

WALLINGFORD PUBLIC SCHOOLS

COURSE PLANNING GUIDE



2024-2025

FOR STUDENTS AND PARENTS

Wallingford Public Schools

District Mission Statement and Vision

Mission: To inspire through innovative and engaging experiences that lead all learners to pursue and discover their personal best.

Vision: Wallingford Public Schools, in partnership with our families and community, will provide a safe, healthy and supportive environment that ignites an enduring passion for excellence in every learner, so that each becomes a life-long contributor to the local, national and global communities.

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Jill Hollis, School Counselor
Heather Kloiber, School Counselor
Brianna Kleckner, School Counselor
Catherine Olsen, School Counselor

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Lana Pekoske, Lead School Counselor
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Wendy Eaton-Soto, School Counselor

Dag Hammar skjold Middle School

Frank Jawidzik, Principal
Christine Melita, Assistant Principal

Michelle DiMauro, School Counselor
Susan Hudson, School Counselor
Paul Santagata, School Counselor

James H. Moran Middle School

Joseph Piacentini, Principal
Daniel Bologna, Assistant Principal

Courtney Barber-Devine, School Counselor
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High School Instructional Leaders

Marc Cellini, Science
Patrick Hubeny, Mathematics
Charles Scalesse, Social Studies
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Planning Your Program of Study and Counseling Assistance

The material outlined below is intended to be an aid to you and your parents in making decisions about selecting courses and study programs that are aligned to career goals. It is recognized, however, that printed material alone may be insufficient for you and your parents/guardians to make such important decisions. Therefore, both high schools provide many opportunities for small groups and individual assistance to you and your parents/guardians before and during the course selection process. Some of those special efforts take the following form:

- School counselors assist students in planning four-year programs of study.
- School counselors meet with students individually each year to help them select courses and parents/guardians are invited to attend these meetings with their students. Course selection workshops are offered for incoming grade nine students and their parents/guardians.

If scheduling conflicts arise and a student cannot be assigned to all of his/her course choices, the counselor will consult with the student about alternate selections. In addition, parents/guardians are invited to consult personally with their children's school counselors. Students are assigned to counselors alphabetically.

Lyman Hall High School - (203) 294-5360

Kaitlyn Kopylec, *Lead School Counselor*

Jill Hollis, Heather Kloiber, Briana Kleckner, Catherine Olsen

Mark T. Sheehan High School - (203) 294-5915

Lana Pekoske, *Lead School Counselor*

Maura Distante, Wendy Eaton-Soto, Erica Cerny

Students will be allowed to change their schedule prior to the beginning of the school year, provided they maintain the minimum credit requirement. Students will be allowed to change their second semester schedules during the first semester provided they maintain the minimum credit requirement and as long as the change does not require a change in a full year course placement.

Students may drop a course once the course begins only if it is the principal's judgment that the student was misplaced.

For Parents And/Or Students To Access Naviance:

Step 1:

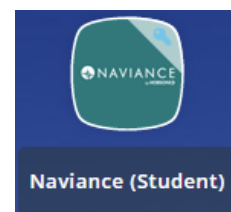
On any device, go to <https://launchpad.classlink.com/wallingford>

Step 2:

Sign in to ClassLink by entering your son/daughter's username and password, which are the same as those he/she uses to access their Chromebook.

Step 3:

Click the 'Naviance Student' icon within ClassLink, and you will be brought directly to the appropriate Naviance account.



Selecting Your Courses

With the help of your counselor and parents/guardians, you should develop a plan of courses that you will take during your high school years. This plan should focus both on meeting all the requirements for graduation as well as preparing for your future.

Each year, you will have the responsibility of selecting your courses. Your ability, interests, and future plans should serve as the guide in the selection of those courses. The school counselors, faculty, and administration will assist and guide you in your selections; however, before you begin to select your courses, give some thought to the following questions:

1. How well have you done in school so far?
2. In what subjects have you been particularly successful?
3. What subjects would you like to explore?
4. What are your post-high school plans? Have you looked into the college selection process? Have you looked into the possibility of beginning a career right after graduation? Have you discussed these plans with your parents/guardians and your counselor?
5. What role do extracurricular activities play in your school program and future plans?

Some of these questions may be difficult to answer on your own. Make certain that you have talked to people who may be able to help: your parents/guardians, teachers, counselor, and/or representatives from colleges, businesses and industries. Explore your interests as they relate to core career areas and career pathways.

Independent Studies

Independent studies may not be substituted for a core graduation requirement, and a student may undertake only one independent study in any one school year. Independent study may not count toward the course load requirement. Independent studies are graded on a pass/fail basis.

INDEPENDENT STUDY **9050 (1), 9010 (.5)**

Course Level: Unleveled

A student may earn .5 credit or 1 credit in a supervised independent study if:

1. The topic of the study is not an integral component of an existing course.
2. The student wishes to study in more depth a topic that was introduced in a course.
3. The student is a senior who has been unable to study a topic of interest because of scheduling conflicts.

A staff member certified to teach in the study's subject area must supervise an independent study; such supervision is voluntary. Proposals for independent study must be approved in advance by the building principal.

THE CURRICULUM

Wallingford High Schools are comprehensive high schools with a responsibility to all the youth of the community. Consequently, educational programs are available for students of varying abilities, interests, and goals. The program of studies consists of a core of required courses designed to provide students with the basic skills, knowledge, and attitudes that are the foundation of our social, civic and economic life. In addition, the program offers many electives which provide students with the opportunity for exploration and development of new interests, as well as for the further development of identified interests and abilities. Students elect their courses with parental consent. Students are encouraged to consult with classroom teachers and counselors to help determine cooperatively the course level(s) a student will be taking.

ACADEMIC LEVELS

All students have equal access to the curriculum to meet their learning needs, interests, and goals. Some courses are leveled to better serve student's individual needs. Placement is based on the student's academic performance, teacher and school counselor recommendations and parental consent.

1. ***Advanced Placement (AP)*** level courses provide an opportunity for students who are ready for a more rigorous college level experience. The Advanced Placement program, sponsored by the College Board, audits course curriculum and approves courses for AP designation. Advanced Placement syllabi, officially certified by the College Board, emphasize content depth, critical analysis, and synthesis.

The College Board offers a series of examinations in May of each year. Students who elect to take the examinations are required to pay an examination fee. The AP exam fee is set by the College Board annually. A fee reduction per exam is available for students with demonstrated financial need). Students who have a documented disability may be eligible for accommodations on these exams.

Colleges may award credit or waive a requirement for students who successfully complete the AP program and who score well on the AP examinations. Check with the institution directly or use the AP Credit Policy Info search at: collegeboard.org/apcreditpolicy for details.

2. ***Early College Experience (ECE)*** level courses provide academically motivated students the opportunity to take university level courses at their high school and receive both high school credit and college credit from The University of Connecticut (UConn). These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and financial head start on a college degree and other postsecondary opportunities.
3. ***Dual Enrollment (DE)*** level courses provide students the opportunity to take college courses at their high school and receive both high school and college credit from various public, private and community colleges within Connecticut. These courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and financial head start on a college degree and other postsecondary opportunities.
4. ***Honors (H)*** level courses provide students with challenging high school curriculum, instruction, and assessment. Honors courses proceed at a vigorous pace and require students to demonstrate critical thinking, analysis, and synthesis skills. Well-developed reading, numeracy, and writing skills are essential. Students are expected to be highly motivated to meet demanding coursework requirements.

