATB parts, music theory, and stage presence. The Concert Choir will be featured alone and with other choral ensembles in three annual performances. Music of various periods, styles, and languages, including Renaissance, classical, jazz, and show tunes, is studied throughout the year. This is a performance class, therefore students are expected to attend all rehearsals, sectionals, and performances. Students enrolled in Concert Choir are also invited to audition for Chamber Singers the following year.

# Fine Arts: Music

## Chamber Singers

Levels: Honors

Prerequisites: None

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

Requirements: Audition and enrollment in Concert Choir

Chamber Singers is an auditioned a cappella choral ensemble. Students must audition with the choral director in the prior semester and must be enrolled in Concert Choir to be accepted into this advanced ensemble. Attention will be given to advanced vocal technique and ensemble singing with an emphasis on breath support, tone quality, intonation, and blend. Additionally, the course will engage students in extensive sight reading and study of music from a variety of periods, styles, and languages. The Chamber Singers ensemble performs at numerous concerts throughout the area and on concert tours within the United States and abroad. Evening concerts and rehearsals are required. This is a performance class, therefore students are expected to attend all rehearsals, sectionals, and performances.

## Chamber Singers Experience

Prerequisites: Concurrent Enrollment in Chamber Singers

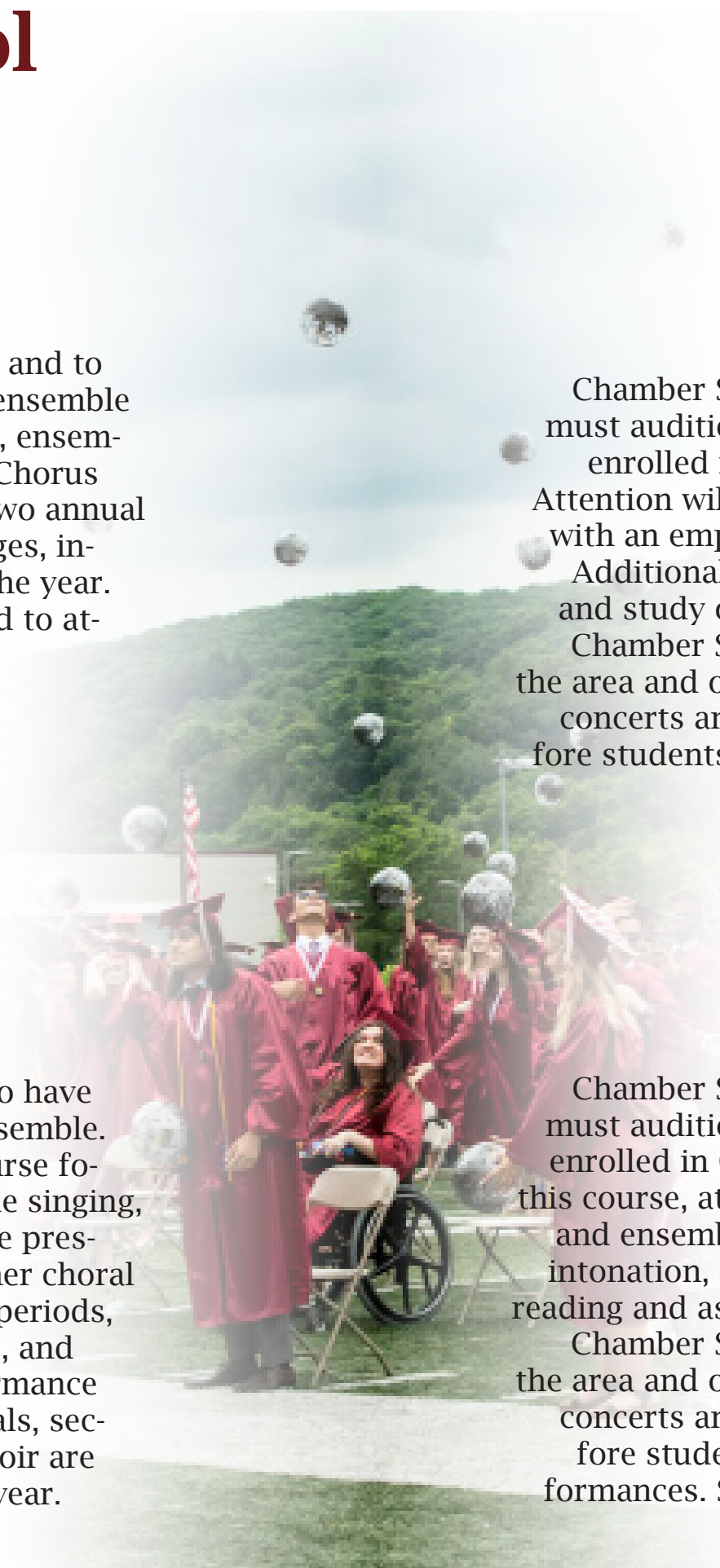
Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

Requirements: Audition Chamber Singers

Chamber Singers is an auditioned a cappella choral ensemble. Students must audition with the choral director in the prior semester and must be enrolled in Concert Choir to be accepted into this advanced ensemble. In this course, attention will be given to developing advanced vocal technique and ensemble singing with an emphasis on breath support, tone quality, intonation, and blend. The course will engage students in extensive sight reading and as well as the study of a widely varied repertoire of music. The Chamber Singers ensemble performs at numerous concerts throughout the area and on concert tours within the United States and abroad. Evening concerts and rehearsals are required. This is a performance class, therefore students are expected to attend all rehearsals, sectionals, and performances. Students will extend their learning beyond the classroom and demonstrate competence on specific performance indicators.



## Voice Class

Levels: Academic (w/ honors contract option)  
Prerequisites: None  
Credit Value: .5  
Terms offered: S1 or S2  
Open to Grades: 9, 10, 11, 12

This course introduces and develops the mechanics of producing a healthy vocal sound through the use of solo voice literature (both classical as well as Broadway show music and popular music) and the performance of at least two solo selections. The course will focus on development and growth of individual vocal technique through vocal coaching, self-reflection, and peer reflection. This is a performance course that will culminate with a voice recital, therefore students are expected to attend all rehearsals and performances.

## Modern Band

Levels: Academic (w/ honors contract option)  
Prerequisites: None  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 9, 10, 11, 12  
Requirements: None

Modern Band is an ensemble course that utilizes popular music as its central canon. Modern band teaches students to perform the music they know and love and to compose and improvise. Styles that are studied include rock, pop, reggae, hip-hop, rhythm & blues, video game music, and other contemporary styles as they emerge. Modern Band included traditional band instruments, as well as guitar, bass, drum set, piano, voice, and technology. This is a performance course, therefore students are expected to attend all rehearsals and concerts.

## Symphonic Band

Levels: Honors  
Prerequisites:  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 9, 10, 11, 12  
Requirements: Performances

This course is open to all students who are serious about performing band repertoire at a high standard of excellence. The Symphonic Band performs in school concerts and local programs every year. Members can also audition for Regionals and AllState Music Festival. This ensemble is separate from Marching Band, which takes place after school. Many students do both, so we will often play the Marching Band music in class during their competitive season. You do not have to be in Marching Band to be in Symphonic Band, however, you are encouraged to do both!

## Marching Band Experience

Prerequisites: Concurrent Enrollment in Marching Band  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 9, 10, 11, 12  
Requirements: Performances

This course is open to all students who are serious about performing band literature at a high standard of excellence. Students will be expected to attend regular rehearsals and performances. The marching band performs in competitions, football games and parades. This is a performance experience, therefore, students are expected to be prepared for and perform in all rehearsals, sectionals, and performances. Students will extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

# Naugatuck High School

## Percussion Ensemble Experience

Prerequisites: Serious interest in band performance

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

Requirements: Performances

This course is open to all students who are serious about performing band literature at a high standard of excellence in authentic experiences. Students will be expected to attend regular rehearsals and performances that occur outside the school day. The percussion ensemble performs in competitions, music festivals and concerts. This is a performance experience, therefore, students are expected to be prepared for and perform in all rehearsals, sectionals, and performances. Students will extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

## Winter Guard

Prerequisites: Serious interest in color guard performance

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

Requirements: Practice and Performances

This course is open to all students who are serious about performing color guard at a high standard of excellence in authentic experiences. Students will be expected to attend regular rehearsals and performances. The winter guard ensemble performs in competitions and exhibitions. This is a performance experience, therefore, students are expected to be prepared for and perform in all rehearsals, sectionals, and performances. Students will extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

# Fine Arts: Music

## Jazz Band

Levels: Honors

Prerequisites: Interest in Jazz and Big Band

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

Requirements: Audition and Performances

Jazz Band is an extension of the larger ensemble experience. The jazz ensemble reflects traditional Big Band instrumentation (saxophone, trumpet, trombone and rhythm section). Through listening to recordings, critiquing, analyzing, discussion and application, students will learn a variety of jazz styles found within this genre. Students will understand the history of jazz and be able to associate specific musicians to distinct types of jazz. This is a performance class, therefore, students are expected to attend all rehearsals, sectionals and performances.

## UCONN ECE Popular Music & Diversity in American Society

Levels: UConn ECE

Prerequisites: None

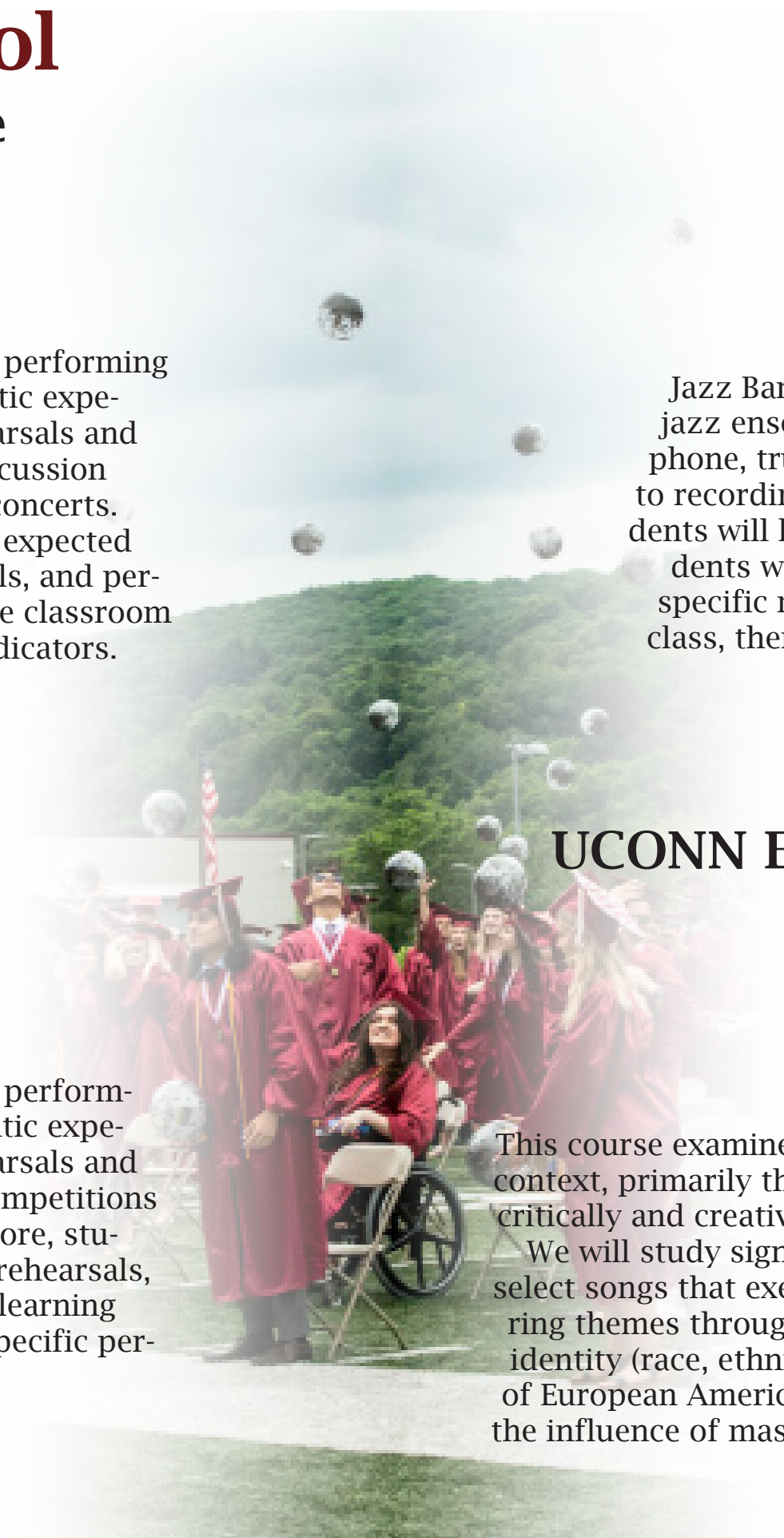
Credit Value: 0.5

Terms offered: S1, S2

Open to Grades: 10, 11, 12

This course examines American popular music within its historical and social context, primarily throughout the 20th century. It will encourage you to think critically and creatively about popular music in relation to topics of diversity.

We will study significant styles of American popular music, with a focus on select songs that exemplify their respective genres, and explore several recurring themes throughout the course: the role of popular music as a symbol of identity (race, ethnicity, gender, social class, generation, etc.); the interaction of European American, African American, and Latin American traditions; and the influence of mass media and technology (printing, recording, radio, video, internet).



# Naugatuck High School

## Music Production & Technology

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: S1 or S2

Open to Grades: 9, 10, 11, 12

This course is designed for students seeking knowledge and experience in music production and technology. With an interdisciplinary focus in science, early topics will include the physics of sound, waves, and frequency. As the course progresses, students will explore the principles of live sound recording, sound reinforcement, digital and analogue recording, audio engineering and editing, effects processing, and microphone technique. Students will be using digital audio workstations and a variety of audio technology and equipment to create final mixes of their work.

## Guitar Class

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: S1 or S2

Open to Grades: 9, 10, 11, 12

This is a course for students who would like to learn basic folk guitar. No experience is a plus! Study includes chords and their structure, musical notation, song construction, and structure. This course is designed for beginners only! Not for advanced students. A desire to learn the basics is essential.

# Fine Arts: Music

## Musical Theatre I & II

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

This course introduces students to the world of musical theatre through an analysis of song structure, character study, and creative movement. Students will develop individual interpretations of character and motive from both spoken dialogue and lyrical analysis. Vocal skills and style will be emphasized. Students will prepare songs and scenes from musical theatre productions and will be required to memorize specific roles for performances. A willingness to work independently and as an ensemble is essential for success in this course.

In Musical Theatre II, advanced music will be used to address vocal skills and styles. An emphasis will be placed on both independent study and leadership skills within an ensemble. Students will prepare songs and scenes from musical theatre productions and will be required to memorize roles for performances as well as direct specific aspects of performances.

## UConn ECE Ear Training

Levels: Academic (w/ honors contract option)

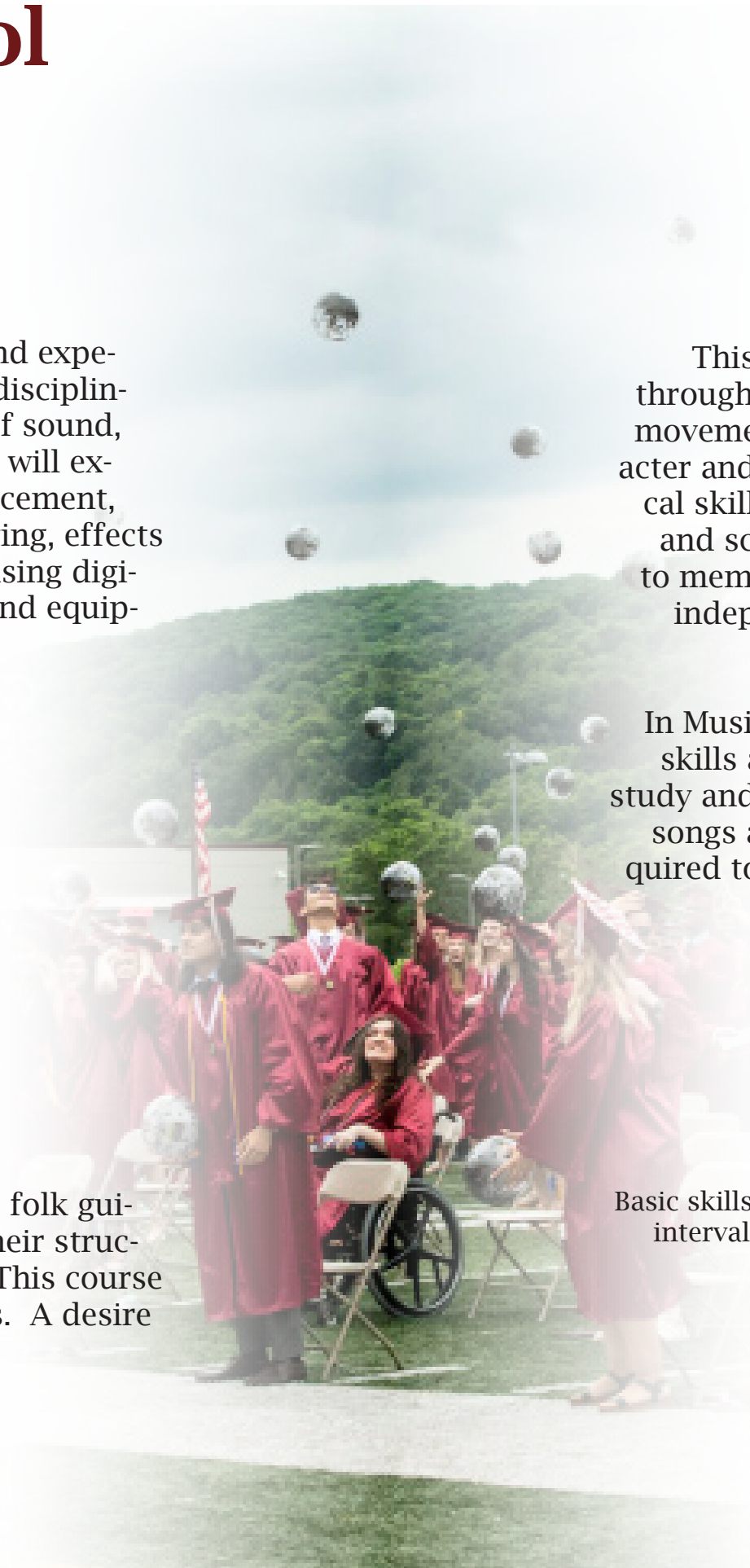
Prerequisites: None

Credit Value: 0.5

Terms offered: Full year

Open to Grades: 10, 11, 12

Basic skills in note reading, rhythm, meter, pitch symbols, scales, key-signatures, intervals, triads, sight-singing, and dictation. No previous training is required.



## Drawing I

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

In this course, students will utilize drawing materials to develop and apply multiple techniques of artistic investigation for individual expression. They will explore and experiment with the Elements and Principles of Visual Art, such as line, shape and value etc. in a range of artistic compositions. This course is a foundation level course that prepares students with the basics of drawing to advance their skills and voice in higher level art courses such as Drawing II.

## Drawing II

Levels: Academic (w/ honors contract option)

Prerequisites: Drawing I

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

This course prepares students for AP Drawing and college art. Students will further develop the Elements and Principles of Visual Art and experience various media skills and techniques for self-expression. Students will explore and concentrate on various themes at an independent level.

## AP Drawing

Levels: Advanced Placement

Prerequisites: Drawing II

Credit Value: 1

Terms offered: Full year

Open to Grades: 10, 11, 12

Requirements: Extensive Portfolio Work and AP Exam Fee

AP Drawing class is an independently driven course for passionate art students to advance their skills and develop an “inquiry-based” thinking in their expression as set by standards governed by the AP Central College Boards. Upon successful completion of this course students are granted college credits. AP Drawing will focus on developing a portfolio of work centered around a focused theme, investigated and explored throughout the year. This course emphasizes exploring deep ideas, investigation questions and understanding around personal/social interests. The AP Drawing portfolio includes artistic processes developed through any drawing materials to show artistic expressions as “mark-making”.

## Painting I

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

In this course, students will utilize painting materials to develop and apply multiple techniques of artistic investigation for individual expression. They will explore and experiment with the Elements and Principles of Visual Art, such as line, shape and color in a range of artistic compositions on various objects or themes. This course is a foundation level course that prepares students with the basics of color theory in painting to advance their skills and voice in higher level art courses such as Painting II.

## Painting II

Levels: Academic (w/ honors contract option)  
Prerequisites: Painting I  
Credit Value: 0.5  
Terms offered: S1 or S2  
Open to Grades: 9, 10, 11, 12

This course prepares students for AP 2-D Art and Design and college art. Students will further develop the Elements and Principles of Visual Art and experience various media skills, techniques and art historical painting styles for self-expression. Students will explore and concentrate on various themes at an independent level.

## Digital Photography I

Levels: Academic (w/ honors contract option)  
Prerequisites: None  
Credit Value: .5  
Terms offered: Semester 1 or Semester 2  
Open to Grades: 9, 10, 11, 12

This semester-based course is designed for students who would like to learn the basics of photography through smartphone and camera technology. Students will learn the art of taking photos, improve existing skills in order to take more meaningful photographs as well as fine art photography as an art form. Students will learn photo techniques and apply photo Rules of Composition to their work. Students will also become familiar with some contemporary photographers as well as learn some history of the camera. The course focuses both on photographs as they are taken as well as some photo editing, enhancing and manipulation of their photos through editing software/apps. Students will plan, discuss and reflect on their work through their E-Portfolios.

## Digital Photography II

Levels: Academic (w/ honors contract option)  
Prerequisites: Digital Photography I  
Credit Value: .5  
Terms offered: Semester 1 or Semester 2  
Open to Grades: 9, 10, 11, 12

This semester-based course prepares you for AP 2-D Art and Design and college art. Photography II is designed for students who would like to examine and dig deeper into the art of taking photographs through different exposure modes on the cameras. Students will become more engaged with real world 21st century skills, photo objectives and projects that foster high end fundamentals of digital photography through the cameras and software/apps. Students will continue to learn fine art photography mixed in with portrait photography, lighting and angles. Students will improve on existing skills and photo techniques in order to take more meaningful photographs as an art form. Students will continue to become familiar with more professional photographers and learn more about potential future jobs in the photography world. Students will plan, discuss and reflect on their work through their E-Portfolios.

## AP 2D Art and Design

Levels: Advanced Placement  
Prerequisites: Painting II or Digital Photography II  
Credit Value: 1  
Terms offered: Full year  
Open to Grades: 10, 11, 12  
Requirements: Extensive Portfolio Work and AP Exam Fee

AP 2D Art and Design class is an independently driven course for passionate art students to advance their skills and develop an “inquiry-based” thinking in their expression as set by standards governed by the AP Central College Boards. Upon successful completion of this course, students are granted college credits. AP 2D Art and Design will focus on developing a portfolio of work centered around a focused theme, investigated and explored throughout the year. This course emphasizes exploring deep ideas, investigation questions and understanding around personal/social interests. The AP 2D portfolio can include artistic processes developed through painting, graphic design, photography and collages.

## Sculpture

Levels: Academic (w/ honors contract option)

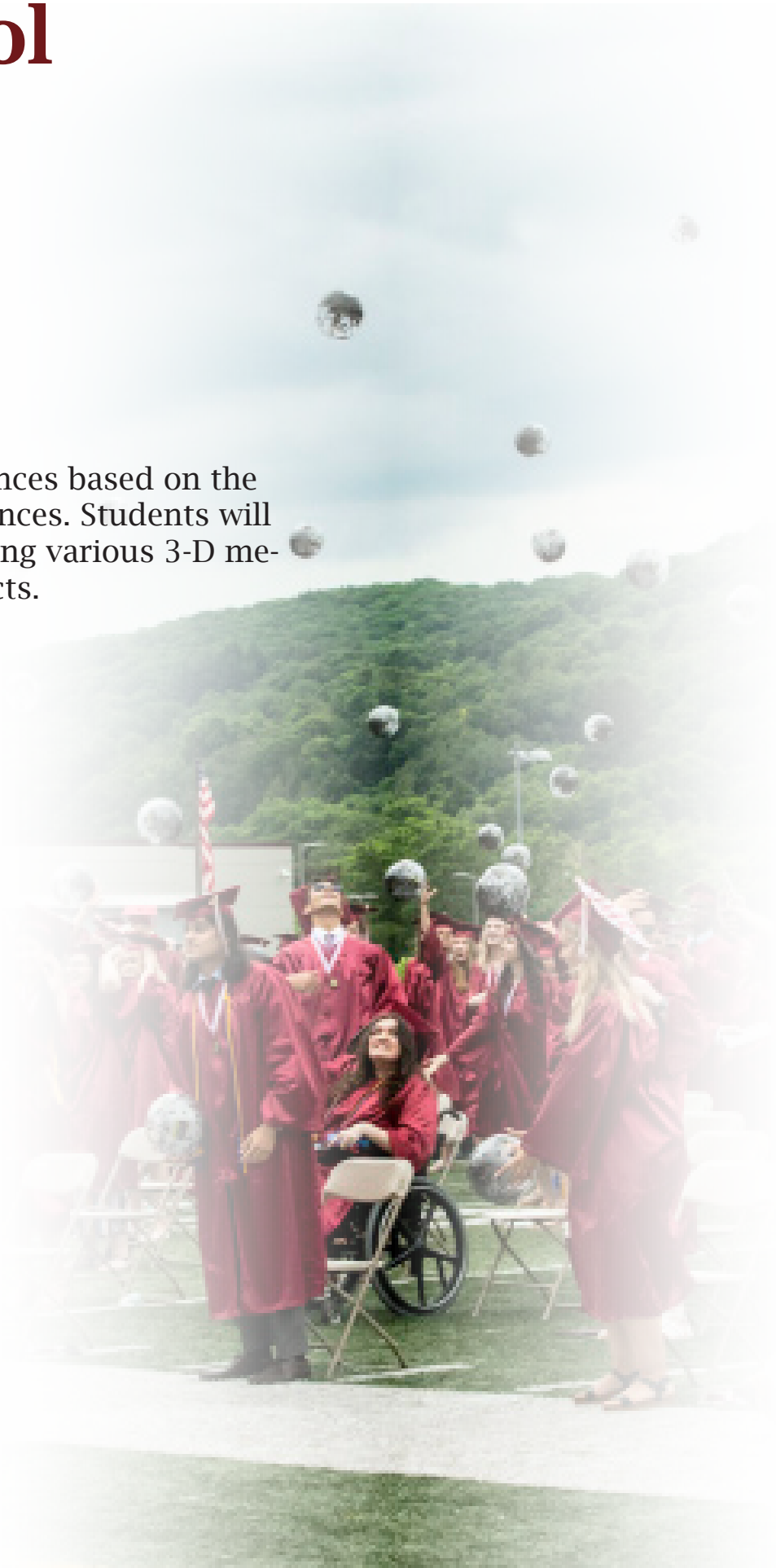
Prerequisites: None

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 9, 10, 11, 12

This course provides students with a range of 3-D experiences based on the elements and principles of design and art historical references. Students will create hands-on sculptural designs for self-expression, using various 3-D media such as cardboard, clay, paper mache, and found objects.



# World Language Department

The World Language Department strives to inspire students to become productive global citizens who will communicate in other languages and develop an understanding of the increasingly multicultural society in which they live. It is our goal to help students make connections to the practical and real-world use of languages and how developing skills in the target language can positively impact their future. Students will develop competency in the four skills of listening, speaking, reading, and writing and apply their learning through authentic interpretive, interpersonal and presentational tasks and assessments. Course offerings provide the students the choice of learning Spanish and French at the academic or honors level.



# World Language Courses at a Glance

Students need 1 World Language credit in order to graduate; colleges typically recommend taking additional years of a single language. All courses in the world language department progress from levels 1 to 4, with a level 5 and AP option available in Spanish during a student's senior year. In addition, the department offers the Spanish for Heritage Learners course, intended as an accelerated introductory course for students who are native Spanish speakers or who live in a home where Spanish is used frequently.

# Naugatuck High School

## Level I French or Spanish

Levels: Academic (w/ Honors contract option)

Prerequisites: None

Credit Value: 1.0

Terms offered: Full year

Open to grades: All

The course is an introduction to the study of Spanish or French and its culture. It will focus on the development of students' communicative competence in the target language. Cultural concepts and connections will also be introduced throughout the course. In this course students will: structure and organize communication in the target language; communicate strategically for a variety of purposes and audiences; perform the most basic functions of the language with emphasis placed on the development of the four skills of listening, speaking, reading, and writing; learn to communicate in real-life contexts on familiar topics; be able to present information about themselves using a variety of words, phrases and simple sentences; understand words, phrases, simple sentences and sometimes the main idea related to everyday life using authentic language/

## Level II French or Spanish

Levels: Honors / Academic

Prerequisites: Level I French or Spanish

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 9, 10, 11, 12

This course is a continuation of the skills and goals of level one. Additional authentic activities are used to refine and hone the student's ability in writing, reading, and responding in the target language. The level two student will also be able to create in the language and express his own thoughts, as well as ask basic questions and gather information. Cultural information pertaining to everyday life will be examined through unit of study around shopping, family, and community. This course is offered at the honors and academic level.

# World Language Dept.

## Level III French or Spanish

Levels: Honors / Academic

Prerequisites: Level II French or Spanish

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 10, 11, 12

The third year of language stresses the continued refinement of communicative skills as well as the expansion of vocabulary and cultural concepts. The student will be able to create with the language, incorporating a variety of tenses and structures. Emphasis will be placed on cultural awareness through readings and videos. Students will further develop their ability to convey meaning about present, past, future, and circumstantial events, maintain a comprehensible conversation in the language, give instructions and directions in formal and informal situations, and use direct and indirect object pronouns to enhance communication skills.

## Level IV French or Spanish

Level: Honors/Academic

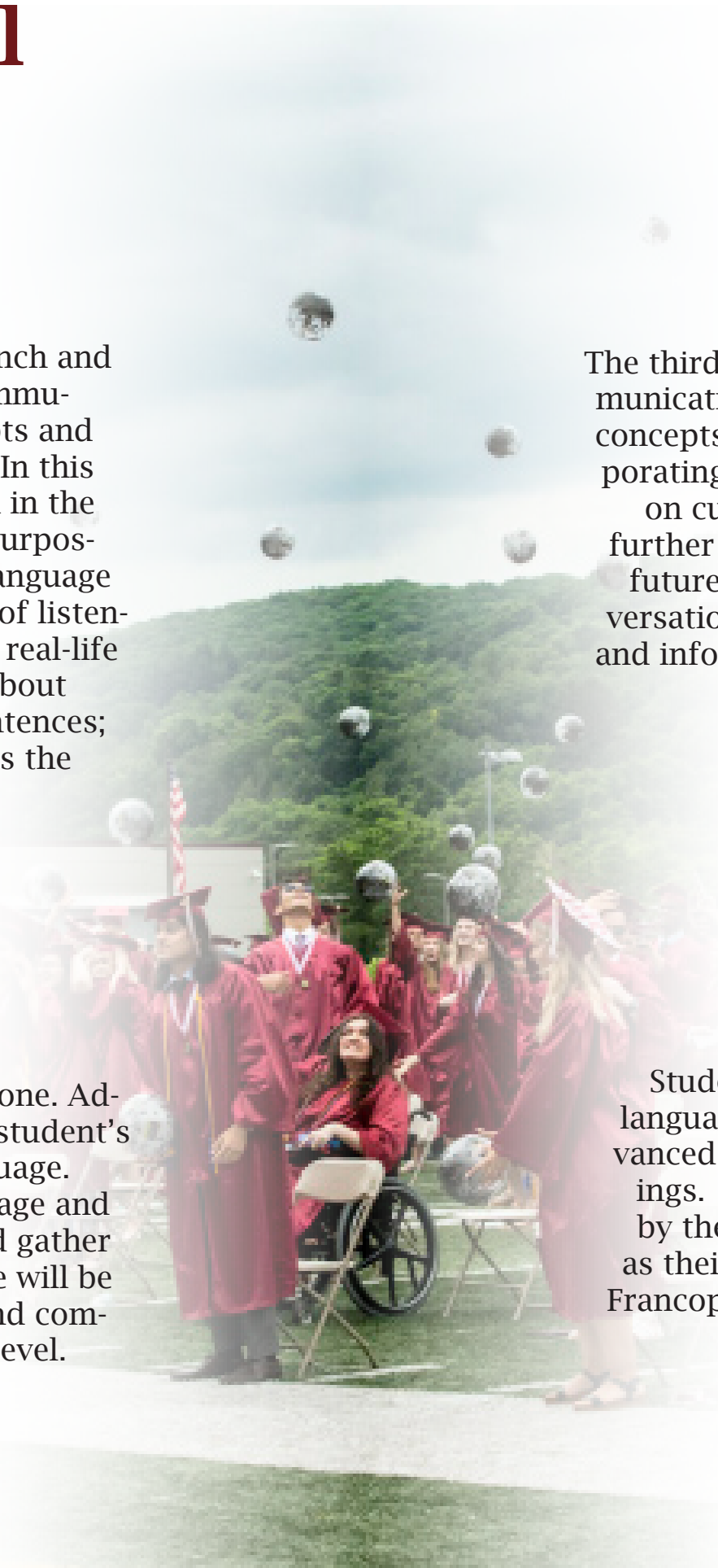
Prerequisites: Level III French or Spanish

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 12 (French), 10, 11, 12 (Spanish)

Students will be expected to communicate primarily in the target language, and writing will be an important focus of the course. Advanced vocabulary will be introduced, mainly through literary readings. The curriculum content will rest heavily on readings chosen by the instructor to appeal to the interests of the students as well as their intellectual maturity. All readings will be from the various Francophone cultures and will expose the student to a variety of literary styles and opinions.



# Naugatuck High School

## Spanish V

Level: Academic (honors contract available)  
Prerequisites: Spanish IV  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 12

The student will continue to increase all four basic language skills through extensive practice of grammar and in-depth cultural analysis. Students will use different tenses to write, speak, and read the language. Through a variety of reading selections, videos, music, and cultural resources, students will also be able to develop their language proficiency in all four skills. The class will be conducted in Spanish as much as possible. Students enrolled in Spanish V will have the option to enter into an Honors Contract to earn honors credit for the course upon successful completion.

## AP Spanish

Levels: Advanced Placement  
Prerequisites: Three years of high school Spanish or native speaker  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 12  
Requirements: AP fee required (waivers available for eligible students. )

This course prepares students for the AP Spanish Language and Culture Exam. Students will develop their language skills working in the interpretive, interpersonal, and presentational modes of communication. Students will read and listen to authentic resources from hispanic cultures. Students will write argumentative essays and respond to emails in Spanish. Students will continue to develop their speaking skills with impromptu conversations with native speakers and through monologues with the intent of making cultural connections. Students will develop their communicative skills by working in Spanish almost exclusively. The curriculum and assessment for this course is based on guidelines put forth by the College Board.