5. **College and Career Prep 1 (CCP1)** level courses provide students with meaningful high school curriculum, instruction and assessment. CCP1 courses proceed at a pace that enables students to develop and demonstrate critical thinking, analysis and synthesis skills. Developing critical thinking and analysis skills are essential to success in today's advanced workforce that requires higher order thinking skills and specialized training as part of post-secondary education. Instruction and assessment of grade level reading, numeracy, and writing skills are emphasized.
6. **College and Career Prep 2 (CCP2)** level courses provide students with grade level high school curriculum, instruction, and assessment, often individualized to meet student learning needs or styles. CCP2 courses proceed at a pace that enables students to develop critical thinking, analysis or synthesis skills that are grade appropriate. Developing critical thinking and analysis skills are essential to success in today's advanced workforce that requires higher order thinking skills and specialized training as a part of post-secondary education. Instruction and assessment emphasize developing and strengthening students' skills in reading, numeracy, and writing.

Cancellation of Courses or Programs

Courses or programs listed and/or described in this document are subject to change at any time due to budgetary limitations, insufficient enrollment, and for other reasons determined by the Board of Education.

Authority of the Principal

The building principal shall have the final authority on issues regarding course selection and granting of credits. This shall include, but not be limited to, determination of credits for transfer students, exceptions to prerequisites, level changes, and diploma eligibility.

Grade Point Averages

Grade points are granted according to the level of the course and the mark earned in it, except for those courses designated as PASS/FAIL or unlevelled courses.

Program Considerations

Prerequisite Courses:

When a prerequisite course is listed, the student must have passed the prerequisite. A student may repeat a course to meet a grade requirement but not for credit towards graduation.

Repeating Required Courses Failed:

Students must repeat, in the subsequent summer or in the subsequent year, courses required for graduation which they fail.

Course Selection Requests that Cannot Be Accommodated:

Every effort will be made to fulfill students' requests. However, in instances where original selections cannot be accommodated, every effort will be made to arrange for placement in other classes suited to student interest and need.

Pass/Fail Option:

A student taking the minimum class load requirement (ie., 6.5 credits) may take one additional half or full credit elective course that is traditionally graded per year on a pass/fail basis. Elective courses are those not required for graduation. Students must select this pass/fail option prior to the beginning of the course and may not drop the pass/fail option once the course has begun. Also, students may not use the pass/fail option in any year in which they undertake an independent study for credit. A course taken on a pass/fail basis receives credit towards graduation, if the student passes, but the course is not counted in the calculation of the rank-in-class.

Finality of Course Selections:

Students will be allowed to change their schedule prior to the beginning of the school year as long as by doing so they do not drop below the minimum credit requirement. Students will be allowed to change their second semester schedules during the first semester as long as they do not drop below the minimum credit requirement as long as the change does not require a change in a full year course placement. Students may drop a course once the course begins **only if** it is the Principal's judgment that the student was misplaced.

Advanced Placement Program Expectations:

Students who wish to enroll in 3 or more AP courses during the school year must meet with their counselor prior to registration.

Any student who drops an AP class after the 7th meeting will receive a Withdrawal (W) on the transcript, regardless of their current grade in the AP course. In accordance with district practice, after 25% of the course has passed, a student who withdraws will receive a Withdrawal Fail (WF), or a Withdrawal (W) depending on their grade at the time of withdrawal.

Course Load Requirements

Students must carry a minimum of 6.5 credits per year of classroom courses. Independent study, work experience courses and external credit programs do not count toward the course load requirements.

Students are allowed to earn a maximum of eight credits of actual course work in any given academic year. In addition, a student may earn one additional credit through a work experience program (for example: CWE/BOE, Ag-Ed) or one additional credit in an independent study. Students may not earn work experience credit and independent study credit in the same year.

GRADUATION REQUIREMENTS

Graduating Classes in 2025

The following 26 credits are required:

Humanities <i>Including Civics and the Arts</i>	9.0 Credits	1.0. Literary Themes and Genres 1.0: World Literature 1.0: American Literature/AP Lang & Comp 1.0: Senior English Seminar/AP Lit & Comp 1.0: World History 1.0: US History .5: Civics/US Government & Politics 2.5: Additional Humanities Courses
STEM <i>Including Science, Technology, Engineering, and Mathematics)</i>	9.0 Credits	1.0: Algebra I 3.0: Additional Math Courses 3.0: Science Courses 2.0 Additional STEM Courses
Physical Education and Wellness	1.5 Credits	
Health and Safety	1.0 Credit	
World Language	1.0 Credit	
Additional Electives	4.5 Credits	Additional courses of student choice to complete both State of CT requirements as well as Wallingford Public Schools course load requirements.
Community Service Hours	30 Hours	Community service hours by the end of the student's senior year. Students transferring to high school after grade nine will have the amount of community service hours prorated.
Free Application for Federal Student Aid (FAFSA)		All seniors will need to complete the FAFSA form. Please see Policy#6148 for more details.

Graduating Class in 2026

The following 26 credits are required:

Humanities <i>Including Civics and the Arts</i>	9.0 Credits	1.0. Literary Themes and Genres 1.0: World Literature 1.0: American Literature/AP Lang & Comp 1.0: Senior English Seminar/AP Lit & Comp 1.0: World History 1.0: US History .5: Civics/US Government & Politics 2.5: Additional Humanities Courses
STEM <i>Including Science, Technology, Engineering, and Mathematics)</i>	9.0 Credits	1.0: Algebra I 3.0: Additional Math Courses

		3.0: Science Courses 2.0 Additional STEM Courses
Physical Education and Wellness	1.5 Credits	
Health and Safety	1.0 Credit	
World Language	1.0 Credit	
Fine and/or Vocational Arts	1.0 Credit	Art, Business, Family Consumer Science, Music, Technology Education Courses, Medical & Health Technologies
Additional Electives	3.5 Credits	Additional courses of student choice to complete both State of CT requirements as well as Wallingford Public Schools course load requirements.
Community Service Hours	30 Hours	Community service hours by the end of the student's senior year. Students transferring to high school after grade nine will have the amount of community service hours prorated.
Free Application for Federal Student Aid (FAFSA)		All seniors will need to complete the FAFSA form. Please see Policy#6148 for more details.

Graduating Classes in 2027 and thereafter:

The following 26 credits are required:

Humanities <i>Including Civics and the Arts</i>	9.0 Credits	1.0. Literary Themes and Genres 1.0: World Literature 1.0: American Literature/AP Lang & Comp 1.0: Senior English Seminar/AP Lit & Comp 1.0: World History 1.0: US History .5: Civics/US Government & Politics .5: Financial Literacy 2.0: Additional Humanities Courses
STEM <i>Including Science, Technology, Engineering, and Mathematics)</i>	9.0 Credits	1.0: Algebra I 3.0: Additional Math Courses 3.0: Science Courses 2.0 Additional STEM Courses
Physical Education and Wellness	1.5 Credits	
Health and Safety	1.0 Credit	
World Language	1.0 Credit	
Fine and/or Vocational Arts	1.0 Credit	Art, Business, Family Consumer Science, Music, Technology Education Courses, Medical & Health Technologies

Additional Electives	3.5 Credits	Additional courses of student choice to complete both State of CT requirements as well as Wallingford Public Schools course load requirements.
Community Service Hours	30 Hours	Community service hours by the end of the student's senior year. Students transferring to high school after grade nine will have the amount of community service hours prorated.
Free Application for Federal Student Aid (FAFSA)		All seniors will need to complete the FAFSA form. Please see Policy#6148 for more details.

Humanities Electives

All students will need to select additional Humanities electives to meet graduation requirements.
Any courses you take from the list below that are BEYOND the subject-area specific credit requirements
will qualify as a Humanities Elective.