# World Language Dept.

## Spanish for Heritage Learners

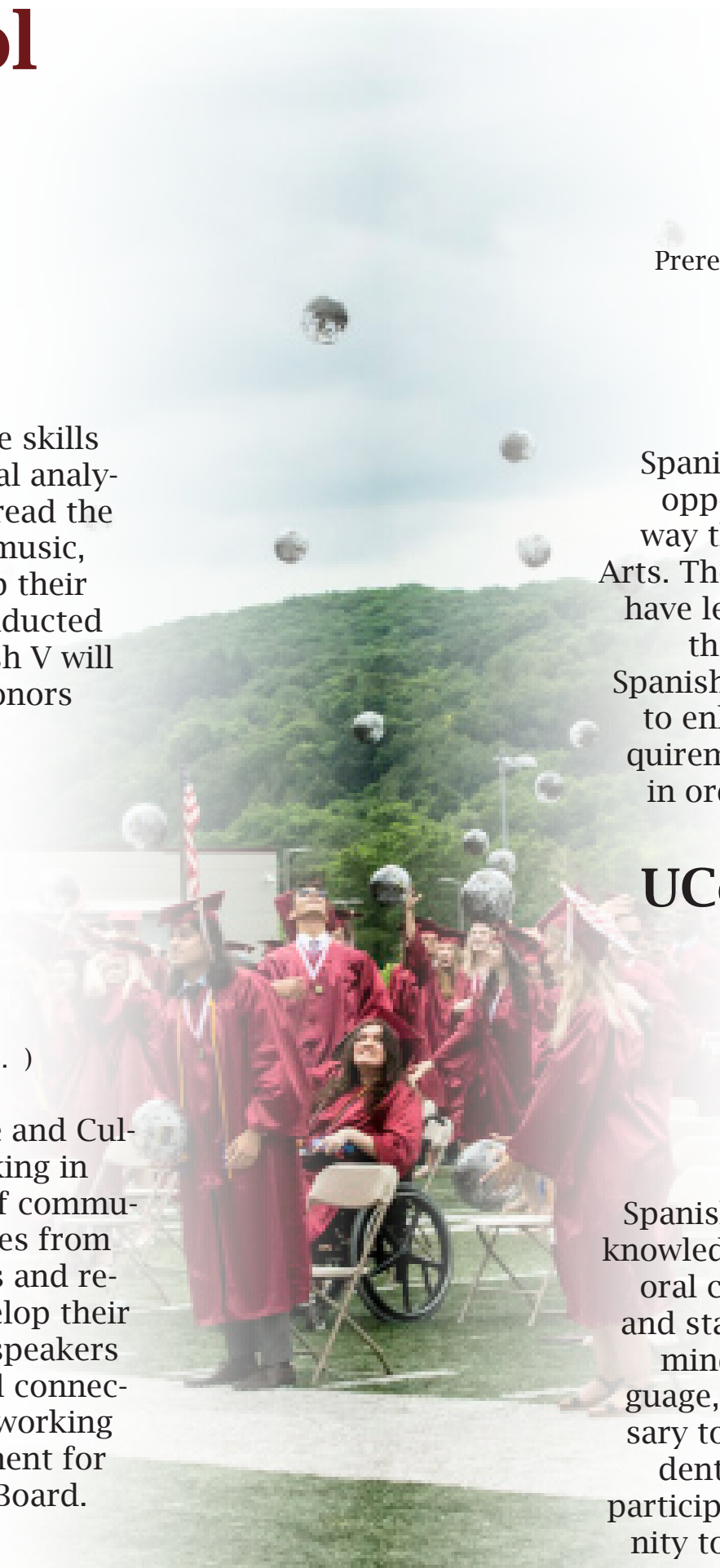
Levels: Academic  
Prerequisites: Be a native Spanish speaker or live in a home where Spanish is used frequently  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 9, 10, 11, 12

Spanish for Heritage Learners offers Spanish-speaking students an opportunity to study formally in an academic setting in the same way that native English-speaking students study English/Language Arts. These students may have a desire to reactivate the Spanish they have learned in the past and develop it further; to learn more about their language and cultural heritage; to acquire literacy skills in Spanish; to develop or augment academic language skills in Spanish; to enhance career opportunities; or to fulfill a foreign language requirement. During this course, students will take a diagnostic exam in order to identify an appropriate placement level in a traditional Spanish course offered at the high school level.

## UConn ECE Composition and Reading for Speakers of Spanish

Level: Dual enrollment  
Prerequisites: Completion of Spanish for Heritage Learners or instructor approval  
Credit Value: 1.0 (3 UConn credits)  
Terms offered: Full year  
Open to Grades: 10, 11, 12

Spanish 3177 is a UCONN ECE course for students who have a basic knowledge of Spanish but need to expand and improve their reading, oral communication, and writing strategies by developing a formal and standard register. The course aims to make students aware and mindful of the different dialects and registers of the Spanish language, as well as to provide them with the grammatical tools necessary to write clearly and without spelling mistakes. In addition, students are expected to respect the way their classmates speak and participate by contributing words that are used in their own community to broaden both everyday and academic vocabulary, which will be reinforced through various texts throughout the course.



# Naugatuck High School

## Spain Through Film: Identity, Culture, and Regionalism

Level: Academic (honors contract available)  
Prerequisites: Spanish III or native speaker  
Credit Value: 0.5  
Terms offered: S1, S2  
Open to Grades: All

This course uses the films *Ocho Apellidos Vascos* and *Ocho Apellidos Catalanes* as a springboard to explore regional identities, cultural differences, and contemporary social issues in Spain. Through these films and supplementary readings and discussions, students will examine the tension between regionalism and national identity, stereotypes, and the ways in which humor and film reflect societal dynamics. The course will focus on the Basque Country, Catalonia, and Andalusia, comparing their histories, cultures, and current political issues. This course will offer students an interdisciplinary approach, blending language with culture and history while making sure all materials are accessible to those at different levels of Spanish comprehension.

# World Language Dept.

## Voices of Latin America: Indigenous and Afro-Latin Identities

Levels: Academic  
Prerequisites: Spanish III or native speaker  
Credit Value: 0.5  
Terms offered: S1, S2  
Open to Grades: All

This course explores the diverse identities that shape the cultural, social, and political fabric of Latin America, with a focus on indigenous and Afro-Latin communities. Students will study the history, traditions, and contemporary issues faced by groups such as the Kichwa of Ecuador, the Quechua of Peru, and the Afro-descendant communities in Colombia, Argentina, Uruguay, and the Caribbean. Through literature, music, art, and media in both Spanish and English, students will gain a deeper understanding of how these identities contribute to the richness of Latin American culture. These courses will offer students an interdisciplinary approach, blending language with culture and history while making sure all materials are accessible to those at different levels of Spanish comprehension.

## UConn ECE French Grammar and Composition

Level: Dual enrollment  
Prerequisites: Level III French  
Credit Value: 1.0 (3 UConn credits)  
Terms offered: Full year  
Open to Grades: 11, 12

Students will be expected to communicate primarily in the target language, and writing will be an important focus of the course. Advanced study of French texts and extensive written practice in a variety of forms ranging from compositions, essays, summaries, and film reviews..

# Math Department

The Naugatuck High School Mathematics Department provides an educational experience that helps students prepare for successful roles in an ever-changing society. This is accomplished through our commitment to excellent teaching, a well-designed curriculum, tasks that make real world connections, and a supportive environment for all our students. Students will be encouraged to explain their thinking, persevere to make sense of challenging problems, attend to precision, collaborate with others, and take educational risks. Students are challenged to embody the Vision of the Graduate by developing skills in analysis, problem solving, reasoning, creativity, and collaborative learning.



# Math Courses at a Glance

Students need 4 Math credits in order to graduate. Possible pathways include:

Pathway	9th Grade	10th Grade	11th Grade	12th Grade
Advanced	Geometry	Algebra II	AP Precalculus Honors Trig/Pre-calculus	AP Calculus Honors Calculus ECE Discrete Math AP/ECE Statistics
Accelerated	Algebra I	Algebra II	AP Precalculus Honors Trig/Pre-calculus	AP Calculus Honors Calculus ECE Discrete Math AP/ECE Statistics
	Geometry taken concurrently with Algebra I or II			
College Prep	Algebra I	Geometry	Algebra II Probability and Statistics	AP/ECE Statistics Trig/Pre-calculus Functions, Trig and Statistics Probability and Statistics Financial Algebra Explorations in Data Science
Applied Math	Algebra I	Math for Trades and Manufacturing I	Math for Trades and Manufacturing II Applied Algebra II	Probability and Statistics Financial Algebra Explorations in Data Science

# Naugatuck High School

## Algebra I

Levels: Honors / Academic  
Prerequisites: None  
Credit Value: 1.0  
Terms offered: Full year  
Open to grades: 9

This course is designed to give students a foundation for all future mathematics courses. Throughout this course, students deepen their understanding of algebraic relationships, functions, and statistics. Students explore how the use of tables, patterns, equations, and graphs are used to describe relationships and make predictions. Students investigate, analyze, and describe data to make sense of the world around them.

## Geometry

Levels: Honors / Academic  
Prerequisites: Algebra I (can be taken concurrently)  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 9, 10

This course integrates the concept of space geometry through the development of reasoning, patterns, formulas, theorems, and proofs. Students explore concepts such as distance, area, volume, transformations, congruence, logical arguments and justifications, and geometric relationships.

# Math Department

## Algebra II

Levels: Honors / Academic  
Prerequisites: Algebra I and Geometry (can be taken concurrently)  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 10, 11, 12

Algebra II extends students' understanding of Algebra I and increases the tools students need for modeling the real world. It includes topics such as (but not exclusive to) quadratic functions and complex numbers, higher degree polynomial functions, and operations with rational and radical functions. Concepts may be analyzed algebraically and/or graphically. The course integrates real world applications and encourages critical thinking.

## Applied Algebra II

Level: Academic  
Prerequisites: Algebra I and Geometry (can be taken concurrently)  
Credit Value: 1.0  
Terms offered: Full year  
Open to Grades: 11, 12

The course begins with fundamental operations studied in Algebra I, focusing on applications of math and Algebra. Topics include solving both linear and quadratic equations with real-world applications, factoring, exponents and operations with algebraic expressions. Students may take this elective after completing Geometry. This course does not qualify for NCAA approved Math credit.



# Naugatuck High School

## AP/UConn ECE Elementary Statistics

Levels: UConn ECE

Prerequisites: Algebra II

Credit Value: 1 (4 UConn credits)

Terms offered: Full year

Open to Grades: 12

Requirements: UCONN fee required (fee waivers available to eligible students)

Standard and nonparametric approaches to statistical analysis; exploratory data analysis, elementary probability, sampling distributions, estimation and hypothesis testing, one- and two-sample procedures, regression and correlation. Learning to do statistical analysis on a personal computer is an integral part of the course.

## AP Calculus/College Calculus (SCSU)

Levels: Advanced Placement

Prerequisites: Honors Trigonometry/Precalculus or AP Pre-calculus

Credit Value: .5

Terms offered: Semester 1 or Semester 2

The main topics are applications of differential and integral Calculus with an emphasis on formulas for polynomial, trigonometric, logarithmic and exponential functions and their use in problem solving. This course is based upon curricular guidelines for Advanced Placement courses. Upon completion, students will take the Advanced Placement exam. AP Calculus/Early College is a concurrent enrollment program that allows high school students to take SCSU courses at their high school for high school and college credit.

# Math Department

## AP/SCSU Pre-calculus

Levels: Advanced Placement

Prerequisites: Honors Algebra II

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 11, 12

AP/SCSU Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience and is not exclusively focused on preparation for future courses.

## Trigonometry/Pre-calculus

Levels: Academic/Honors

Prerequisites: Geometry and Algebra II

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 11, 12

Trigonometry/Pre-Calculus is a full-year course. It includes elementary functions, polynomials, logarithmic functions and their properties and inequalities, and trigonometry. The emphasis here is placed on circular functions and their applications. In addition, the trigonometric functions as they apply to the relationship of sides and angles of a triangle are studied.

# Naugatuck High School

## Probability and Statistics

Levels: Academic (w/ honors contract option)

Prerequisites: Algebra I

Credit Value: 1

Terms offered: Full year

Open to Grades: 11, 12

This course is an introductory study of the statistics and probability branches of mathematics. Topics covered include data organization, averages, variation, correlation, regression, normal distribution, and various probability distributions. Attention will be given to career applications in education, the social sciences, business, science and mathematics.

## Explorations in Data Science

Levels: Academic (w/ honors contract option)

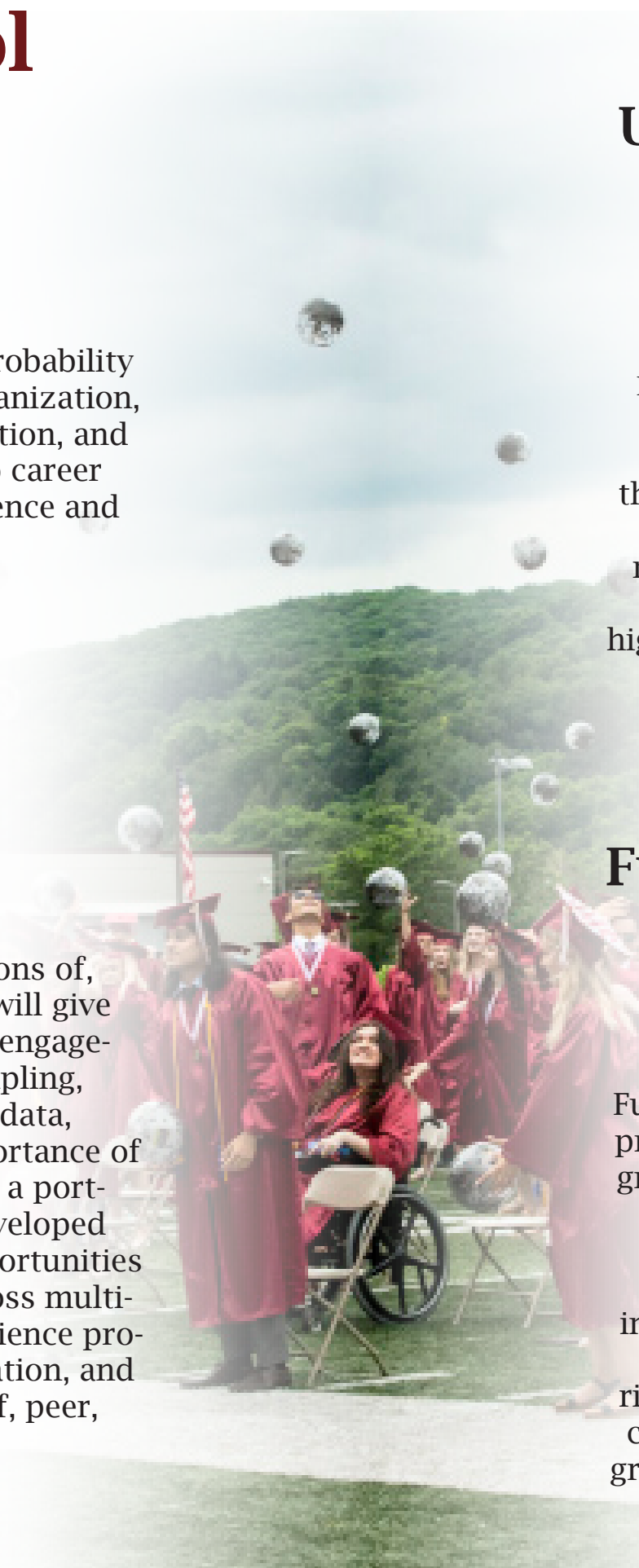
Prerequisites: Algebra II (can be taken concurrently)

Credit Value: 1

Terms offered: Full Year

Open to Grades: 10, 11, 12

In this course students will learn to understand, ask questions of, and represent data through project-based units. The units will give students opportunities to be data explorers through active engagement, developing their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, modeling with data, making and evaluating data-based arguments, and the importance of data in society. At the end of the course, students will have a portfolio of their data science work to showcase their newly developed knowledge and understanding. This course has several opportunities for students to develop their explanatory writing skills across multiple platforms. Communication at every stage of the data science process is key in making sense of a context, its data, interpretation, and story. Students will revise and refine their writing using self, peer, and teacher feedback.



# Math Department

## UConn ECE Elementary Discrete Mathematics

Levels: UConn ECE

Prerequisites: Algebra II

Credit Value: 1 (3 UConn credits)

Terms offered: Full year

Open to Grades: 12

Requirements: UCONN fee required (fee waivers available to eligible students)

This course includes counting and probability, sequences, graph theory, deductive reasoning, the axiomatic method and finite geometries, number systems, voting methods, apportionment methods, mathematics of finance, and number theory. UCONN Early College Experience (ECE) is a concurrent enrollment program that allows high school students to take UCONN courses at their high school for high school and college credit.

## Functions, Trigonometry and Statistics

Levels: Academic (w/ honors contract option)

Prerequisites: Algebra II

Credit Value: 1

Terms offered: Full year

Open to Grades: 11, 12

Functions, Statistics & Trigonometry is a mathematical course which prepares students for advanced level mathematics. This course integrates statistical, trigonometric and algebraic concepts. This course is designed to focus on the development of the student's ability to understand and apply the study of functions and advanced mathematical concepts to solve problems. This course will include an in-depth study of polynomial, rational, exponential, and logarithmic and trigonometric functions. Other topics include: sequences, series, data analysis, permutations, combinations, and probabilities of compound events. Students investigate and communicate topics in greater depth through projects and group activities while using multiple representations.

# Naugatuck High School

## Financial Algebra

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: Full year

Open to Grades: 12

Financial Algebra engages students with real-world financial applications while maintaining deep mathematical rigor. Each of the course's units blends one core personal finance topic with one relevant math concept.

This project-based class emphasizes math computation skills, researching, writing, and class discourse. This course does not qualify for NCAA approved Math credit.

# Math Department

## Math for Trades and Manufacturing

Levels: Academic (w/ honors contract option)

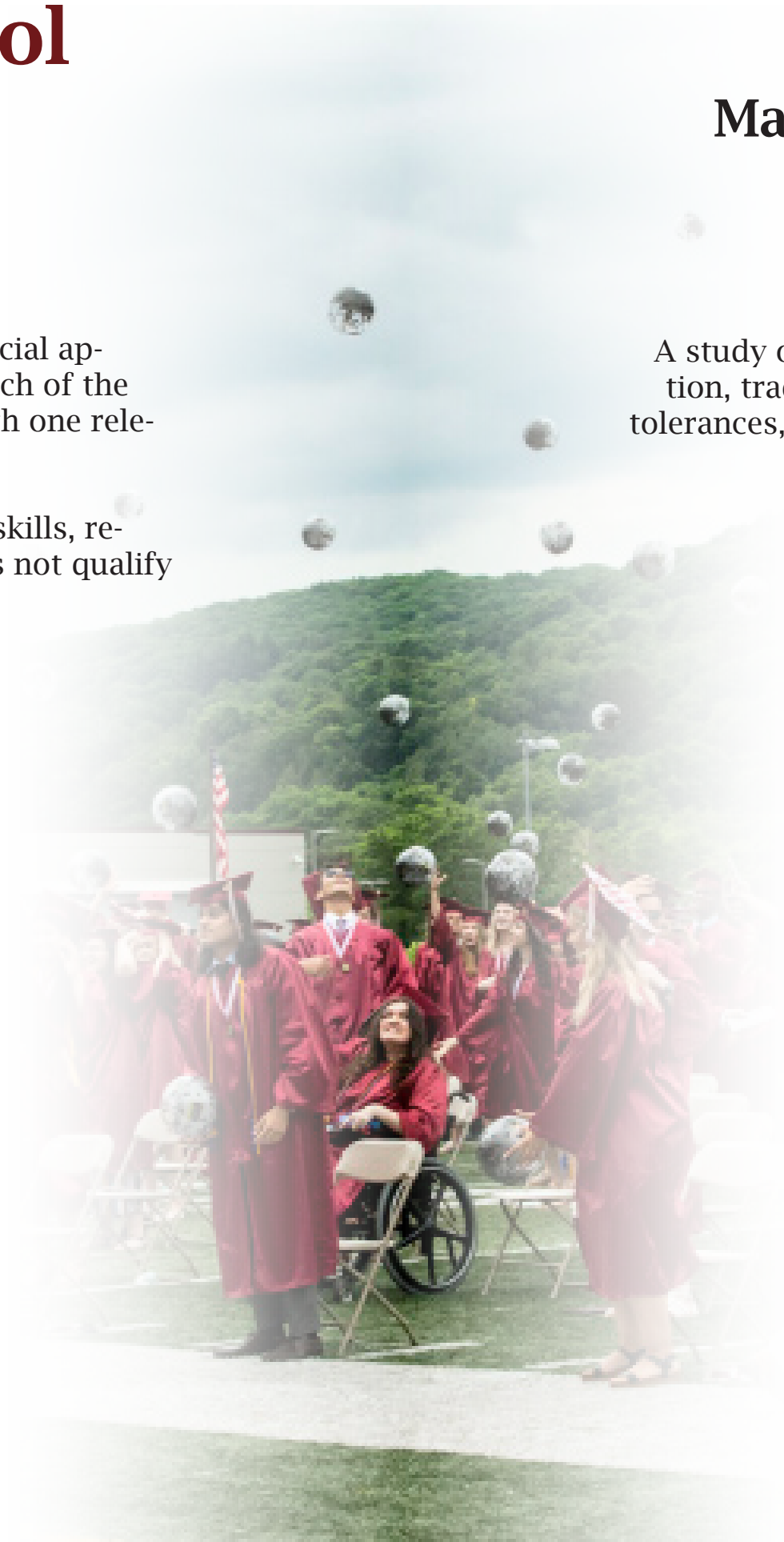
Prerequisites: Algebra I

Credit Value: 1

Terms offered: Full year

Open to Grades: 10-12

A study of arithmetic and algebraic operations applied to construction, trade, and manufacturing circumstances. Fractions, decimals, tolerances, percentages, powers and roots, the metric system, as well as ratios and proportions are studied in depth.