<u>ART</u>	<u>FAMILY & CONSUMER SCIENCES</u>	<u>SOCIAL STUDIES</u>
<p>2D Art & Design 3D Art & Design Crafts & Design Photography 1 Photography 2 Digital Photo & Media 1 Digital Photography & Media 2 Advanced Photography & Digital Media Drawing & Painting 1 Drawing & Painting 2 Jewelry, Ceramics & Fiber Arts I Jewelry & Ceramics II AP Drawing AP 2D Art & Design</p> <p style="text-align: center;"><u>BUSINESS & FINANCE EDUCATION</u></p> <p>Advanced Business Management * Business 101 Sports & Event Management & Mktg Consumer/Street Law Entrepreneurship Investing for Financial Independence International Business & Finance Marketing in our Digital Age</p> <p style="text-align: center;"><u>HUMANITIES</u></p> <p>Humanities Foundations of Acting DE Theater 1 Theater 2 Yearbook</p>	<p>Intro to Food & Culinary Arts Food for Fitness Multicultural Foods Baking & Pastry Arts DE Culinary Arts & Hospitality Mgmt 1 Culinary Arts & Hospitality Mgmt 2 DE Culinary Arts & Hospitality Mgmt 3 Food Service 2 - Work Experience The Developing Child 1 The Developing Child 2 Child Development Internship Individual & Family Development ECE Life On Your Own Housing & Interior Design</p> <p style="text-align: center;"><u>ENGLISH LANGUAGE ARTS</u></p> <p>Creative Writing Film Appreciation Journalism 1 Journalism 2 Once Upon A Crime</p> <p style="text-align: center;"><u>LIBRARY MEDIA</u></p> <p>Library Media Internship Library Media Internship (Advanced)</p> <p style="text-align: center;"><u>MUSIC</u></p> <p>Band String Ensemble Jazz Ensemble Concert Choir Music Appreciation Music Theory AP Music Theory Color Guard</p>	<p>Economics AP Economics Controversies & Conspiracies AP Comp Government & Politics Sociology Psychology AP Psychology AP/ECE European History African American/Black and Puerto Rican/Latino Studies Criminology & The Criminal Mind AP US Gov & Politics</p> <p style="text-align: center;"><u>STUDENT SUPPORT SERVICES</u></p> <p>English as a Second Language Learning Strategies Lab (Gr. 9) * Learning Strategies Lab (Gr. 10) * Learning Strategies Lab (Gr. 11) * Learning Strategies Lab (Gr. 12) *</p> <p style="text-align: center;"><u>WORLD LANGUAGES</u></p> <p>French 3, 4, 5 AP French 6 Italian 1, 2, 3 AP Italian 4 Latin 1, 2, 3 AP Latin 4 Spanish Culture & Conversation Spanish 1, 2, 3, 4, 5 AP Spanish 6</p>

*Indicates that a credit can count as either Humanities or STEM (not both).

STEM Electives

All students will need to select additional STEM electives to meet graduation requirements.
Any courses you take from the list below that are BEYOND the subject-area specific credit requirements will qualify as a STEM Elective.

<p><u>AGRICULTURAL SCIENCE & TECHNOLOGY (LHHS)</u></p> <p>Ag Mechanics/Landscape Mgmt 1 Ag Mechanics/Landscape Mgmt 2 Ag Mechanics/Landscape Mgmt 3 Ag Mechanics/Landscape Mgmt 4 Animal Science/Equine Science 1 Animal Science/Equine Science 2 Animal Science/Equine Science 3 Animal Science/Equine Science 4 Aquaculture Science 1 Aquaculture Science 2 Aquaculture Science 3 Aquaculture Science 4 Companion Animal 1 Companion Animal 2 Companion Animal 3 Companion Animal 4 Food Science 1 Food Science 2 Food Science 3 Food Science 4 Plant Science 1 Plant Science 2 Plant Science 3 Plant Science 4 Veterinary Science 1 Veterinary Science 2 Veterinary Science 3 Veterinary Science 4 Wildlife Biology 1 Wildlife Biology 2 Wildlife Biology 3 Wildlife Biology 4 Occupational Experience 1 Occupational Experience 2 Occupational Experience 3 Occupational Experience 4</p>	<p><u>BUSINESS & FINANCE EDUCATION</u></p> <p>Accounting 1 DE Advanced Business Management * Investing for Financial Independence Marketing in our Digital Age Microsoft Office Professional Personal Finance Web Design for Business Web Tools</p> <p style="text-align: center;"><u>MATH</u></p> <p style="text-align: center;"><i>Any math credit beyond 4.0 credits</i></p> <p style="text-align: center;"><u>MEDICAL CAREERS</u></p> <p>Medical Careers 1: Fundamentals Medical Careers 2: Certified Nursing Assistant Medical Terminology ECE</p> <p style="text-align: center;"><u>STUDENT SUPPORT SERVICES</u></p> <p>Learning Strategies Lab (Gr. 9) * Learning Strategies Lab (Gr. 10) * Learning Strategies Lab (Gr. 11) * Learning Strategies Lab (Gr. 12) * Vocational Education Program</p>	<p style="text-align: center;"><u>SCIENCE</u></p> <p><i>Any science credit beyond 3.0 credits</i></p> <p>AP Biology AP Chemistry AP Physics Anatomy & Physiology Astronomy 1 Astronomy 2 Dynamics of Life Environmental Science Forensics Oceanology Physics</p> <p style="text-align: center;"><u>TECHNOLOGY & ENGINEERING</u></p> <p>Advanced CADD DE Aerospace and Drone Flight Architecture Design 1: Introductory Architecture Design 2: Advanced AP Computer Science CADD Computer Programming (PYTHON) Cyber Security Digital Photography & Media I Digital Photography & Media II* Exploring Engineering & Technology Graphic Communication Home Repair & Maintenance Intro to CNC Machining Mathematics for Technology, Design & Innovation DE Pre-Engineering & Adv. Manufacturing DE Residential Construction Robotics Woodworking 1: Introductory Woodworking 2: Advanced</p>
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*Indicates that a credit can count as either Humanities or STEM (not both).

System of Marks and Grade Points

Mark	A.P. ECE DE	Honors	College and Career Prep 1 (CCP1)	College and Career Prep 2 (CCP2)
A+	4.8	4.4	4.0	3.6
A	4.6	4.2	3.8	3.4
A-	4.4	4.0	3.6	3.2
B+	4.2	3.8	3.4	3.0
B	4.0	3.6	3.2	2.8
B-	3.8	3.4	3.0	2.6
C+	3.6	3.2	2.8	2.4
C	3.4	3.0	2.6	2.2
C-	3.2	2.8	2.4	2.0
D+	3.0	2.6	2.2	1.8
D	2.8	2.4	2.0	1.6
D-	2.6	2.2	1.8	1.4
F	0.0	0.0	0.0	0.0

Graduation Requirements

Performance Standards Requirements

Wallingford’s graduation requirements, outlined in Policy and Regulation 6146/6146a, indicate that students must have a passing score on the state assessments which are given in the Spring of 11th grade (SAT/NGSS). Your child will need to meet the state passing score on the SAT (480 in English Language Arts, 530 in mathematics) and Level 3 Science, in order to fulfill district graduation requirements. If your child does not meet the passing score on the state assessment in English Language Arts, Mathematics, and/or Science, they will need to demonstrate mastery in an alternative way.

College-Bound Student Athletes

Students interested in participating in athletics at a Division I or II institution are reminded to review the National Collegiate Athletic Association (NCAA) eligibility requirements outlined on the NCAA Eligibility Center website:

www.eligibilitycenter.org

A student entering the 9th grade becomes a prospective student-athlete and should be aware of, and adhere to, the National Collegiate Athletic Association’s (NCAA) regulations and guidelines. Students and parents should contact the appropriate school counselor if they need assistance with the NCAA requirements described below.

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

NCAA STUDENT ATHLETE ELIGIBILITY REQUIREMENTS

The following are the basic requirements for those student-athletes first entering collegiate institutions:

Core Courses:

- 16 Core courses are required in NCAA Division I and II
- Core courses must include: English (4 years), Math (3 years - Algebra 1 or higher), Natural/Physical Science (2 years), Additional English, Math, or Science (1 year), Social Science (2 years), Additional Approved Courses (4 years)
- Courses for DII must include: English (3 years), Math (2 years - Algebra 1 or higher), Natural/Physical Science (2 years), Additional English, Math or Science (3 year) Social Science (2 years), Additional Approved Courses (4 years)

Grade Point Average:

- Only core courses are used in the calculation of the grade-point average.
- Be sure to look at your high school's list of NCAA-approved core courses on the clearinghouse website to make certain that the courses being taken have been approved as core courses. The website is www.ncaaclearinghouse.net.
- The Division I grade-point average requirements is a minimum 2.300.
- The Division II grade-point average requirement is a minimum 2.200.

For more information, please go to: www.ncaa.org. Or click on "Academic and Athletes" then "Eligibility and Recruiting." Or you may visit the clearinghouse website at: www.ncaaclearinghouse.net.

Please call the NCAA Eligibility Center if you have questions. Toll free number: 877-622-2321.

Agricultural Science & Technology Education - Lyman Hall High School

Agricultural Science is a hands-on program that supplements a regular academic curriculum. Students choose one agricultural field to specialize in for their four years. They learn through classroom and laboratory instruction while developing skills to apply this knowledge in real world settings. To have students fulfill their agricultural goals; a planned, supervised, agriculture-related occupational experience program shall supplement classroom training. The program shall be in addition to regularly scheduled class activities. Completion of a four year curriculum will allow students to receive training to enter a school of higher learning or to enter directly into a chosen agricultural career.

Agricultural Science and Technology Education also has College Career Pathways agreements with SUNY Cobleskill and Unity College. Students who complete studies in plant science, animal science, aquaculture, and wildlife biology and receive a “C” average or better in those classes have the opportunity to receive college credit from the participating institutions if they choose to attend those universities and successfully pass a transcript review.

Enrollment: Agriculture, as offered at the Regional Agricultural Science and Technology Education Center in Wallingford, is an elective within the framework of Lyman Hall High School. Agriculture is a four year sequential program. High school students in the towns of Branford, Cheshire, East Haven, Hamden, Meriden, North Branford, North Haven, Wallingford and West Haven may enroll. The sending towns are responsible, by law, to pay the costs of tuition and transportation.

Enrollment Procedures: Students must have a definite interest in agriculture and must submit an application form and accompanying materials. The application and accompanying materials should be returned to the Agriculture Science and Technology Education Center. All candidates will be notified in writing as to their status of acceptance.

Retention: Students are expected to remain in the ASTE program for all 4 years in order to experience the benefits of the sequential curriculum. Support is provided through the course selection process, and students may need to take other courses at different times than their peers in order to adhere to the unique scheduling nuances of the ASTE program.

Program: The Agricultural Science and Technology program is divided into four components:

- **Classroom Laboratory:** Activities in the classroom and laboratory provide opportunities for the study and discussion of topics related to agriculture. An intensive study of diverse subjects integrates classroom activities with field trips, laboratory work, research, assigned readings, and hands-on activities.
- **Supervised Agricultural Experience (SAE) Program:** Students enrolled in agriculture must initiate and conduct an occupational experience program with their agriculture teacher. Supervision of the program by the teachers of agriculture will occur at regular intervals throughout the year, so that students will benefit from this experience. The SAE requirement at Lyman Hall High School is:

Grade Nine Students - Planning and Preparation

Grade Ten Students - 75 Hours

Grade Eleven Students - 125 Hours

Grade Twelve Students - 150 Hours

- **FFA:** Is an intracurricular educational, nonprofit, nonpolitical youth organization. An integral part of the agricultural experience, FFA encourages premier leadership, personal growth, and career success. Meetings throughout the year offer

members the opportunity to participate in local, state, regional, and national activities. The local chapter provides opportunities for practicing parliamentary procedure, group discussion, and public speaking. The FFA chapter awards scholarships to students who excel in this program.

- **Portfolio:** The Agricultural Science and Technology Education portfolio is a collection of student work including but not limited to SAE practices and photographs, classroom skill evaluation, writing samples, samples of hands-on-work, a collection of employability skills, academic work and a record of leadership skills developed through various levels of participation.

Courses of Study: The Agricultural Science and Technology program offers a four year study in one of the following areas:
Agricultural Mechanics/Landscape Management - Animal Science/Equine Science - Aquaculture Science - Companion Animal Science - Food Science - Plant Science - Veterinary Science - Wildlife Biology

Agricultural Science & Technology Education Course Offerings

AGRICULTURAL MECHANICS/LANDSCAPE MANAGEMENT 1 (8753)

Grade: 9

Course Level: CCP1

Freshman course work introduces students to tractor driving, plumbing, welding and cold metal work, safe use of tools, and athletic field layout. Students will be introduced to and participate in the Lyman Hall Chapter of the national organization, FFA. Students will start to develop a portfolio and skills to prepare for future careers in agricultural mechanics and landscape management.

Credit: 1

AGRICULTURAL MECHANICS/LANDSCAPE MANAGEMENT 2 (8763)

Grade: 10

Course Level: CCP1

Sophomore course work continues to build a foundation for students interested in agricultural mechanics and landscape management. Topics studied include: athletic field maintenance, principles of electricity, welding, small gasoline engines and operation and maintenance of landscape equipment. Students will continue to participate in the Lyman Hall Chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in agricultural mechanics and landscape management.

Credit: 1.5

AGRICULTURAL MECHANICS/LANDSCAPE MANAGEMENT 3 (8773)

Grade: 11

Course Level: CCP1

Junior course work continues to build a foundation for students interested in agricultural mechanics and landscape management. Topics studied include: facility construction, transit and site grading, equipment system maintenance, job interview skills, and boat construction. Students will continue to participate in the Lyman Hall Chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in agricultural mechanics and landscape management.

Credit 1.5

AGRICULTURAL MECHANICS/LANDSCAPE MANAGEMENT 4 (8783)

Grade: 12

Course Level: CCP1

Senior course work continues to build a foundation for students interested in agricultural mechanics and landscape management. Topics studied include: surveying, landscape construction, equipment overhaul, and an independent project. Students will also continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will also complete their portfolio and document skills for future careers in agricultural mechanics and landscape management.

Credit: 2

ANIMAL SCIENCE/EQUINE SCIENCE 1 (8433)

Grade: 9

Course Level: CCP1

Freshman course work introduces students to equine science, small animal science, and an introduction to livestock. Students will be introduced to and participate in the Lyman Hall chapter of a national organization, FFA. Students will start to develop a portfolio and the skills necessary to prepare for future careers in the animal science and equine industries.

Credit: 1

ANIMAL SCIENCE/EQUINE SCIENCE 2 (8443)**Grade: 10****Course Level: CCP1**

Sophomore course work introduces students to light horse production, equine anatomy and physiology, animal behavior, animal handling and restraint, and equine conformation and horse judging. Students will be introduced to and participate in the Lyman Hall chapter of the National FFA organization. Students will continue to develop their portfolio and identify skills to prepare them for future careers in the animal science and equine industries.

Credit: 1.5**ANIMAL SCIENCE/EQUINE SCIENCE 3 (8453)****Grade: 11****Course Level: CCP1**

Junior course work continues to build a foundation for students interested in animal science and equine science. Topics studied include: equine nutrition, forage crops, equine breeding and genetics, equine health and disease, job interview skills, and horse show preparation. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and further develop their skills to prepare for future careers in the animal science and equine industries.