# Science Department

Students are required to take 3 credits of science. Science Department courses promote inquiry and exploration while integrating Disciplinary Core Ideas (Earth and Space Science, Life Science, and Physical Science), Science and Engineering Practices, and Crosscutting Concepts outlined by the Next Generation Science Standards. The integration of these three dimensions promotes a way of teaching and learning that allows students to actively do and experience science in a deep, meaningful way, through the exploration of observable and relevant phenomena. Each course offered emphasizes scientific exploration and experimentation. Classroom experiences encourage students to ask questions, explore and discuss possible solutions, investigate science concepts, use argumentation, and be fully active in the learning process. This approach mirrors real-world science practices and engages students deeply in the learning process.



# Science Courses at a Glance

All students need 3 science credits in order to graduate that include:

- Earth - Geophysical, AP Environmental Science or Environmental Science
- Life - Biology
- Physical Science - Chemistry or Applied Science and Engineering

Level	9th Grade	10th Grade	11th Grade	12th Grade
<b>Academic</b>	Geophysical Science	Biology	Chemistry or Applied Science and Engineering  and Optional electives	Physics or electives
<b>Honors</b>	Geophysical Science Honors	Biology Honors	Chemistry Honors  and Optional Elective	Physics Honors  or Electives
	Biology Honors	Chemistry Honors  Students could take (AP Bio or APES concurrently with chem)	AP Environmental Science or Environmental Science (.5)  and  Electives *seniors will get priority scheduling for Physics	Physics Honors  and/or  AP Biology AP Chemistry Electives

In addition, the science department offers a wide range of electives:

### 2 Credit Electives

AP Biology  
AP Chemistry

### 1 Credit Electives

AP Environmental Science  
Pathway to Medical Careers (CNA)

### .5 Credit Electives

H Anatomy and Physiology  
Environmental Science  
Forensics  
Horticulture  
Marine Biology  
Understanding the Human Body

# Naugatuck High School

## Geophysical Science

Levels: Honors / Academic

Prerequisites: None

Credit Value: 1

Terms offered: Full year

Open to Grade: 9

Students will research and explore our planet Earth in this integrated physical science course. Through this exploration students will look at Earth and its position in the solar system. Additionally students will explore Earth systems, natural resources and the impact that humans have had on each of them in order to answer the following questions: How and why is Earth constantly changing? How do Earth's surface processes and human activities affect each other? What is the universe, and what is Earth's place in it? How can one explain and predict interactions between objects and within systems of objects? Students will experience growth as researchers and informed thinkers through the investigation of relevant problems and issues humans and our planet Earth are facing.

## Biology

Levels: Honors / Academic

Prerequisites: None

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 10, (9 Honors)

Students will collect, analyze and evaluate data in order to identify trends and relationships found in our living world. Students will explore topics in ecology, cellular biology, molecular biology and evolution in order to answer the following questions: How do organisms interact with the living and nonliving environment to obtain matter and energy? How do organisms obtain and use energy they need to live and grow? How do matter and energy move through ecosystems? How do the structures of organisms enable life's functions? How are the characteristics from one generation related to the previous generation? How can there be so many similarities among organisms yet so many different plants, animals, and microorganisms? How does biodiversity affect humans? Students will grow as researchers and problem solvers through laboratory investigations and case studies.

# Science Department

## Chemistry

Levels: Honors / Academic

Prerequisites: Algebra I and Biology

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 10, 11

Students will explore topics such as structure and properties of matter, nuclear processes, chemical reactions, energy, the relationship between energy and forces, and energy in chemical process and everyday life in order to answer the following questions: How can one explain the structure and properties of matter? How do substances combine or change (react) to make new substances? How does one characterize and explain chemical reactions and make predictions about them? How is energy transferred and conserved in chemical reactions? Students will grow as researchers, problem solvers, and communicators through laboratory investigations and modeling how changes at the atomic level produce what we see every day.

## Applied Science and Engineering

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 10, 11

Students will explore topics such as structure and properties of matter, chemical reactions, energy, forces, and motion in order to answer the following questions: How do the properties and structure of matter explain why different materials have different uses? How do substances combine or change (react) to make new substances? How do objects in everyday life move? How do helmets and airbags protect us from the force of an impact? Students will experience growth as innovators and problem solvers as they explore how forces and chemical reactions impact our everyday life.

# Naugatuck High School

## Physics

Levels: Honors / Academic

Prerequisites: Algebra II, Geophysical Science or Biology, Chemistry or Matter & Motion

Credit Value: 1.0

Terms offered: Full year

Open to Grades: 11, 12

Students will explore Newtonian mechanics, thermodynamics, wave motion, sound, optics, electricity, magnetism and atomic structure in order to answer the following questions: How do Newton's Laws of Motion explain how objects in everyday life move? How do helmets and airbags protect us from the force of an impact? Where does electricity come from and how does it power the electronics we use? How are electricity and magnetism related and what everyday items require electromagnets? How does the frequency and wavelength of sound and light waves determine how we perceive and use them? Students will experience growth as innovators and problem solvers through laboratory investigations that focus on engineering and design solutions.

## AP Biology

Level: Advanced Placement

Prerequisites: Biology and Chemistry (or concurrent enrollment in Chemistry)

Credit Value: 2.0

Terms offered: Full year

Open to Grades: 11, 12

Requirements: Summer work. AP fee required (fee waiver available to eligible students)

The AP Biology course provides students with a college-level foundation to support future advanced coursework in biology. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The AP Biology course is designed to be the equivalent of the general biology course usually taken by majors during their first college year. Upon completion of this course, all students will be required to take the Advanced Placement exam.

# Science Department

## AP Chemistry

Prerequisites: Algebra II, Chemistry

Credit Value: 2.0

Terms offered: Full year

Open to Grades: 11, 12

Requirements: Summer work. AP fee required (fee waiver available to eligible students.)

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry.

Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken by majors during their first college year. Upon completion of this course, all students will be required to take the Advanced Placement exam.

## AP/UConn ECE Environmental Science

Prerequisites: Biology, Chemistry (or concurrent enrollment in Chemistry)

Credit Value: 1.0 (3 UConn credits)

Terms offered: Full year

Open to Grades: 11, 12

Requirements: Summer work. AP fee required (fee waiver available to eligible students.)

This course will explore and investigate the interrelationships of the natural world, identify and analyze environmental problems, both natural and human-made, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving and/or preventing them. Students will participate in hands-on, laboratory and field investigations to apply scientific principles, concepts, and methodologies in order to better understand our natural systems and to critically think about environmental issues and potential solutions. The AP Environmental Science course is designed to be the equivalent of a college introductory environmental science course. Upon completion of the course all students will be required to take the AP exam.

# Naugatuck High School

## Environmental Science

Levels: Academic (w/ honors contract option)

Prerequisite: Biology

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 10, 11, 12

Environmental Science is an issues-based course which explores the fragile relationship between our species and our home, Earth. A rapidly growing world population has impacted our planet in many ways. This course explores many of the critical issues challenging us today.

## Human Anatomy and Physiology

Levels: Honors

Prerequisite: Biology

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 10, 11, 12

This course covers the structure and function of human body systems including tissue types. Emphasis is placed on normal structure as well as abnormal pathology of systems. Each topic involves a hands-on dissection, lab investigations and case studies. Students interested in health-related careers may want to consider this course.

# Science Department

## Forensics

Levels: Academic (w/ honors contract option)

Prerequisites: Biology and Chemistry OR Matter and Motion

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 11,12

This course is a study of the life and physical sciences used by police agencies in the criminal justice system. Major topics include processing a crime scene; collecting and preserving fingerprints and other forms of evidence; triangulating a crime scene; identification of physical evidence; analysis of inorganic and organic materials like hair, fibers, paint, etc.; document analysis; firearms identification; toxicology; and explosion and arson identification. This course will use real world examples, multimedia sources, basic theory, and laboratory work. Experiments will reinforce basic principles of life and physical sciences.

## Understanding the Human Body

Levels: Academic

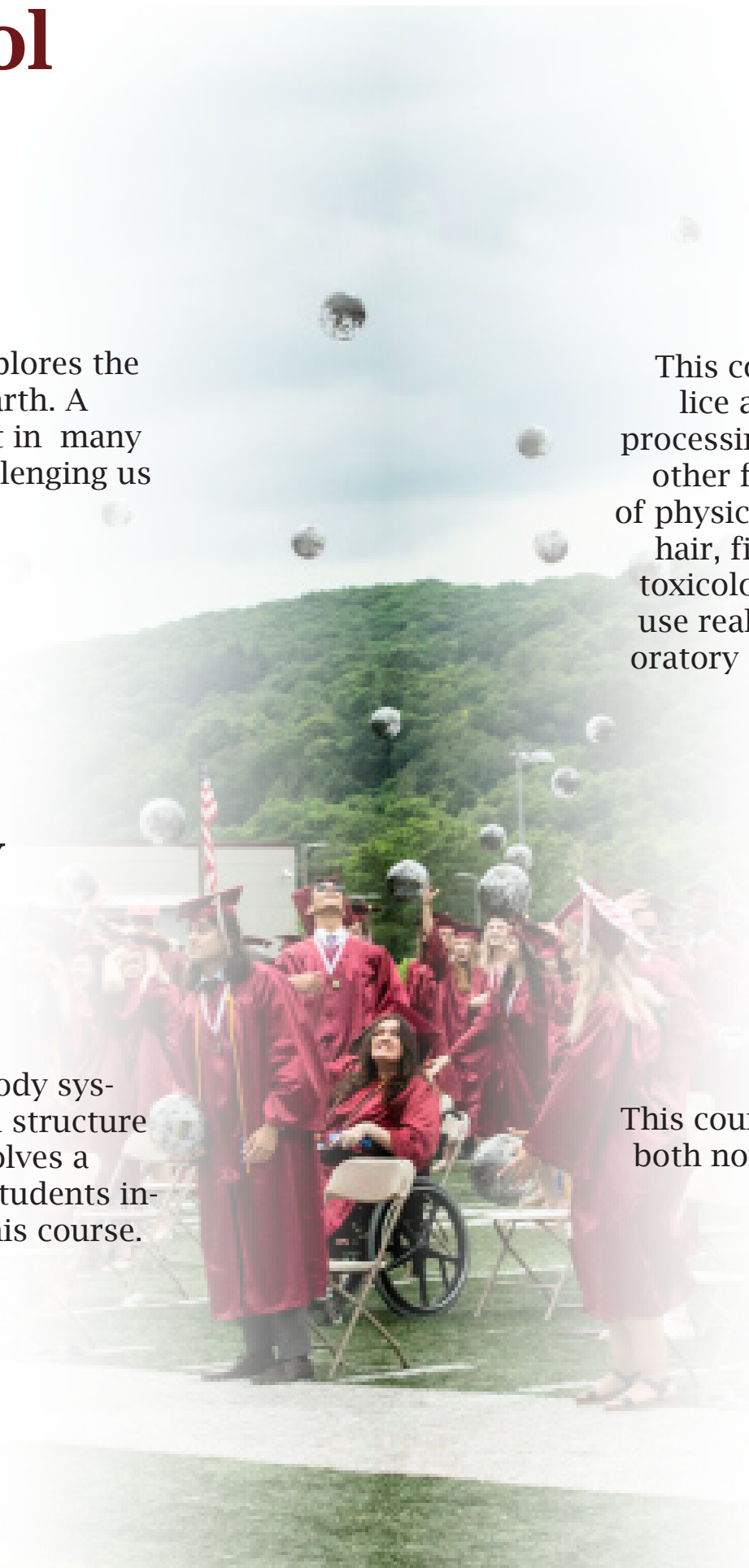
Prerequisites: Biology

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 10, 11, 12

This course explores systems of the human body. Students will learn both normal and abnormal functions of each system through cooperative group activities, selected readings and lab activities.



# **Naugatuck High School**

## **Introduction to Horticulture**

Levels: Academic (w/ honors contract option)

Prerequisite: Biology

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 10, 11, 12

This class is designed for students with an interest in plants. Students will study the identification, anatomy, growing, managing and sale of both floricultural and vegetative plants. Plant growth and development, soils and growing media, plant propagation and the use of growth regulators and chemicals will be examined in a hands-on manner. Additionally, students will become familiar with insect, disease and weed management as it relates to plant viability and sustainability. Both indoor and outdoor growing environments will be used to demonstrate the scientific principles of plant growth and reproduction. Students will be able to take home some of the plants and seedlings they have cultivated during the course.

## **Marine Biology**

Levels: Academic (w/ honors contract option)

Prerequisite: Biology

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 10, 11, 12

This course will serve as an introduction to the ecological and biological principles that govern marine systems. Students will explore basic oceanography, life history of marine species, different marine habitats and human impacts on the marine environment. Students will participate in hands-on investigations and dissections.

# **Science Department**

## **UConn ECE Medical Terminology**

Levels: ECE

Prerequisites: Biology

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 10, 11, 12

Introduction and mastery of medical terminology through presentation of word roots, prefixes and suffixes. Disease processes, symptoms, diagnosis, and treatments that affect various body systems. Terminology associated with disease processes, symptoms, diagnosis, clinical procedures, laboratory tests, and treatments that affect various body systems.

## **Introduction to Wastewater Treatment**

Level: Honors

Prerequisites: Biology

Credit Value: .5

Terms offered: S1

Open to Grades: 12

Study of the operations of wastewater treatment plants, with preparation for students to earn national certification as wastewater treatment plant operators. Course includes multiple site visits to both the Naugatuck plant and others in Connecticut. Two-course participants will have the opportunity to be selected for a paid internship in the spring with Veolia Water Treatment; successful completion of course and internship may culminate in immediate workforce placement with an estimated \$60,000 annual starting salary.

# Applied Education Department

Applied Education offers a variety of courses for students to explore and discover career interests and choices. In addition to the content of each specific course, the Applied Education team focuses on preparing students in the areas of Inquiry and Innovation, Communication and Collaboration, and Methods and Solutions. Students will also focus on becoming respectful, reliable and responsible citizens. Each course offers students the opportunity to engage in the application of knowledge through authentic learning experiences where they will gain industry ready skills for both post-secondary education and entry level careers.



# Applied Education Courses at a Glance

Students need 1 Applied Education credit in order to graduate; the department offers multiple career pathways:

Career Pathway	Grade 9	Grade 10	Grade 11	Grade 12
Business & Finance	Intro to Business	Intro to Business Accounting Business Law Bank Experience	Intro to Business Accounting Business Law Bank Experience Personal Finance	All courses
Marketing Management	Intro to Business	Intro to Business Marketing I Sports & Ent. Marketing	Intro to Business Marketing I Marketing II Sports & Ent. Marketing	All courses except Marketing I
Culinary			Culinary I	Culinary II
Graphic Design	Intro to Photoshop Intro to Animation Intro to Web Design	All grade 9 courses plus: Advanced Photoshop & Digital Imaging	All courses	All courses
Technology & Computer Applications	Computer Applications Computer Science Discoveries Intro to CADD Intro to Gaming & Design	All grade 9 courses plus: AP Computer Science CADD I	All grade 9 and 10 courses plus: CADD II Architecture	All courses
Construction	Intro to Construction	Intro to Construction Construction I	All courses	All courses
Video Production	Intro to Video Production	Intro to Video Production Video Production I	All courses	All courses
Manufacturing	Manufacturing Fundamentals	Manufacturing Fundamentals  Manufacturing and Machining Principles	Manufacturing and Machining Principles  Advanced CNC Manufacturing	Advanced CNC Manufacturing

# Naugatuck High School

# Applied Education: Business, Finance, and Marketing

## Introduction to Business

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 9, 10, 11, 12

The goal of this course is to introduce the world of business that we all will experience. This course will introduce a variety of business topics in the area of basic economic concepts, marketing/advertising practices, accounting principles, entrepreneurship strategies, business law, hospitality & tourism, and ethical business decisions. This course will prepare you to develop positive attributes necessary to attaining sound business sense and the elements to create a simple business plan.

## Accounting

Levels: Academic

Prerequisites: None

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 10, 11, 12

Accounting provides an understanding of the basic elements of the double-entry accounting systems. Activities include the accounting equation, the accounting cycle, entering transactions into journals, posting to ledgers, end-of-period statements and reports, payroll systems, banking activities and taxes. Accounting is beneficial to all students because it is a financial information system and the language of business. This course provides skills needed for entry-level employment as well as a foundation for post-secondary study in accounting or other business areas.

## College Accounting

Levels: Advanced Placement/Dual Enrollment

Prerequisites: 2 years math (1 must be Algebra I)

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 11, 12

Potential to earn: University of Bridgeport Credit

College Accounting is an introduction to financial accounting with an emphasis on the use and interpretation of financial accounting information for businesses organized as corporations. The course focuses on the fundamental theory and principles of accounting, and utilizes accounting procedures to clarify and demonstrate the underlying concepts.