Credit: 1.5**ANIMAL SCIENCE/EQUINE SCIENCE 4 (8463)****Grade: 12****Course Level: CCP1**

Senior course work continues to build a foundation for students interested in animal science and equine science. Topics studied include: horse farm management, equine housing, equine studies, first aid, and driving horses. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will complete the development of their portfolio and further develop skills to prepare for future careers in the animal science and equine industries.

Credit: 2**AQUACULTURE SCIENCE 1 (8673)****Grade: 9****Course Level: CCP1**

Freshman course work introduces students to aquaculture on the global scale with domestic perspective, culture techniques, external finfish anatomy, species under culture and the fish production laboratory. Students will be introduced to and participate in the Lyman Hall chapter of the national organization, FFA. Students will start to develop a portfolio and skills to prepare for future careers in aquaculture and the related aquatic sciences.

Credit: 1**AQUACULTURE SCIENCE 2 (8683)****Grade: 10****Course Level: CCP1**

Sophomore course work continues to build a foundation for students interested in aquaculture. Topics include small recirculating system design, finfish morphology, water chemistry, freshwater aquaculture, recirculating equipment as well as continued experience in the fish production laboratory. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in aquaculture and the related aquatic sciences.

Credit: 1.5

AQUACULTURE SCIENCE 3 (8693)**Grade: 11****Course Level: CCP1**

Junior course work continues to build a foundation for students interested in aquaculture. Topics include large recirculating system design, advanced water quality, applied husbandry, job interview skills, marine aquaculture, and pond culture techniques as well as rigorous experience in the fish production laboratory. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in aquaculture and the related aquatic sciences.

Credit: 1.5**AQUACULTURE SCIENCE 4 (8603)****Grade: 12****Course Level: CCP1**

Senior course work continues to build a foundation for students interested in aquaculture. Topics include genetics; (both Medelian and applied), hatchery techniques, seafood marketing, HACCP (hazard analysis and critical control points), micro algal techniques and recirculating system maintenance as well as rigorous experience in the fish production laboratory. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will complete their portfolio and document skills for future careers in aquaculture and the related aquatic sciences

Credit: 2**COMPANION ANIMAL 1 (8264)****Grade: 9****Course Level: CCP1**

Freshman course work introduces students to animal behavior and handling of mammals, birds, reptiles, dogs and cats. Students will explore the evolution of dogs and cats through history and will develop basic dog grooming skills. Students will be introduced to and participate in the Lyman Hall chapter of the national organization, FFA. Students will start to develop a portfolio and skills to prepare them for future careers in agricultural technology, veterinary technology, and/or companion animal sales and services.

Credit: 1**COMPANION ANIMAL 2 (8274)****Grade: 10****Course Level: CCP1**

Sophomore course work introduces students to laboratory animal science and an introduction to various breeds of large and small animals. Students will also complete an in-depth study of the anatomy and physiology of small mammals concluding with a lab practical dissection. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in agricultural technology, veterinary technology, and/or companion animal sales and service.

Credit: 1.5**ECE COMPANION ANIMAL 3 (8284)****Grade: 11****Course Level: ECE*****UConn Early College Experience***

Junior course work includes an in-depth look at managing companion animals in the service and sales industry. Also offered as a UConn Early College Experience course, students will learn about aquatic life, reptiles, small mammals and birds through a services and sales perspective. Additionally, students will get an introduction to animal nutrition and job interview skills. Units include lab practical dissections. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in agricultural technology, veterinary technology, and/or companion animal sales and services.

Credit: 1.5

COMPANION ANIMAL 4 (8294)**Grade: 12****Course Level: CCP1**

Senior course work includes advanced dog grooming and kennel management and training applications through practical lab experiences in the Lyman Hall Grooming Lab. Students will explore pet first aid and CPR, disease transmission and prevention, reproduction, and genetics. Units include lab practical dissections. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will complete the development of their portfolio and further develop skills to prepare for future careers in agricultural technology, veterinary technology, and/or companion animal sales and services.

Credit: 2**FOOD SCIENCE 1** (8473)**Grade: 9****Course Level: CCP1**

Food science is a profession that uses biology, chemistry, nutrition and technology to better understand food procedures and create or improve safe, nutritious and sustainable food products for the general public. Freshman course work includes: Kitchen Basics, Sensory Evaluation, Food and Culture 1, Food Chemistry 1: Heat & Energy, and Fruit & Vegetable Production and Processing. Students will be introduced to and participate in the Lyman Hall chapter of the national organization, FFA. Students will start to develop a portfolio and build skills to prepare for future careers in the food science industry.

Credit: 1**FOOD SCIENCE 2** (8483)**Grade: 10****Course Level: CCP1**

Food Science is a profession that uses biology, chemistry, nutrition and technology to better understand food processes and create or improve safe, nutritious and sustainable food products for the general public. Sophomore course work includes: History of Food Science and Safety, Grains Production and Processing, Food and Culture II, Careers in Food Science, New Food Product Development, and Food Safety and Sanitation. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue to develop a portfolio and build skills to prepare for future careers in the food science industry.

Credit: 1.5**FOOD SCIENCE 3** (8493)**Grade: 11****Course Level: CCP1**

Food Science is a profession that uses biology, chemistry, nutrition and technology to better understand food processes and create or improve safe, nutritious and sustainable food products for the general public. Junior course work includes; The Dairy Industry, Human Digestion and Nutrition, Food Processing and Packaging, Food and Culture III, Food Chemistry II: Food Additives and Analogs. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue to develop a portfolio and build skills to prepare for future careers in the food science industry.

Credit: 1.5**FOOD SCIENCE 4** (8403)**Grade: 12****Course Level: CCP1**

Food Science is a profession that uses biology, chemistry, nutrition and technology to better understand food processes and create or improve safe, nutritious and sustainable food products for the general public. Senior course work includes: Food Systems and Biotechnology, Food Microbiology and HACCP, Food and Culture IV, Food Chemistry III: Macronutrients Composition, Animal Products and Processing, and Food Chemistry IV: Fundamentals of Baking. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue to develop a portfolio and build skills to prepare for future careers in the food science industry.

Credit: 2

OCCUPATIONAL EXPERIENCE 1 (8814)**Grade: 9****Course Level: CCP2**

Occupational Experience 1 must be related to agriculture. The student and the supervising teacher will develop the experience program that will best meet the needs of the student's Agricultural Science and Technology Education program objectives. A detailed record book must be maintained including daily experiences.

Credit: .5**OCCUPATIONAL EXPERIENCE 2 (8824)****Grade: 10****Course Level: CCP2****Prerequisite:** Occupational Experience 1

Occupational Experience 2 must meet the standard of Occupational Experience 1, with the additional stipulation that the experience and responsibilities will need to be more comprehensive in scope.

Credit: .5**OCCUPATIONAL EXPERIENCE 3 (8834)****Grade: 11****Course Level: CCP2****Prerequisite:** Occupational Experience 2

Occupational Experience 3 must meet all the requirements of Occupational Experience 2, with the additional stipulation that the experience and responsibilities will need to be more comprehensive in scope.

Credit: .5**OCCUPATIONAL EXPERIENCE 4 (8844)****Grade: 12****Course Level: CCP2****Prerequisite:** Occupational Experience 3

Occupational Experience 4 must meet all the requirements of Occupational Experience 3, with the additional stipulation that the experience and responsibilities will need to be more comprehensive in scope.

Credit: .5**PLANT SCIENCE 1 (8323)****Grade: 9****Course Level: CCP1**

Freshman course work introduces students to concepts related to the introduction of botany and plant science, vegetable gardening, and soils. This class will assist with activities related to the annual holiday shop. Students will be introduced to and participate in the Lyman Hall chapter of the national organization, FFA. An additional component includes the development of a portfolio and skills to prepare them for future careers in plant science.