## Personal Finance

Levels: Academic

Prerequisites: None

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 11, 12

Personal finance will provide students with the knowledge to responsibly and effectively manage their money, not only for today, but also for the rest of their lives. The main objectives of the course will be to learn and apply the financial planning process through assignments that relate to the student's experiences with money. Students will learn goal setting and decision making, financial planning, careers, personal budget, smart shopping, savings and investing, using credit cards wisely, how debt affects them, and keeping auto insurance costs down.

# Naugatuck High School

# Applied Education: Business, Finance, and Marketing

## Business Law

Levels: Academic  
Prerequisites: None  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 10, 11, 12

Business law focuses on the introductory concepts and procedures of laws affecting business and business relationships. Topics include contracts, ethics, employment law, credit, banking, partnerships, and bankruptcy. This course provides the skills needed for the legal aspects of entry-level employment as well as the foundation for post-secondary study in business law or other business areas.

## Marketing I

Levels: Academic  
Prerequisites: None  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 10, 11

This course provides an overview of marketing and business concepts, with emphasis placed on application of knowledge in such areas as product selling, advertising, merchandising, display, distribution and product management. Students will analyze and critique various businesses. Students are encouraged to participate actively in DECA, in leadership conferences, competitions and in-school legacy DECA events. NHS Marketing/DECA students may take an active role in the operation of the school store (The Dog House).

## Marketing II

Levels: Academic  
Prerequisites: Marketing I  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 11, 12

This course refines and expands the skills obtained in Marketing I. Marketing II involves learning the management, function, operation, and marketing of various businesses. Emphasis is placed on areas such as problem solving, opportunity recognition, market analysis, organizations, human relations, corporate social responsibility, finance, and product management. Students learn about marketing across cultures from different countries and the influence of consumer behavior on marketing efforts. Students will apply knowledge of all concepts learned to create a professional business plan. Students are encouraged to participate actively in DECA, in leadership conferences, competitions and in-school legacy DECA events. NHS Marketing/DECA students may take an active role in the operation/Management of the school store (The Dog House).

## SCSU Sports & Entertainment Marketing

Levels: Dual Enrollment  
Prerequisites: None  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 11, 12

A study of the historical evolution of the field of sport management, with particular focus on current practices, issues, and trends that arise in a variety of sectors of the ever-growing sport industry. Students explore career opportunities available in sport management. This course will enhance students' written and verbal communication skills, critical thinking skills, and ability to discuss and formulate an informed position on various issues in today's sport environment. Students learn how fundamental principles and structures in management, marketing, law, finance, and other fields interrelate as components in the overall operation of a sport organization.

# Naugatuck High School

## DECA Marketing Experience

Levels: Academic (w/ honors contract option)

Requirement: Concurrent enrollment in Marketing Course

Credit Value: Up to 1.0

Terms offered: Half or Full Year

Open to Grades: 10, 11, 12

The DECA Marketing Experience is an extension of Marketing I and II classes. Students are afforded the opportunity to apply what has been learned in class through state and regional leadership conferences, real-world, in-school and community-based events, and comprehensive events at both the state and international levels. The legacy events such as Crossing the Line, Shoebox Christmas, Clash for the Cure and Rip the Runway offer marketing students the chance to apply basic to complex marketing skills, including but not limited to: advertising, promotion, budgeting, selling, and project management. Additionally, DECA students take on singular community-based events as required. Students extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

## Business Banking Experience

Levels: Academic

Requirement: Summer training week

Credit Value: Up to 1.0

Terms offered: Full Year

Open to Grades: 10, 11, 12

The Business Banking Experience is offered to eight students a school year to engage in a real world experience working as a bank teller at the school's Ion Bank branch. Students will be selected based on an application and interview process with bank personnel and school staff. Students will be required to perform daily bank transactions during branch hours. In addition, monthly bank reports will be required to be completed in a timely manner. This opportunity will allow students to network and form professional relationships with bank personnel that could potentially lead to employment opportunities.

# Applied Education: Business, Finance, and Marketing



# Naugatuck High School

## Culinary Arts I

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 11

Through Culinary Arts, students explore the basic cooking methods and culinary techniques used in the production of soups, salads, vegetables, stocks, and sauces. Students also develop in the preparation of meats, poultry and seafood, focusing on quality and commercial preparation. Students will develop in the role of food preparer and use attitudes and skills to create a functional kitchen environment. Students will also investigate the areas of weights and measures, recipe conversion and the use and care for culinary tools and equipment, all of which will be experience for entry into the food service industry. Additionally, students gain a hands on, real-world experience working in the kitchen. Students create meals and cater events. Students learn to communicate effectively with those in the community through catering events, other students in the kitchen, and a variety of individuals in the culinary community. Students solve authentic problems as they use their classroom skills in the kitchen while creating safe environments, habits and practices as students are the sole operators of the school restaurant.

# Applied Education: Culinary

## Culinary Arts II

Levels: Academic (w/ honors contract option)

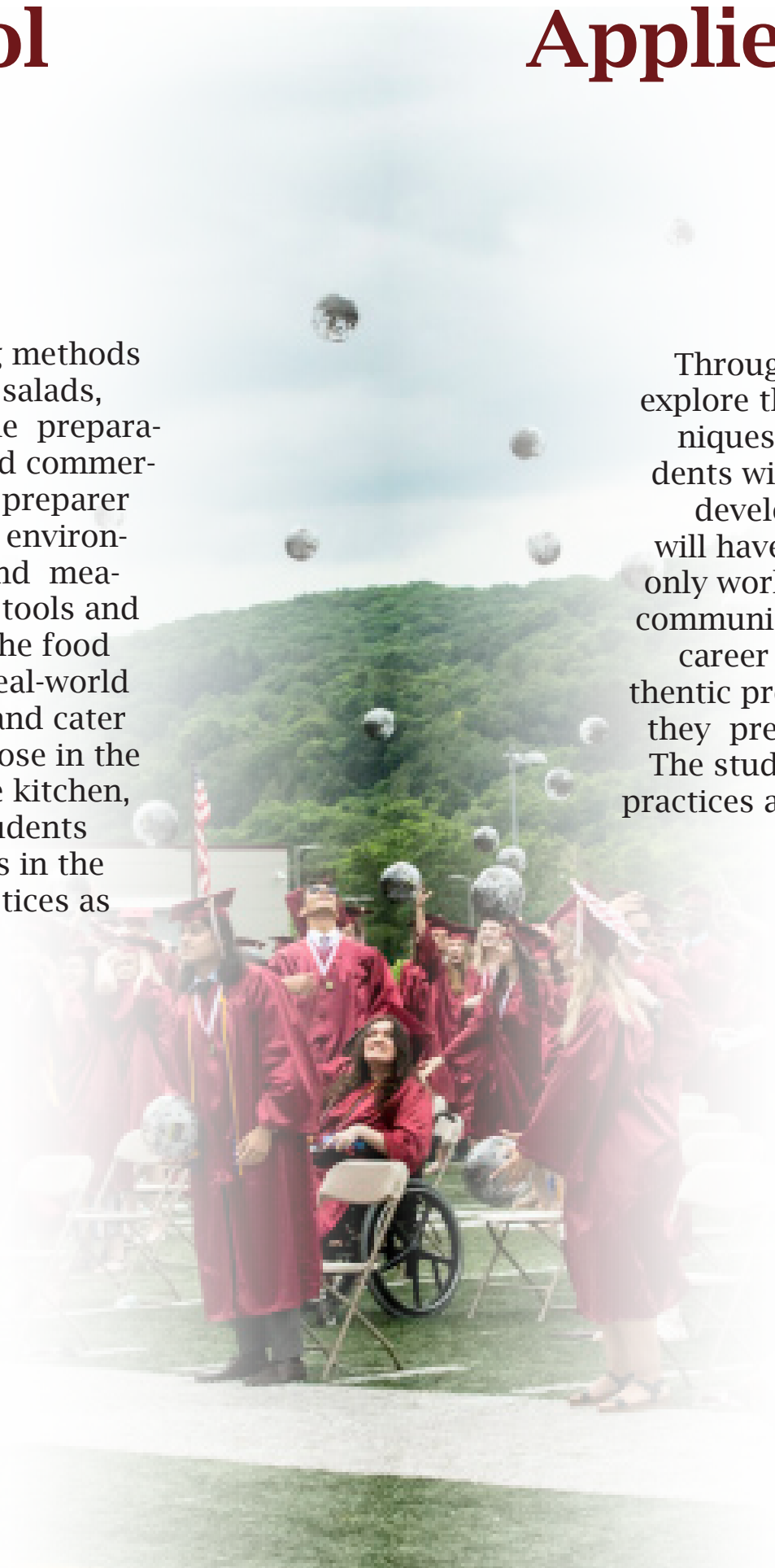
Prerequisites: Culinary Arts I

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 12

Through the next level Culinary course, students will continue to explore the basic principles of cooking methods and culinary techniques with a greater emphasis on the production of meals. Students will take a lead role in helping run the culinary program and develop as a chef/food service provider. Additionally, students will have lab time to gain hands-on, real-world experiences by not only working in the school kitchen, but also at other school and/or community events. Students will continue to prepare for a culinary career by communicating effectively with others and solving authentic problems as they use their classroom skills in the kitchen as they prepare for future opportunities in the food service industry. The students will continue creating safe environments, habits and practices as they assume a lead role in the kitchen, cater events and participate in culinary competitions.



# Naugatuck High School

# Applied Education: Tech & Computer Applications

## Computer Applications

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

Want to learn how to make a terrific looking graph for your science lab? A digital cartoon for your English assignment? Make your own musical beats to add to a digital presentation or do a basic “touch up” of a photograph? Search the web faster with more accurate results? Computer Applications is a course designed to be an overview of how to use productivity and multimedia software applications and apply these skills to high school and beyond. Students will use the basic productivity software typically associated with word processing, simple spreadsheets, graphs, and presentation software. In addition, they will also have the opportunity to explore available online tools, cloud computing solutions, and multimedia software. The purpose of this class is to introduce students to software and technologies that they can use in current classes or

## Computer Science Discoveries

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

Computer Science Discoveries (CS Discoveries) is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. The course takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. The course inspires students as they build their own websites, apps, games, and physical computing devices, and is ideal for anyone interested in exploring the field.

## AP Computer Science Principles

Levels: Advanced Placement

Prerequisites: None

Credit Value: 1

Terms offered: Full year

Open to Grades: 10, 11, 12

AP Computer Science Principles invites students to explore computer science in a way that is open and accessible to all students - no programming experience required! The course will introduce students to the creative aspects of programming, exploring data, the Internet, cybersecurity concerns, and the impact of technology. AP Computer Science Principles also gives students the opportunity to use current technologies to create artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rich curriculum that aims to broaden participation in computer science. Students may elect to take this course at the AP or Honors level; students who elect to take the course at the AP level will take the AP exam in May.

## Introduction to Computer Aided Drafting & Design (CADD)

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

This course provides students with the opportunity to learn engineering principles utilizing CADD (Computer Aided Drafting and Design) with the same software used to design many of the world’s elite sports cars. Through this hands-on approach to learning, students are guided through the commands and operations necessary to use CADD. Students learn to use this powerful drafting and design tool by setting up, creating, modifying, detailing and printing working drawings. Mathematical and scientific processes will be reinforced as students solve real problems. In addition, 3-D modeling and 3-D printing will be explored, displayed and rendered.

# Naugatuck High School

# Applied Education: Tech & Computer Applications

## Computer Aided Drafting & Design I: Engineering Technologies (CADD I)

Levels: Academic (w/ honors contract option)

Prerequisites: Intro to CADD and Algebra I

Credit Value: 1

Terms offered: Full year

Open to Grades: 10, 11, 12

This course provides students with an understanding of the operation and application of a PC based computer aided drafting and design system along with conventional drafting methods and tools. Students gain valuable hands-on problem-solving experiences, including Windows NT, CADKEY, Workshop 20, Key Creator, Chief Architect, input devices, and output devices (plotters, printers, and PC video converters). The course presents sequential instruction about menus, settings, application, drawing aids and various commands. Basic and advanced problems and applications are included as an integral part of each laboratory activity. In addition, 3-D modeling and 3-D printing will be explored, displayed and rendered.

## Computer Aided Drafting & Design II: Engineering Design Process (CADD II)

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 11, 12

This course continues to utilize state of the art technology to produce working production drawings as well as three-dimensional models and animation technologies. Areas of concentration include applied Algebra, Geometry, Calculus, scientific processes, drafting rules and standards, interpreting engineering drawings, and using the technological method to solve problems. Students will use CADD software applications to develop three-dimensional geometric models, isometric views, wire frame techniques, section and auxiliary views, and assembly drawings. Students will utilize their knowledge and expertise to work on various school projects with local engineers and building developers

## Architecture Drafting & Design

Levels: Honors

Prerequisites: CADD II or Permission of Instructor

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 11, 12

Students study residential architecture styles, methods of construction, pertinent design criteria, building codes and estimation. Using CADD and Chief Architect, students will design and draw a complete set of plans for the house of their choosing on a specific lot. In addition, green construction and architectural designs with environmental concerns will be explored. Students will be provided with the opportunity to work with Chief Architect, Key Creator, DATACAD and Workshop 20 software. Students will be encouraged to investigate post-secondary career options through experiential opportunities. In addition, 3-D modeling and 3-D printing will be explored, displayed and rendered.

## Introduction to Gaming and Design

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

This course provides students with the opportunity to learn basic video gaming and design programming along with animation fundamentals. Through teacher-guided activities, students will explore Linear Games and their various components. This includes, but is not limited to: luck, and strategy and combination games that utilize the manipulation of animated figures such as dice, cards, and spinners in the playing of linear gaming. Creativity, mathematical applications, written explanations, game strengths and weaknesses, along with technological problem-solving rubrics, will be used to evaluate the success of the video gaming project.

# Naugatuck High School

# Applied Education: Graphic Design & Video Production

## Introduction to Photoshop and Design

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 9, 10, 11, 12

This course is designed to engage students in the application of knowledge of Adobe Photoshop and many different image-processing techniques through both individual and collaborative authentic learning experiences. Students will explore career pathways and understand the relevance of Adobe Photoshop, as an industry standard, for different disciplines, including graphic design, digital photography, web design, digital video editing, and animations. Adobe Photoshop is often a prerequisite for many other software programs and is the one program that everyone in every area of digital media should know. Students will partner with teachers on projects, and through project work, students will learn how to use several tools for selecting parts of images, re-touching, layers, special filters, painting, digital photography, and animation.

## Advanced Photoshop and Digital Imaging

Levels: Academic

Prerequisites: Introduction to Photoshop

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 10, 11, 12

Potential to earn: NVCC Credit DAT 108

This course is designed to engage students in building on the knowledge learned in Introduction to Photoshop. This course expands creative and design techniques through individual and collaborative authentic learning experiences. Students will explore career pathways and understand the relevance of Adobe Photoshop, as an industry standard, for different disciplines including graphic design, digital photography, web design, digital video editing, and animations. Students will partner with teachers on projects and through project work, students will learn how to use several tools and techniques including layer masking, advanced clipping paths, special effects, advanced typography and output for different mediums.

## Introduction to Animation

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 9, 10, 11, 12

Students will learn basic computer design concepts, terminology, processes, and procedures. Some topics include computer graphics software, electronic images, electronic publishing, vector based graphics, and interactive multimedia. Students will also learn 2-D and 3-D design techniques using basic animation software. Some topics include gif animation for web and character design, and commercial animation for film and video games.

## Introduction to Web Design

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: Semester 1 or Semester 2

Open to Grades: 9, 10, 11, 12

This course is designed for students who are interested in the fundamentals of building web pages and websites. Students will use the industry standard in web design software, including the Adobe Web Design Suite, and other programming languages. The course will include an introduction to web graphics and animation, and an introduction to web programming languages including basic HTML and CSS. With emphasis on online design and layout, students will become adept at building basic websites. One research project will be required to complete this course.

# Naugatuck High School

# Applied Education: Graphic Design & Video Production

## Introduction to Digital Video Communications

Levels: Academic (w/ honors contract option)  
Prerequisites: None  
Credit Value: .5  
Terms offered: S1 or S2  
Open to Grades: 9, 10, 11, 12

Students will explore and apply the technical principles of videography, including camera operations, composition, sequencing, editing, and other post-production operations. Students will work individually and collaboratively as they explore the basics of the video production process. Students will be given hands on experiences using camcorders and the digital editing software, iMovie.

## Digital Video Production

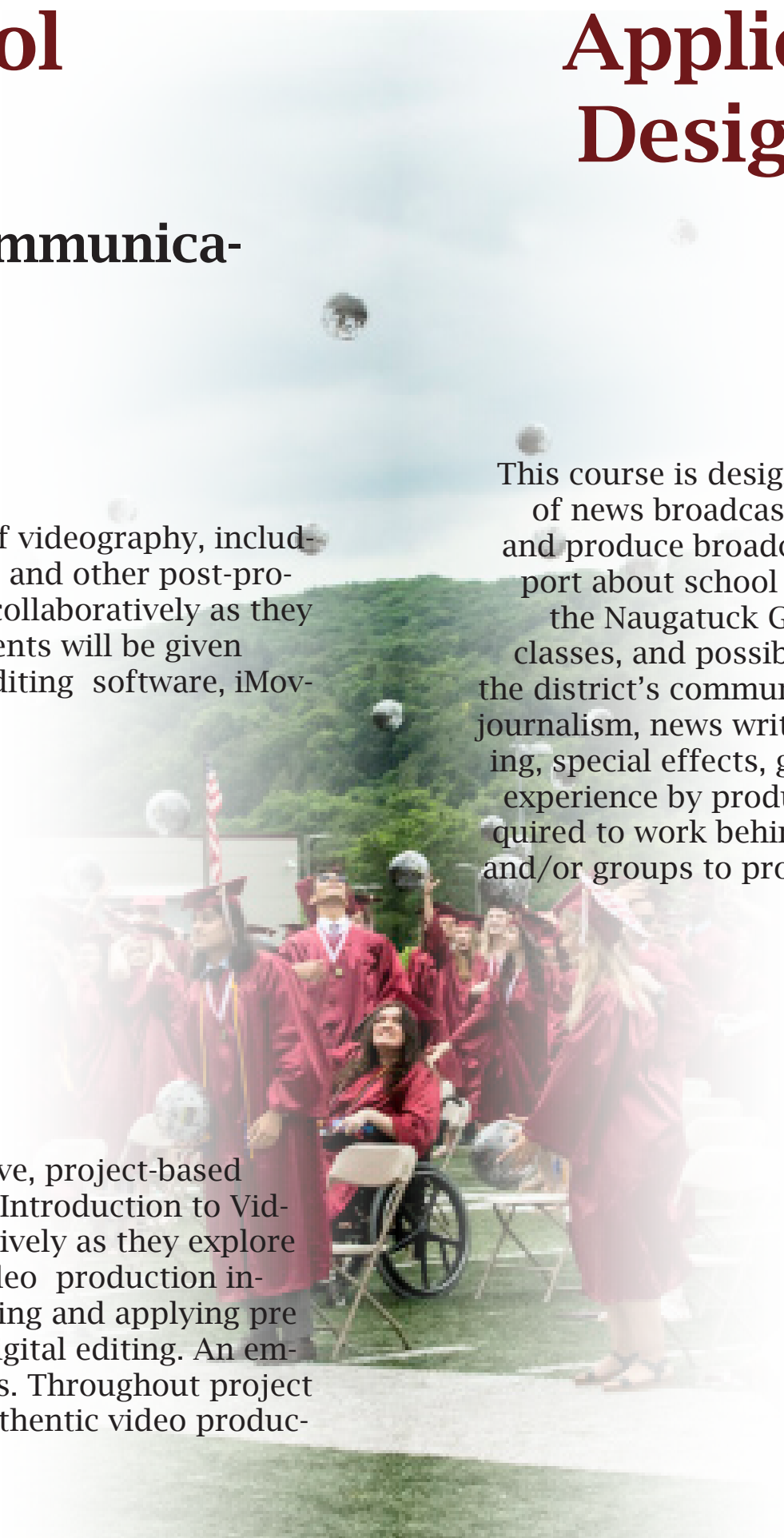
Levels: Academic (w/ honors contract option)  
Prerequisites: Intro to Video Production (B or better average)  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 10, 11, 12

This course is designed to engage students in a progressive, project-based video media program that builds on the skills learned in Introduction to Video Production. Students work individually and collaboratively as they explore career pathways and understand the challenges of the video production industry. Students will partner with teachers in understanding and applying pre production story-telling, visual design, production, and digital editing. An emphasis will be given to setting and achieving project goals. Throughout project work, students will utilize a state of the art studio for authentic video production.