Credit: 1**PLANT SCIENCE 2 (8343)****Grade: 10****Course Level: CCP1**

Sophomore course work introduces students to greenhouse management, houseplant identification and care, plant propagation, growing annuals and vegetables and continues to build their understanding of the annual holiday shop. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue to develop their portfolio and identify skills to prepare them for future careers in plant science.

Credit: 1.5

PLANT SCIENCE 3 (8353)**Grade: 11****Course Level: CCP1**

Junior course work builds on a foundation for students interested in plant science. Topics studied include: landscape design and maintenance, identification of woody and ornamental plants, job interview skills, and holiday shop. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in plant science.

Credit: 1.5**PLANT SCIENCE 4 (8363)****Grade: 12****Course Level: CCP1**

Senior course work builds on a foundation for students interested in plant science. Topics include: (in the first semester) *Introduction to Flower Design* - students learn the basic skills required for completing a variety of flower design styles; (in the second semester) *Advanced Flower Design* - a comprehensive course focused on creating flower design pieces for a wedding, including all phases of planning and pricing the flowers for the event. The senior class is also primarily responsible for organizing and running the daily activities of the annual holiday shop. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will complete their portfolio and document skills to prepare for college and future careers in plant science.

Credit: 2**VETERINARY SCIENCE 1 (8265)****Grade: 9****Course Level: CCP1**

Freshman course work introduces students to animal behavior and handling of mammals, birds, reptiles, dogs and cats. Students will explore the evolution of dogs and cats through history and will develop basic dog grooming skills. Students will be introduced to and participate in the Lyman Hall chapter of the national organization, FFA. Students will start to develop a portfolio and skills to prepare them for future careers in agricultural technology, veterinary technology, and/or companion animal sales and services.

Credit: 1**VETERINARY SCIENCE 2 (8275)****Grade: 10****Course Level: CCP1**

Sophomore course work introduces students to laboratory animal science and an introduction to various breeds of large and small animals. Students will also complete an in-depth study of the anatomy and physiology of small mammals concluding with a lab practical dissection. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in agricultural technology, veterinary technology, and/or companion animal sales and services.

Credit: 1.5**VETERINARY SCIENCE 3 DE (8285)****Grade: 11*****Dual Enrollment with Middlesex Community College***

Junior course work introduces veterinary clinical skills 1 & 2 including: medical terminology, first aid and CPR, physical exams, animal nutrition and dentistry, pharmacology, administration of medicines and posology. Units include lab practical dissections. Students also study job interview skills. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and skills to prepare for future careers in animal technology.

Credit: 1.5

VETERINARY SCIENCE 4 (8295)**Grade: 12****Course Level: CCP1**

Senior course work includes advanced dog grooming and kennel management and training applications through practical lab experiences in the Lyman Hall Grooming lab. Students explore pet first aid and CPR, disease transmission and prevention, reproduction, and genetics. Units include lab practical dissections. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will complete the development of their portfolio and further develop skills to prepare for future careers in animal technology.

Credit: 2**WILDLIFE BIOLOGY 1** (8373)**Grade: 9****Course Level: CCP1**

Freshman course work introduces students to field ecology, natural resources, and zoology. Students will be introduced to and participate in the Lyman Hall chapter of the national organization, FFA. Students will start to develop a portfolio and skills to prepare for future careers in wildlife biology.

Credit: 1**WILDLIFE BIOLOGY 2** (8383)**Grade: 10****Course Level: CCP1**

Sophomore course work introduces students to freshwater ecology, natural resource career, agriscience research and dendrology. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue to develop their portfolio and identify skills to prepare them for future careers in wildlife biology.

Credit: 1.5**WILDLIFE BIOLOGY 3** (8393)**Grade: 11****Course Level: CCP1**

Junior year course work continues to build a foundation for students interested in wildlife biology. Course work includes forestry, mapping (GIS) and navigation and wildlife management. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will continue the development of their portfolio and further develop skills to prepare for future careers in wildlife biology.

Credit: 1.5**WILDLIFE BIOLOGY 4** (8303)**Grade: 12****Course Level: CCP1**

Senior year course work continues to build a foundation for students interested in wildlife biology through the environmental science and outdoor recreation units. Students will continue to participate in the Lyman Hall chapter of the national organization, FFA. Students will complete the development of their portfolio and further develop skills to prepare for future careers in wildlife biology.

Credit: 2

Art

2D ART & DESIGN (5353)

Grades 9-12

Course Level: CCP1

2D Art and Design is a foundational art course designed to help students develop the necessary skills to move forward in more advanced coursework and adjust to a studio class environment. In this course, students will be introduced to the basic elements and organizing principles of design, as well as a variety of problem-solving strategies, with an emphasis on principal elements of 2-dimensional design through assigned problems. Class time is divided between direct instruction, demonstrations, in-class projects, critiques of projects and classroom discussions.

Credit: 1

AP 2D ART & DESIGN (5343)

Grades: 11-12

Advanced Placement

Prerequisites: Drawing & Painting I, Drawing & Painting II (Or recommendation of a teacher *and* portfolio accepted by the art department)

In AP Art & Design, students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may choose to submit any or all of the AP Portfolio Exams.

Credit: 1

3D ART & DESIGN (5303)

Grades: 9-12

Course Level: CCP1

3D Art and Design is an introductory art course designed to help students become familiar with and learn how to use the elements of visual design, a variety of materials, processes and techniques. A variety of three-dimensional materials may be explored such as wire, cardboard, wood, plaster, foam board, and paper mache. Students should anticipate a studio-based art class, which may include creative problem solving, production of artwork, critiques, self-evaluation, readings, note taking, tests, and quizzes.

Credit: .5

CRAFTS & DESIGN (6314)

Grades: 9-12

Course Level: CCP1

This is a studio class designed to give students opportunities to develop skills in a variety of craft techniques. The course explores the history of crafts, contemporary crafts, materials, processes, and techniques. Examples of media to be covered include decorative paper, bookbinding, 2D and 3D weaving, and mosaic, among others. Each student will create an individual portfolio of his/her work

Credit: .5

DIGITAL PHOTOGRAPHY & MEDIA I (5105)

Grades: 9-12

Course Level: CCP1

This course is designed for students interested in creative expression through digital photography and design. Students will be introduced to the fundamental skills involved in visual communication and needed for a career in the growing fields of photography, editing, retouching, and graphics. There will be an overview of how to shoot images with proper composition, lighting and development. Students will incorporate the elements of art and principles of design through photography and digital image creation and manipulation using DSLR cameras, smartphones, and Adobe Photoshop.

Credit: .5

DIGITAL PHOTOGRAPHY & MEDIA II (5106)**Grades: 10-12****Course Level: CCP1****Prerequisite:** Intro to Digital Photography & Media

This course will build upon skills learned in Intro to Digital Photography & Media by focusing on the applications of digital SLR cameras, flashes, and lighting. Students will build a portfolio of prints that demonstrate knowledge of a wide variety of technical and artistic skills. Knowledge of different camera settings and light sources will be explored. Students will also learn processing skills using Adobe Creative Cloud for editing and creating digital art.

Credit: 1**AP DRAWING (5342)****Grades 11-12****Advanced Placement****Prerequisites:** Drawing & Painting I, Drawing & Painting II (Or recommendation of a teacher *and* portfolio accepted by the art department)

AP Drawing is an introductory college-level drawing course. In this course, students will refine and apply drawing skills to ideas they develop throughout the course. Students will compile a portfolio designated for work that focuses on the use of mark-making, line, surface, space, light and shade, and composition. Students should consider marks that can be used to make drawings, the arrangement of marks, the materials and processes used to make marks, and relationships of marks and ideas. Students can work with any materials, processes, and ideas as long as the work is the student's original creation. Drawing (analog and digital), painting, printmaking, and mixed media work are among the possibilities for submission. Still images from videos or film are accepted. Composite images may be submitted.

Credit: 1**DRAWING AND PAINTING 1 (5314)****Grades: 10-12****Course Level: CCP1**

This is a full-year course in which students will apply the fundamentals of drawing and painting to structured problems that lead to the development of art skills and creative problem-solving ability. Using various drawing and painting media and techniques (pencil, charcoal, pen & ink, watercolor, acrylics), students will work from direct observation as well as conceptually, exploring the various genres in art, landscape, still-life, portraiture, and design. Students will use the language of art to critique classwork and well-known art pieces to demonstrate an understanding of the elements and principles of design. (Freshman can submit a portfolio of work for consideration in taking this course)

Credit: 1**DRAWING AND PAINTING II (5315)****Grades 11-12****DRAWING AND PAINTING II (5316)****Course Level: CCP1****Prerequisite:** Drawing & Painting I

In this advanced art course, students will explore the unique qualities of painting and drawing through various methods and techniques to apply to their artwork. Students will reflect on and find their own personal inspiration to drive the works of art they create. Topics of study will include brush selection, material management, color theory, and advanced techniques for the art room. Students will make connections to contemporary artists, revisit their roles as artists, and share their evolution as an artist. Students' experience in this course will include visual journaling using various media and skill development as they work to create a portfolio of original works. Students will have time to advance their own practices as an artist in this course.

Credit: .5 (5315)/1.0 (5316)

JEWELRY, CERAMICS, AND FIBER ARTS 1 (5153)**Grades: 10-12****Course Level: CCP1**

This course explores ways in which jewelry, ceramics and fiber arts have played a part in our cultural development. Assignments stress originality and meaning, careful planning and design, exploration of materials, traditional and contemporary techniques, as well as quality craftsmanship. Students may create tiles, cups, vases, necklaces, rings, batiks, embroideries and/or weavings. ***This course is eligible for CTCGE.***

Credit: 1**JEWELRY & CERAMICS II** (5183)**Grades: 11-12****JEWELRY & CERAMICS II** (5193)**Course Level: CCP1****Prerequisite:** Jewelry, Ceramics & Fiber Arts I

This studio course requires both hands-on artmaking and learning new techniques. Students will demonstrate artistic proficiency in various 3D art techniques in the areas of jewelry making and ceramics. Students will examine contemporary and historical ceramics and jewelry artists, and use this knowledge to practice various techniques to develop an original body of work. In addition to studio practice, students will troubleshoot supply management, studio procedures, and art room organization.

Credit: .5 (5183)/ 1.0 (5193)**PHOTOGRAPHY 1** (5115)**Grades: 9-12****Course Level: CCP1**

This course is designed for students interested in creative expression through photography and design. Throughout the course, students will explore the art of visual communication, as well as ways to use photography as a fine art design element, as they deepen the creative aspects of camera work. Topics of study will include the development of photography as an art medium, the eye of the photographer, and the quality of work. There will be an overview of how to shoot images with proper exposure, lighting, and lenses.

Credit: .5**PHOTOGRAPHY II** (5116)**Grades: 10-12****Course Level: CCP1****Prerequisite:** Photography 1

This course will build upon skills learned in Photography I, with an emphasis on more advanced techniques and artistic expression through the photographic image. In this course, students are challenged by more sophisticated assignments using traditional darkroom techniques. The necessity to employ art elements and design principles within assignments is a focus as the course progresses. Topics of study may include documentary photography (photojournalism), studio photography, how to build strong compositions, and operations of a SLR (single lens reflex) camera. This course offers students the opportunity to explore a wide range of photographic genres, and they are encouraged to develop their own personal vision and style.

Credit: 1

Business, Marketing, And Finance Education

The department's goal is to prepare students to succeed in a complex economic society. The courses offered enhance daily living skills and provide the background for post-high school education or immediate employment upon graduation. The course offerings focus on the five learning strands identified above.

ACCOUNTING 1 DE (8013)

Grades: 10-12

Dual Enrollment (DE) w/University of Bridgeport

Accounting 1 is an essential course for those pursuing careers in any aspect of business. The course includes the study of the accounting cycle and its impact on a business. An accounting simulation is used to reinforce the accounting principles introduced in a relevant business situation. The topics presented follow Generally Accepted Accounting Procedures (GAAP) and include principles of debit and credit, journalizing, posting, and the creating and analysis of financial statements. This course is taught using accounting spreadsheets to produce authentic accounting documents. Independent work habits, problem solving, and critical thinking skills are continually enforced. This course is a dual enrollment course with the University of Bridgeport and students have the opportunity to earn college credit.

Credit: 1

ADVANCED BUSINESS MANAGEMENT (8993)

Grades: 11-12

Course Level: H

Prerequisite: Accounting I or Marketing Education

This honors level course allows students to develop competencies necessary for a career in any business related field. The skills acquired previously in marketing and accounting will be practiced in authentic situations by managing and operating the school store and in-house printing business. Problem solving and creative thinking skills will be fostered as students use technology and other means to operate a school based enterprise. Leadership skills will be encouraged through projects based on students' interests.

Credit: 1

BUSINESS 101 (8093)

Grades: 9-12

Course Level: CCP1

This introductory course explores the foundations of business and consumer decision making in a dynamic economy. Units of study will include organizing a business, understanding economic principles, recognizing the informed consumer and exploring business careers. This course will incorporate technology for research as well as applying authentic and relevant business skills in real world applications.

Credit: .5

CONSUMER/STREET LAW (8143)

Grades: 11-12

Course Level: CCP1

This course is designed to inform students of their legal rights and responsibilities in 21st Century America. The course begins with an examination of our Constitutional rights and continues through a study of the court system. Criminal and civil law is examined along with rights and remedies that exist to protect those rights. Contract law is essential to the course and students learn to write a contract using legal components of contract law. Current events are critical to reinforce teaching points. Career opportunities are explored along with corresponding personal and education requirements for employment. Videos, case studies and court visits are used to complement and reinforce legal issues and topics. Critical thinking and comprehension skills are essential to successfully complete this course.

Credit: .5

ENTREPRENEURSHIP (8183)**Grades: 10-12****Course Level: CCP1**

Students will identify the fundamentals of business creation, the personal attributes needed to be a successful entrepreneur, and will research various business opportunities. Topics covered include the characteristics of an entrepreneur, discovering entrepreneurial opportunities, and researching and analyzing domestic, global and market trends. The course culminates with the student developing a hypothetical business plan to implement their unique venture that conforms to all applicable governmental laws and regulations.

Credit: .5**INTERNATIONAL BUSINESS AND FINANCE (8063)****Grades: 9-12****Course Level: CCP1**

This course will provide students with an understanding of international business where national borders are bridges and not barriers. Students will develop beginning knowledge of international and cultural business contexts and be better prepared to work in organizations with global connections. *This course is eligible for CTCGE.*

Credit: .5**INVESTING FOR FINANCIAL INDEPENDENCE (8103)****Grades: 10-12****Course Level: CCP1**

Students will evaluate opportunities to build wealth and establish lifestyles based on education and career choices. Students will learn that financial decisions made at an early age help to insure adequate income in the retirement years. Various wealth building strategies will be discussed including the stock market, real estate, mutual funds and career-based benefits packages.