## Broadcast Journalism

Levels: Academic (w/ honors contract option)  
Prerequisites: None  
Credit Value: 0.5  
Terms offered: Full Year  
Open to Grades: 10, 11, 12

This course is designed to give students journalistic and technical knowledge of news broadcasts (both radio and television). Students learn how to write and produce broadcasts (pre-recorded and live) for an audience. They will report about school events, clubs, sports, etc. Their work will be broadcast on the Naugatuck Greyhound news site currently run by the print journalism classes, and possibly will be posted to Youtube and other outlets utilized by the district's communications department. Students will learn about broadcast journalism, news writing, camera/lens work, editing, audio collection, podcasting, special effects, graphics, set design and more. Students will gain practical experience by producing news, sports and feature segments. Students are required to work behind the camera or in front of it. Students will work in pairs and/or groups to produce and publish assignments. Their work will be viewed regularly by the Naugatuck High School community.



# Naugatuck High School

# Applied Education: Construction

## Introduction to Construction

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 9, 10, 11, 12

Introduction to Construction is a course that focuses on the study of construction technology and the exploration of construction careers. Course content will be enhanced and supported through the use of a step-by-step, hands-on problem solving approach; students will work as individuals or in teams to solve real-world construction problems. These solutions will require students to use materials, tools, and processes used in the construction field. Class activities will reinforce skills previously learned in math, science, and language arts. Students will be encouraged to investigate post-secondary career options through experiential opportunities.

## Construction

Levels: Academic (w/ honors contract option)

Prerequisites: Introduction to Construction

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 10, 11, 12

This course is designed for those students who wish to acquire greater knowledge of the construction field. Students will learn how to safely operate many machines that are currently used in the construction field. Activities include the design, construction, and evaluation of various structures and models. Other topics will include the social and environmental impacts associated with the construction profession, as well as a study of the various materials used. Students will participate in field trips related to construction when available. Students will work individually or in teams to participate in activities that will reinforce math, science, and language arts skills.

## Construction Certifications

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: S1, S2

Open to Grades: 9, 10, 11, 12

This course focuses on the study of construction and the exploration of technical careers, and uses hands on experiences to provide students with opportunities to use computers, tools, machines and materials. Students will be required to work as individuals or on teams. Students will also study the effects of technology and its impact on the individual, society, and the environment. Students will be encouraged to investigate post-secondary career options through experiential opportunities.

## Building Trades Pre-Apprenticeship

Level: Academic

Prerequisites: None

Credit Value: 0.5

Terms offered: S1, S2

Open to Grades: 12

In this course, students will engage in a pre-apprenticeship program with the Connecticut Building Trades Training Institute. Coursework will include basics of working on a job site, safety procedures, and exposure to various trade careers and pathways. Students who successfully complete this course will be awarded a financial stipend and will be given priority for entry into union apprenticeship training programs with various building trades.

# Naugatuck High School

## Manufacturing Fundamentals

Level: Dual enrollment

Prerequisites: None

Credit Value: 1

Terms offered: Year long

Open to Grades: 9, 10, 11

This course is designed for students who are interested in manufacturing and pursuing future courses in the manufacturing pathway at Naugatuck High School. Students will focus on parametric modeling and design in both 2D and 3D in industry recognized software (SolidWorks). 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.

## Manufacturing and Machining Principles

Level: Dual enrollment

Prerequisites: Manufacturing fundamentals

Credit Value: 1

Terms offered: Year long

Open to Grades: 10, 11

This course focuses on the various practices of manufacturing. Through the creation of numerous inventive designs, students examine industry-practiced techniques and gain skills and knowledge in both craft manufacturing and mass production concepts through hands-on projects. Individual research is required while students investigate manufacturing techniques and project inspirations. Students will work in a collaborative lab space and will present and reflect during the duration of the course. It is a dual enrollment course offered in partnership with NVCC and can lead toward recognized industry certifications in Advanced Manufacturing.

# Applied Education: Manufacturing

## Advanced CNC Manufacturing (offered beginning in 27-28)

Level: Dual enrollment

Prerequisites: None

Credit Value: 1

Terms offered: Year long

Open to Grades: 11, 12

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.

# Health and Physical Education Department

The mission of the Naugatuck High School Health and Physical Education Department is to empower all students to reach their highest level of wellness as a foundation for a healthy, productive and fulfilling life.

The Health and Physical Education Department at NHS believes in the development of a healthy, physically fit student with an understanding of personal wellness. We believe it is our responsibility to develop in our students an awareness of the benefits of a healthy lifestyle, so they can make responsible decisions and be able to live a healthy life into adulthood. Students are required to earn 1 credit each in health and physical education courses in order to graduate.



# Health/PE Courses at a Glance

Students need 1 credit each in health and PE in order to graduate. Students typically earn these credits in the following sequence:

Grade 9: Health I and PE I

Grade 10: PE II

Grade 11 or 12: Health II or UConn ECE Health and Wellness for Everyone

# Naugatuck High School

## Health I

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: S1 or S2

Open to Grades: 9

Through the Health Education course, students examine a wide variety of concepts and topics and their impact on personal wellness. Students participate in learning experiences focused on responsible healthy behaviors, researching valid health information, effective interpersonal communication, and problem solving for personal health and wellness so that they can make informed health decisions that positively impact their personal wellness. In this course, students will grow as responsible citizens, informed thinkers and problem solvers by analyzing health promotion and disease prevention, analyzing the influence and impact of healthy and unhealthy decision-making, and accessing and evaluating the validity of health information.

## Health II

Levels: Academic

Prerequisites: None

Credit Value: 0.5

Terms offered: S1 or S2

Open to Grades: 11, 12

Health II provides students with the knowledge, attitudes, and skills to make healthy choices and decisions for themselves into adulthood. They will also develop skills that allow them to inform and assist others with making healthy choices as well. Students will develop a sense of responsibility for their own health and the necessary skills to implement healthy behaviors and attitudes now and in the future. Key concepts and topics include current health ideas and trends, mental and emotional health, violence prevention, non communicable diseases, healthy choices into adulthood, and sexual health.

# Health and Physical Education

## Physical Education I

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 0.5

Terms offered: S1 or S2

Open to Grades: 9

Through the Physical Education I course, students examine a variety of individual and group activities and their impact on personal health. Students participate in learning experiences focused on innovative movement, planning strategically to improve performance, analyzing personal wellness and being a socially responsible participant. This provides students with the skills and knowledge required to engage in lifelong health-enhancing physical activity. In this course, students will grow as responsible citizens, innovators and informed thinkers by demonstrating etiquette (safety and respect for self and others), refining activity specific movement, and analyzing stages of motor skill development to improve performance.

## Physical Education II

Levels: Academic

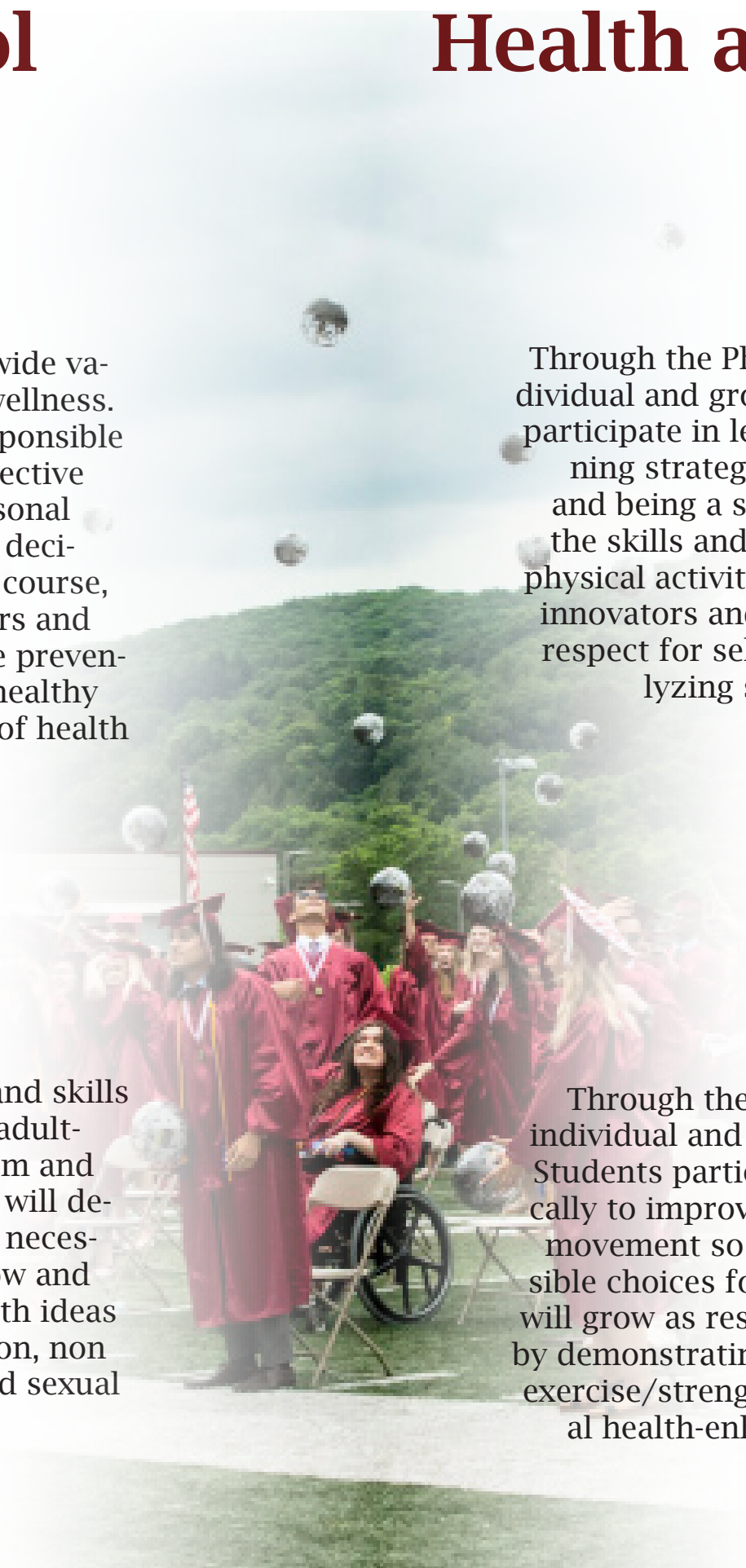
Prerequisites: None

Credit Value: 0.5

Terms offered: S1 or S2

Open to Grades: 10

Through the Physical Education II course, students examine a variety of individual and small group activities and their impact on personal fitness. Students participate in learning experiences focused on planning strategically to improve performance, analyzing personal wellness and innovative movement so that students will value lifelong learning and make responsible choices for their personal health and fitness. In this course, students will grow as responsible citizens, innovators and lifelong wellness learners by demonstrating etiquette, analyzing the health benefits of cardiovascular exercise/strength training/flexibility, creating and implementing a personal health-enhancing wellness plan, and refining activity-specific specific movement concepts for personal health.



# Naugatuck High School

## Unified Physical Education

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: .5

Terms offered: S1 or S2

Open to Grades: 11, 12

Unified physical education at Naugatuck High School will run alongside the Adaptive physical education class. This course can be taken both semesters for a total of 1.0 credit or for half-year for .5 credit. Adaptive PE is developing, implementing and monitoring a carefully designed physical education experience for learners with disabilities. Adaptive PE provides skills necessary for a lifetime of leisure, recreation and sport experiences to enhance physical fitness and wellness for students with physical disabilities and require additional support to complete tasks and join in activities. Unified students will collaborate with the teacher to create a fun and safe learning environment for the adaptive students. Students will lead by example, create and lead activities, assist one on one or in small groups. Participants will have the opportunity to develop and improve sport-specific skills as well as increase self-esteem, maintain equal status with peers, and develop new friendships. In other words, a unified PE student will be a "PE Helper". Students will be encouraged to take part in unified sports as a peer helper.

# Health and Physical Education

## UConn ECE Contemporary Social Issues in Sport

Levels: Dual Enrollment

Prerequisites: None

Credit Value: 0.5 (3 UConn credits)

Terms offered: S1 or S2

Open to Grades: 11,12

Socio-cultural, economic, political, and other related issues in sport. Sport as a social institution, the impact of sport in American culture, and the impact of American culture on sport. Sport at the youth, intercollegiate, professional, and international levels; how sport at these levels is experienced differently by individuals, communities, organizations, and society. Issues in sport relative to gender, race (ethnicity), differing physical and intellectual ability, sexual identity, and gender identity.

## UConn ECE Health and Wellness for Everyone

Levels: Dual Enrollment

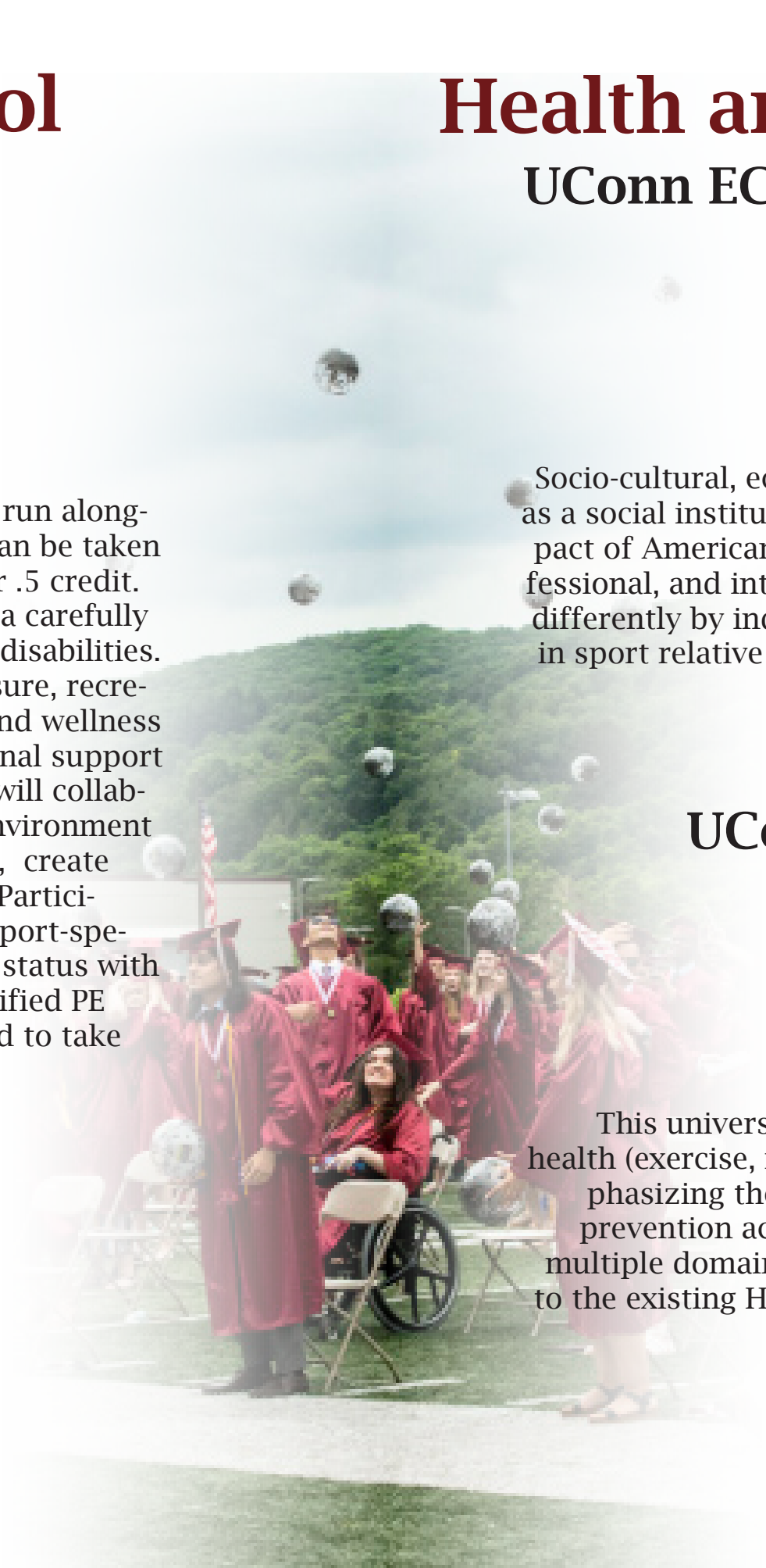
Prerequisites: PE 1, PE 2, and Health 1

Credit Value: 0.5 (3 UConn credits)

Terms offered: S1 or S2

Open to Grades: 11,12

This university level course provides an overview of the five pillars of health (exercise, nutrition, sleep, stress and relationships), specifically emphasizing the role that exercise plays in health promotion and disease prevention across the lifespan by presenting the impacts of exercise in multiple domains. This course would provide a more rigorous alternative to the existing Health II course, and a dual enrollment option for students with interest in health/wellness career fields.



# Naugatuck High School

## Introduction to Firefighting

Levels: Academic  
Prerequisites: None  
Credit Value: 1  
Terms offered: Full year  
Open to Grades: All

This course is designed to give authentic experience in what a firefighter does day in and day out and the steps involved to pursuing this career. In the firefighter course, students will participate in classroom and hands-on practical simulations similar to those in a firefighting academy, including: fire behavior, building construction, stretching hose lines, forcible entry, ladders, and much more. Students will be learning from certified fire instructors and professional firefighters with years of experience. Students will also be issued firefighting textbooks and firefighting personal protective equipment

## Teachers, Schools, and Society

Levels: Dual Enrollment (3 SCSU credits)  
Prerequisites: None  
Credit Value: 1  
Terms offered: Full year  
Open to Grades: 11, 12

An examination of the social, cultural, and political origins of contemporary schooling, with a focus on schools as social institutions that reflect larger social conflict and change. The course focuses on the role of teachers as both actor and subjects of educational reform movements. Course includes required field experiences in an educational setting.

# Public Service/Healthcare Pathways

## Pathways to Medical Careers

Levels: Dual Enrollment Prerequisite: Biology  
Credit Value: 3 (with additional dual enrollment credit)  
Terms offered: S1, S2  
Open to Grades: 12

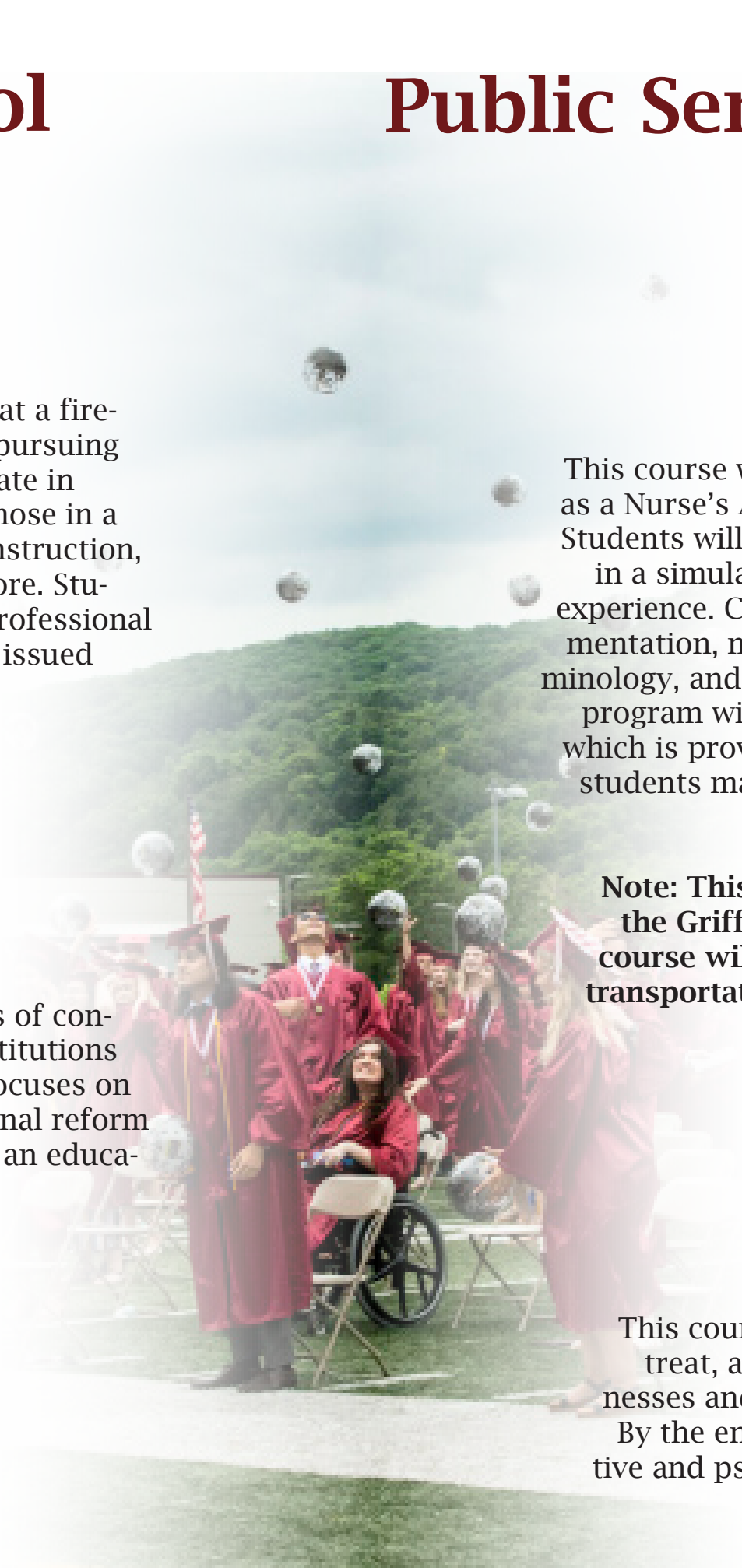
This course will prepare students for State of Connecticut Certification as a Nurse's Aide, Phlebotomy Technician, and Patient Care Technician. Students will have a chance to develop basic nursing and medical skills in a simulated lab setting, and participate in a long-term care clinical experience. Content will include work safety, communication and documentation, medical/legal ethics, anatomy and physiology, medical terminology, and pathophysiology. Students who successfully complete the program will be eligible for State of Connecticut Certification testing, which is provided at the conclusion of the course. Due to limited seats, students may be asked to submit an additional application depending on the number of requests.

**Note: This course is a hybrid program offered in partnership with the Griffin School of Allied Health in Naugatuck. Students in this course will spend the morning learning at the Griffin facility, with transportation provided back to NHS for regular classes during the last block of the day.**

## EMT Training

Levels: Dual enrollment  
Prerequisites: Biology  
Credit Value: 2  
Terms offered: Full year  
Open to Grades: 11, 12

This course is designed to prepare students to learn how to assess, treat, and transport sick and injured patients with a variety of illnesses and injuries, whether it be an individual or multiple patients. By the end of the program, the students will be evaluated on cognitive and psychomotor competencies to be eligible for NREMT testing.



# Naugatuck High School

The Air Force Junior Reserve Officer Training Corps (AFJROTC) is a four-year citizenship program. All AFJROTC courses are blends of material from an Aerospace Science (AS) component, a Leadership Education (LE) component, and a Wellness component. For organizational purposes, Aerospace Science is separated from the Leadership Education component in each AFJROTC class. In practice, however, the overlap is considerable. For example, writing and speaking skills are categorized as “Leadership Hours” but are also incorporated into the Aerospace Science courses. Additionally, many of the Aerospace Science topics are helpful in the Leadership Education classes. Each course has the AS component as 40% of the contact time, LE component 40% of the contact time, and the Wellness program (to include Drill and Ceremonies) as 20% of the contact time. To enhance classroom learning, students participate in extracurricular and social activities such as field trips, drill teams, color guard teams, honor guards, model rocketry, military balls, and awards banquets.

**A mandatory portion of the program is the requirement to meet Air Force grooming standards and to wear the uniform a minimum of one day every week.** Students who do not adhere to these standards may be removed from the program and they will not earn credit. If there are questions about the grooming and uniform requirements please contact the AFJROTC instructors prior to course enrollment.

There is no commitment or obligation to serve in the armed forces as a result of participation in Junior ROTC.

The Leadership Education Component is taught concurrently with the Aerospace Science Component

# Air Force Jr. ROTC

## Aerospace Science I: Milestones in Aviation History

Levels: Academic (w/ honors contract option)

Prerequisites: None

Credit Value: 1.0

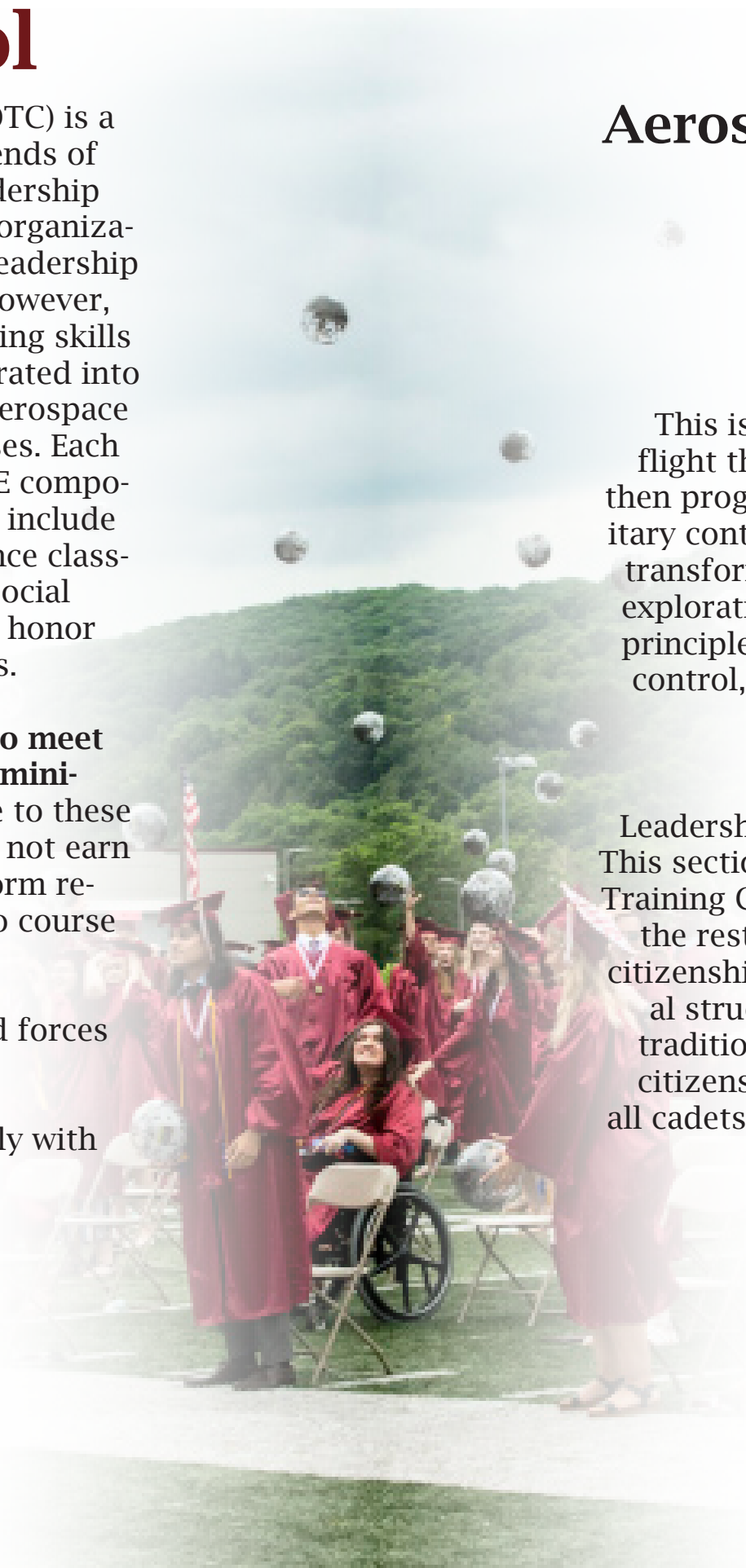
Terms offered: Full Year

Open to Grades: 9, 10, 11, 12

This is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses to modern day. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force; and a brief astronomical and space exploration history. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. Students may choose to earn Social Studies elective credit.

Course Also Includes:

Leadership Education I: Citizenship, Character & Air Force Tradition  
This section introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC), providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies and other military traditions; health and wellness; fitness; individual self-control; and citizenship. The first unit of this course will be taught each year to all cadets with the entire course being taught as required in succeeding years in AFJROTC.



# Naugatuck High School

## Aerospace Science II: Cultural Studies - An Introduction to Global Awareness

Levels: Academic (w/ honors contract option)

Prerequisites: Aerospace Science I

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 10, 11, 12

This course about the world's cultures is specifically created for Junior ROTC programs. It introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness. This course delves into history, geography, religions, languages, culture, political systems, economics, social issues, environmental concerns, and human rights. It looks at major events and significant figures that have shaped each region. Students may choose to earn social studies elective credit.

### Course Also Includes:

Leadership Education II: Communication, Awareness, and Leadership

This course focuses on communications skills and cadet corps activities. It is typically for second-year cadets, but may be offered to students in other grade levels. Information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches complement academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects.

ing years in AFJROTC.

# Air Force Jr. ROTC

## Aerospace Science III: The Science of Flight - Gateway to New Horizons

Levels: Academic (w/ honors contract option)

Prerequisites: Aerospace Science II

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 11, 12

This is a science course designed to acquaint students with the aerospace environment, the human requirements of flight, and the principles of aircraft flight. The course covers the atmosphere and weather and how the environment affects flight. Also covered are the forces of lift, drag, thrust, and weight and how they impact an aircraft in flight and on the ground. The Human Requirements of Flight unit is a survey course on human physiology, which covers the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

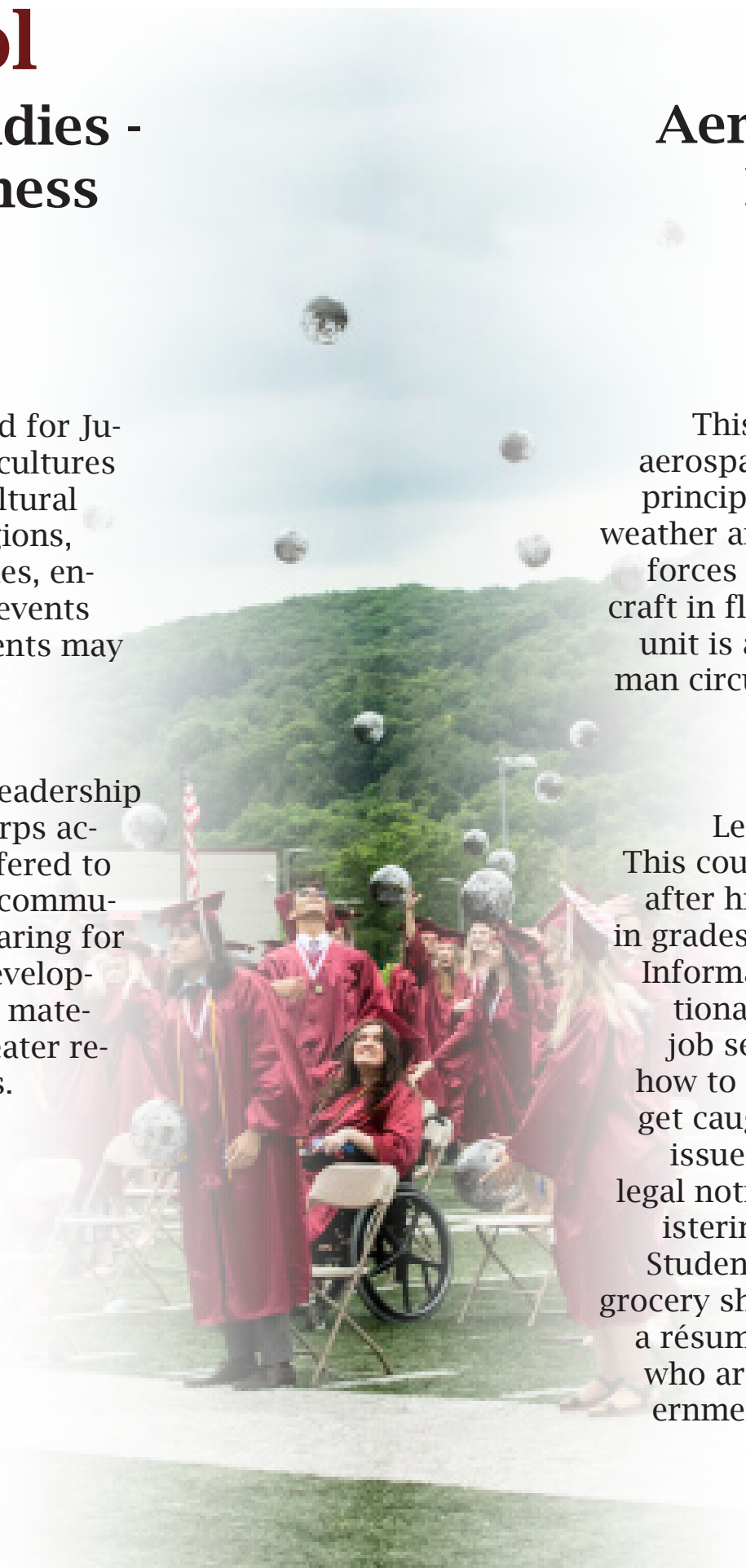
### Course Also Includes:

Leadership Education III: Life Skills and Career Opportunities

This course will be helpful for students deciding which path to take after high school. This LE component is typically offered to cadets in grades 11 and 12, but may be offered to students in other grades.

Information on how to apply for admission to college or to a vocational or technical school is included as well as how to begin the job search. Students will also learn about financial planning and how to save, invest, and spend money wisely, as well as how not to get caught in the credit trap. Students are informed about real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration is also included.

Students experience relevant learning like apartment hunting, and grocery shopping skills. There is also information on how to prepare a résumé and the importance of good interviewing skills. Students who are interested in a career in the military, with the federal government, or in aerospace will also understand the steps to take to secure a position.



# Naugatuck High School

## Aerospace Science IV: The Exploration of Space - The High Frontier

Levels: Academic (w/ honors contract option)

Prerequisites: Aerospace Science III

Credit Value: 1.0

Terms offered: Full Year

Open to Grades: 12

This course begins with the study of the space environment from the earliest days of interest in astronomy and early ideas about the universe during the Renaissance to modern astronomy. It provides an in-depth study of the Earth, sun, stars, moon, and solar system. Students will discuss issues critical to travel in the upper atmosphere such as orbits and trajectories, unmanned satellites, and space probes. Students investigate the importance of entering space and discuss manned and unmanned space flights. The course covers the human aspect of space flight, focusing on the human experience in space.

Course Also Includes:

Leadership Education IV: Principles of Management

This course is a guide to understanding the fundamentals of management, managing yourself, and others. This LE component is typically offered to senior cadets, but may be offered to students in other grades. Emphasis is placed on allowing the student to see himself/herself as a manager. Every organization, regardless of size, faces the challenge of managing operations effectively. No matter how well a manager carries out his or her job, there are always ways of performing more effectively. There are four building blocks of leadership considered in the military and civilian perspective: Management Techniques, Management Decisions, Management Functions, and Managing Self and Others. Attention to these four areas will form a strong foundation for a capability to lead others – something that can be very valuable in the real world.

# Air Force Jr. ROTC

## Additional requirements for AFJROTC Courses

### Drill and Ceremonies

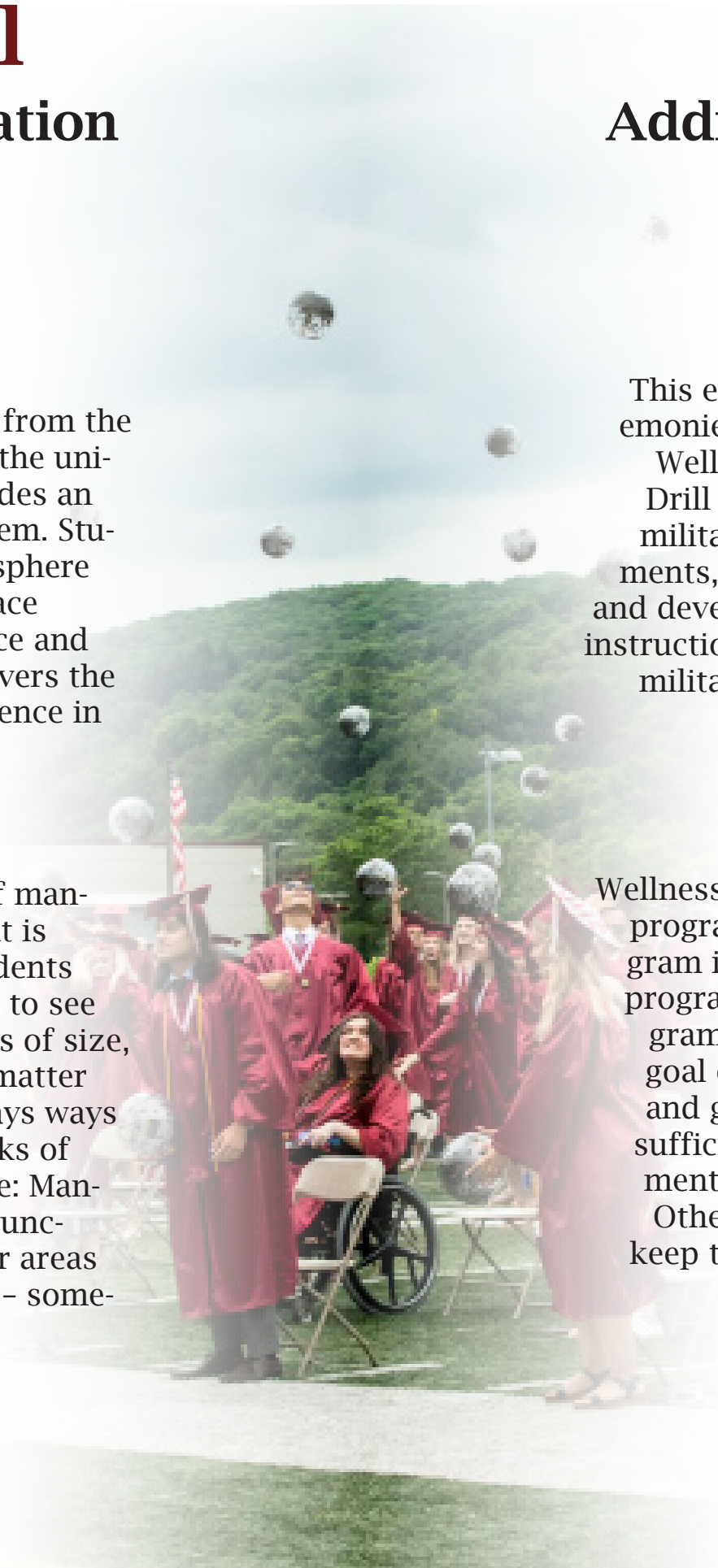
This experience provides an in-depth introduction to drill and ceremonies, and is taught as part of the Leadership Education and the Wellness components for each Air Force Junior ROTC class. The Drill and Ceremonies experience concentrates on the elements of military drill, and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades, and development of command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn drill.

Most of the work is hands-on.

### Wellness Curriculum

Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness/Physical Training (PT) Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. The wellness program is focused upon individual baseline improvements with the goal of working toward a national standard as determined by age and gender. The exercises develop all muscle groups and provide sufficient anaerobic and aerobic intensity. They require no equipment and use only body weight and common objects (e.g. chairs).

Other activities will be included, such as team sports, in order to keep the Wellness Program fun and motivating. Wellness is instrumental in building better citizens for America.



# Naugatuck High School

# Experiences and Additional Electives

## Teen Leadership

Levels: Academic (w/ honors contract option)  
Prerequisites: None  
Credit Value: 0.5  
Terms offered: S1, S2  
Open to Grades: 9, 10, 11, 12

Teen Leadership is an interactive experience that builds personal responsibility and leadership skills through role-play scenarios, group activities, speeches, and projects. Students in teen leadership will explore:

- Leadership skills
- Principle-based decision-making
- Personal responsibility
- Attitude
- Social skills
- Consequences of choices
- Resisting peer pressure
- Healthy relationships
- Conflict resolution and peer mediation
- Preparation for school-to-work transition
- Public speaking
- Goal-setting
- Financial literacy

## Yearbook

Levels: Academic (w/ honors contract option)  
Prerequisites: None  
Credit Value: 1  
Terms offered: Full year  
Open to Grades: 11, 12

Yearbook is a full year class where students will be responsible for the production, design, and publication of the school yearbook. This is a wonderful opportunity for students to be creative, develop new skills in computer design, photography, copywriting, and marketing. Students are expected to actively participate in high quality work both independently and with others.

## DECA Marketing Experience

Levels: Academic (w/ honors contract option)  
Requirement: Concurrent enrollment in Marketing Course  
Credit Value: Up to 1.0  
Terms offered: Half or Full Year  
Open to Grades: 10, 11, 12

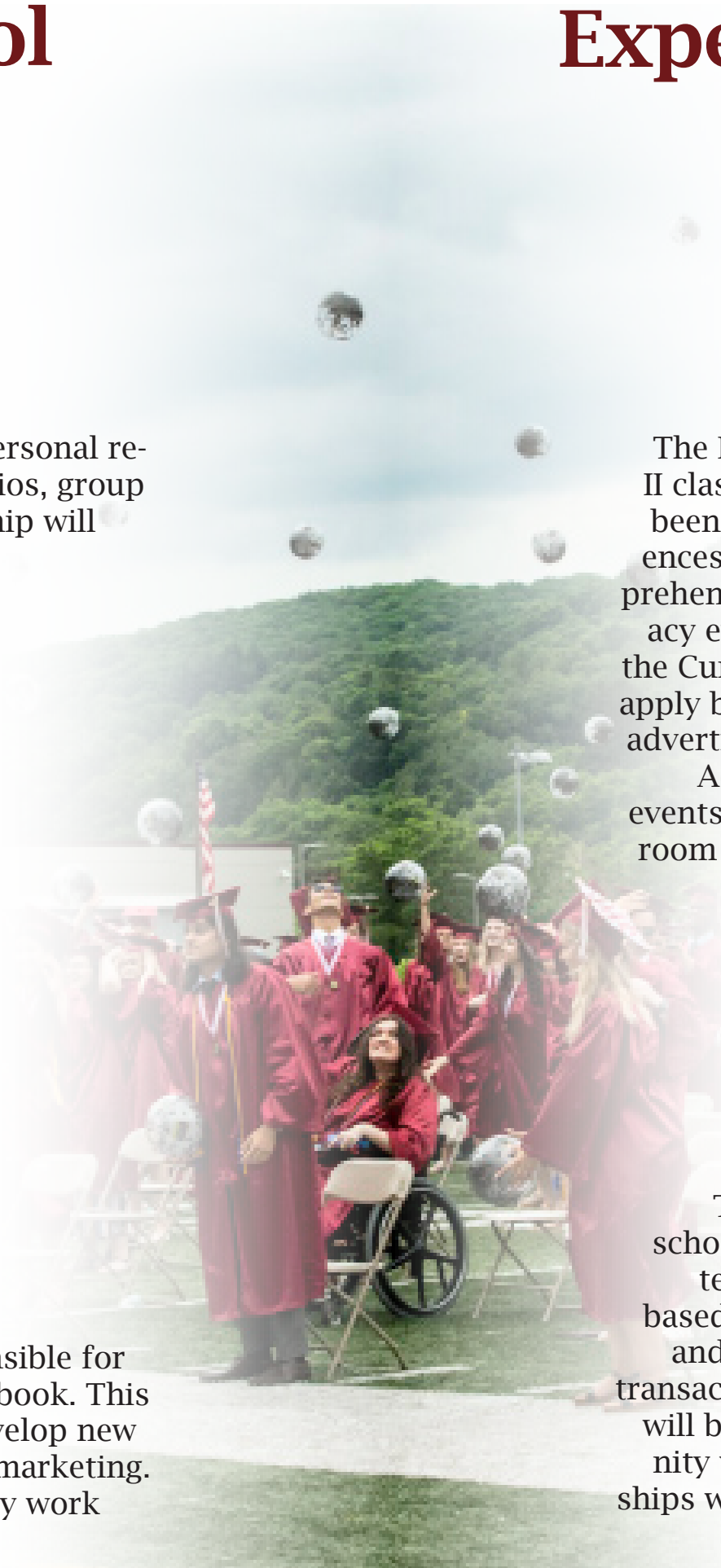
The DECA Marketing Experience is an extension of Marketing I and II classes. Students are afforded the opportunity to apply what has been learned in class through state and regional leadership conferences, real-world, in-school and community-based events, and comprehensive events at both the state and international levels. The legacy events such as Crossing the Line, Shoebox Christmas, Clash for the Cure and Rip the Runway offer marketing students the chance to apply basic to complex marketing skills, including but not limited to: advertising, promotion, budgeting, selling, and project management.

Additionally, DECA students take on singular community-based events as required. Students extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

## DECA Marketing Experience

Levels: Academic  
Requirement: Summer training week  
Credit Value: Up to 1.0  
Terms offered: Half or Full Year  
Open to Grades: 10, 11, 12

The Business Banking Experience is offered to eight students a school year to engage in a real world experience working as a bank teller at the school's Ion Bank branch. Students will be selected based on an application and interview process with bank personnel and school staff. Students will be required to perform daily bank transactions during branch hours. In addition, monthly bank reports will be required to be completed in a timely manner. This opportunity will allow students to network and form professional relationships with bank personnel that could potentially lead to employment opportunities.



# Naugatuck High School

## Marching Band Experience

Prerequisites: Concurrent Enrollment in Marching Band  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 9, 10, 11, 12  
Requirements: Performances

This course is open to all students who are serious about performing band literature at a high standard of excellence. Students will be expected to attend regular rehearsals and performances. The marching band performs in competitions, football games and parades. This is a performance experience, therefore, students are expected to be prepared for and perform in all rehearsals, sectionals, and performances. Students will extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

## Percussion Ensemble Experience

Prerequisites: Serious interest in band performance  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 9, 10, 11, 12  
Requirements: Performances

This course is open to all students who are serious about performing band literature at a high standard of excellence in authentic experiences. Students will be expected to attend regular rehearsals and performances that occur outside the school day. The percussion ensemble performs in competitions, music festivals and concerts. This is a performance experience, therefore, students are expected to be prepared for and perform in all rehearsals, sectionals, and performances. Students will extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

# Experiences and Additional Electives

## Winter Guard

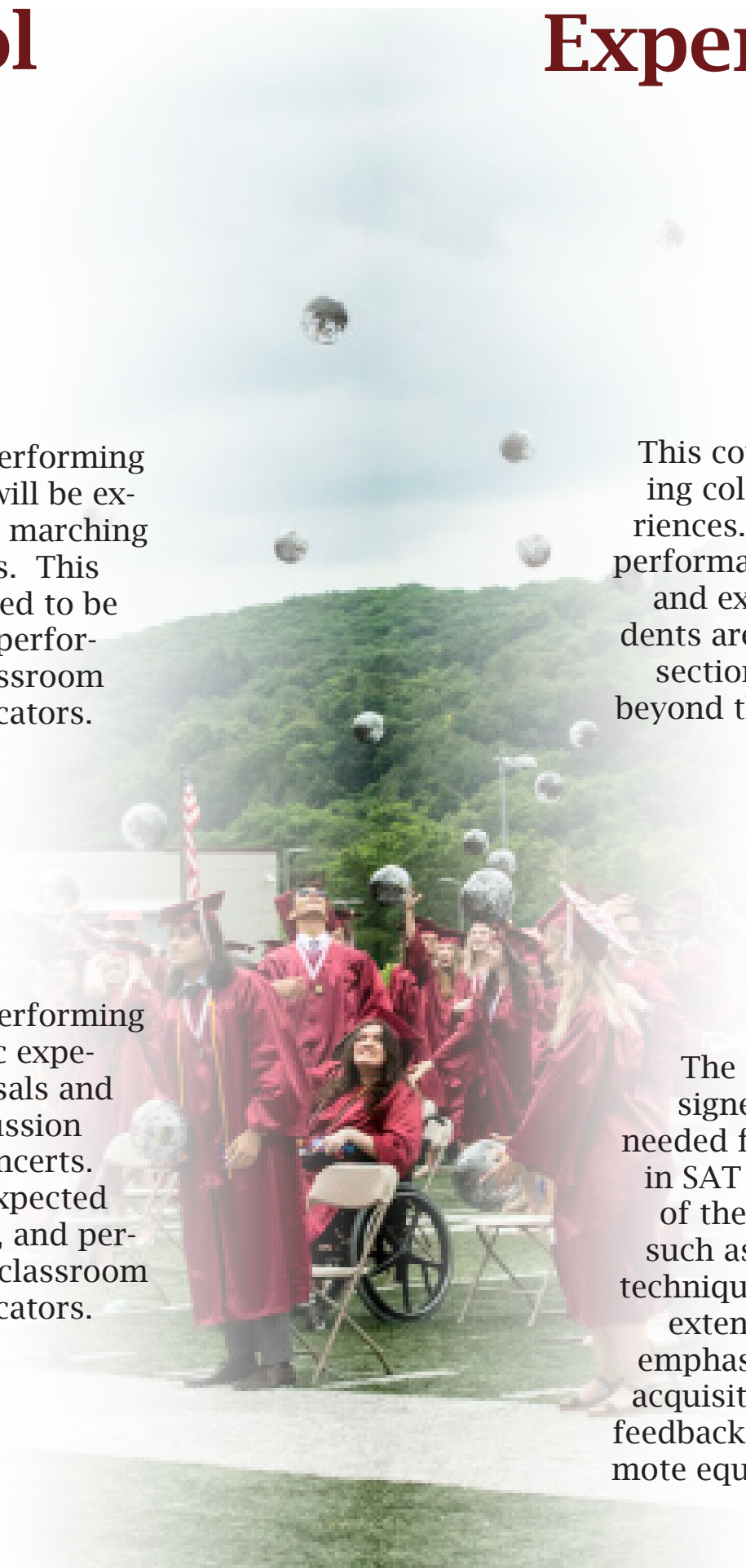
Prerequisites: Serious interest in color guard performance  
Credit Value: 1.0  
Terms offered: Full Year  
Open to Grades: 9, 10, 11, 12  
Requirements: Practice and Performances

This course is open to all students who are serious about performing color guard at a high standard of excellence in authentic experiences. Students will be expected to attend regular rehearsals and performances. The winter guard ensemble performs in competitions and exhibitions. This is a performance experience, therefore, students are expected to be prepared for and perform in all rehearsals, sectionals, and performances. Students will extend their learning beyond the classroom and demonstrate competence on specific performance indicators.

## SAT Prep

Levels: Academic  
Credit Value: 0.5  
Terms offered: S1, S2  
Open to Grades: 9, 10, 11

The SAT Preparation course is a half-year, 0.5-credit elective designed to support students in building the skills and confidence needed for the CT SAT. The course will provide targeted instruction in SAT math and verbal content, aligned to the structure and rigor of the exam. In addition, students will learn test-taking strategies such as time management, question analysis, and stress reduction techniques and strategies for maintaining focus and stamina during extended testing sessions to combat test fatigue. Instruction will emphasize practice with SAT-style questions deliberate vocabulary acquisition through high-utility academic language and data-driven feedback to strengthen performance. This course is intended to promote equitable access to exam preparation and support postsecondary readiness for all students.



## Non-Discrimination Policy

In compliance with regulations of the Office of Civil Rights and with Equal Employment Opportunity practices as determined by state and federal legislation, the Naugatuck Board of Education adopts as policy the following statement:

The Naugatuck Board of Education, as a matter of policy, does not knowingly condone discrimination in employment, assignment, program, or services on the basis of race, gender, color, religion, national origin, age, sexual orientation, disability, or unrelated abilities to perform duties of the position.

It is required that all program offerings, employment applications, and admission criteria in the Naugatuck Public Schools, including vocational education and adult education, must contain the above statement. Any concerns, questions, or necessary information regarding the above may be obtained by contacting Mr. John Lawlor, Title IX Coordinator for the Naugatuck Public Schools, at 720-5265.

## ADA 504 Notice Regarding Complaints

If any person believes that the Naugatuck Public Schools, any of the school's staff, or any Naugatuck Public School student has unlawfully discriminated against an individual, student, and/or parent on the basis of disability, s/he may bring forward a complaint in writing of the alleged incident to Director of Special Services Nicole Reichardt at the Naugatuck Board of Education.

## School Choice

According to state statute Sec. 10-22d, each local and regional board of education shall provide full access to regional vocational-technical schools, regional vocational agricultural centers, interdistrict magnet schools, charter schools, and interdistrict student attendance programs for the recruitment of students attending the schools under the board's jurisdiction, provided such recruitment is not for the purpose of interscholastic athletic competition.

Naugatuck participates with Interdistrict Magnet Schools in Waterbury, Regional Vocational Agricultural Centers in Woodbury (Nonnewaug H.S.), and Regional Vocational Technical Schools in Waterbury (Kaynor R.V.T.S.) and Ansonia (Emmett O'Brien R.V.T.S.).

Please contact your school counselor for information on the programs and enrollment process for each of these school options. The Connecticut State Department of Education also publishes an informational booklet, Public School Choice in Connecticut. Your counselor can provide you with a copy of this booklet.