Credit: .5**MARKETING EDUCATION - WORK EXPERIENCE (8530)****GRADE: 12****MARKETING EDUCATION - WORK EXPERIENCE (8540)****Course Level: Pass/Fail**

Students enrolled in this course may register for a work experience component in an approved business. The .5 credit option will require 250 hours of work, and the 1.0 credit option will require 400 hours of work. The work experience will be monitored by the instructor and will involve ongoing communication between the Marketing Education 2 instructor, the student, and the employer.

Credit: .5 (8530)/ 1.0 (8540)**MARKETING IN OUR DIGITAL AGE (8513)****Grades: 10-12****Course Level: CCP1**

This course is a business course aimed at assessing changing consumer needs and wants and profitably developing products and services that satisfy these needs and wants while adhering to environmental and ethical standards.

Credit: 1**MICROSOFT OFFICE PROFESSIONAL (8003)****Grades: 9-12****Course Level: CCP1**

Students will apply fundamental computer skills in a business setting using the Microsoft Office suit in a Windows environment. The course builds upon the applications and integration of word processing, spreadsheets, database management, and multimedia presentations. Upon completion of this course, students will have developed the skills necessary to pursue entry-level employment as well as the background necessary for college course applications.

Credit: .5

PERSONAL FINANCE (8043)**Grades: 10-12****Course Level: CCP1**

This course will inform students how individual choices directly influence occupational goals and future earning potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and savings accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

Credit: .5**SPORTS AND EVENT MANAGEMENT AND MARKETING (8991)****Grades: 11-12****Course Level: CCP1****Prerequisite:** Business 101 or Marketing 1

The Sports and Event Management and Marketing course develops student understanding of the sports/event industries, their impact on local communities, and products; career opportunities in sport/event marketing; factors motivating people to participate in or attend sports and events; pricing considerations; positioning and product/service management; advertising, direct marketing, publicity, sales promotion; and marketing-information management. Throughout this course, students are presented ethical dilemmas and problem solving situations for which they must apply academic and critical thinking.

Credit: .5**WEB DESIGN FOR BUSINESS (8913)****Grades: 9-12****Course Level: CCP1**

This course offers web design from a business perspective with use of various programs available to students. Students learn how to critically evaluate website quality as well as learn about web design standards. Students will design their own web page and will have a culminating project demonstrating the knowledge and skills required for proper web design and coding.

Credit: .5**WEB TOOLS (8923)****Grades: 9-12****Course Level: CCP1**

This course builds knowledge and skills in the use of current web tools used in academic and business settings. Students will focus on effective writing, design, and communication principles using current web tools found in academic and business settings. Students will learn the principles of message design that include unity, balance and proportion. Students will collaboratively develop projects incorporating these concepts.

Credit: .5

English

The English curriculum enables students to develop critical thinking skills in reading, writing, listening, speaking and communication. Students strengthen their ability to construct meaning, respond thoughtfully, communicate ideas effectively, and appreciate a wide range of both literary and informational texts representing diverse cultures and different time periods. The goal of the English coursework is to provide students with knowledge and skills for lifelong learning, academic and professional success, and enjoyment.

AMERICAN LITERATURE H (0062)

Grade: 11

AMERICAN LITERATURE CCP1 (0063)

AMERICAN LITERATURE CCP2 (0064)

Grounded in the context of American literature, culture, and history, this course explores key themes from the American experience. Students will explore an array of American texts, both historical and contemporary. In the process, they will develop the skills to read closely, write for a variety of purposes, communicate effectively both orally and in writing, and think about complex issues in a sophisticated manner.

This is the required English course for Grade 11.

Credit: 1

CREATIVE WRITING (0143)

Grades: 9-12

Course Level: CCP1

This course provides students with opportunities to develop their literary talents. This course includes a study of varied forms of prose and poetry and gives students the experience to write creatively in different genres. In addition, students will contribute to publications.

Credit: 1

ENGLISH SENIOR SEMINAR/LIFE, LOVE, DEATH & IMMORTALITY H (0092)

Grade: 12

ENGLISH SENIOR SEMINAR/LIFE, LOVE, DEATH & IMMORTALITY CCP1 (0093)

ENGLISH SENIOR SEMINAR/LIFE, LOVE, DEATH & IMMORTALITY CCP2 (0094)

The first half of this course will focus on a variety of both literary and informational texts. In addition to composing a personal narrative, students will engage in research and presentation, as well as analytical writing. Major topics include an activity/employment resume, cover letter, personal narrative, digital literacy, a multi-modal project/portfolio, and a research paper. During the second half of this course, students will reflect on and consider who they are and what their purposes are in life. This course aims to expose students to a variety of texts and experiences that will encourage introspection. Students will read literature, apply it to themselves, and try to understand the human experience and how it connects to life, love, death, and immortality. They will explore the common experience of humanity, the transient nature of life and love, and investigate the possibilities of rebirth, remembrance, renewal, and the concept of immortality. Major topics will include thematic readings, literary analysis, development of a variety of writing styles, effective presentation skills and a student-created portfolio. The course culminates in a multi-modal portfolio project that encourages students to define their own legacy. ***This course is eligible for CTCGE.***

This course may be taken to fulfill the required English course for Grade 12.

Credit: 1

ENGLISH SENIOR SEMINAR/MYTHS AND MONSTERS H (0082)**Grade: 12****ENGLISH SENIOR SEMINAR/MYTHS AND MONSTERS CCP1 (0083)****ENGLISH SENIOR SEMINAR/MYTHS AND MONSTERS CCP2 (0084)**

The first half of this course will focus on a variety of both literary and informational texts. In addition to composing a personal narrative, students will engage in research and presentation, as well as analytical writing. Major topics include an activity/employment resume, cover letter, personal narrative, digital literacy, a multi-modal project/portfolio, and a research paper. During the second half of this course, students will explore mythology from various cultures around the world. They will explore the concept of monsters, their characteristics and why they persist among cultures over time. Students will discover the prominence of mythical elements in the modern world as they examine superheroes, video game origins, and texts that incorporate various archetypes and follow the path of the hero's journey. Major topics include thematic readings, literary analysis, development of a variety of writing styles, effective presentation skills and a student-created portfolio. ***This course is eligible for CTCGE.***

This course may be taken to fulfill the required English course for Grade 12.

Credit: 1

FILM APPRECIATION (0173)**Grades: 11-12****Course Level: CCP1**

Students will develop the ability to analyze, evaluate, and critique film as an art form. This course consists of in-class viewing of films from a variety of genres taking into consideration historical, artistic, and technical value. Viewing of each film will be followed by an in-class discussion and analysis. Assessment will be based on participation in the class discussions as well as student writing, oral presentations, and projects.

Credit: .5

JOURNALISM 1 (0153)**Grades: 9-12****Course Level: CCP1**

In this course students will develop authentic skills, values, and understanding needed in the field of journalism. They will explore the range of different media types used by journalists from music to advertising, newspapers to feature films, mobile apps to social media. Students will be introduced and practice the values of ethical, professional journalism as well as the specialized language used by practitioners in the field. This course will help students produce continuous streams of content with clarity, brevity, and precision.

Credit: 1

JOURNALISM 2 (0157)**Grades: 10-12****Course Level: CCP1**

Prerequisite: Journalism I

In Journalism 2, students will continue to develop authentic skills, values, and understandings needed in the field of journalism while taking on a leadership role within the Journalism classroom. This course will give students an intensive, hands-on introduction to multimedia reporting. Multimedia reporting is defined as the effective and ethical use of text, still photographs, video clips, audio, graphics and interactivity for the web. Students will look closely at the process of writing feature articles for newspapers, magazines or other media and will become familiar with the specialized reporting and writing technique needed. This class will explore the role and purpose of editorial and opinion writing and their process of writing opinion pieces about international issues and events. Students will examine media coverage of contemporary political, economic and social issues at the state, national and international levels, which may include legal and ethical content analysis. An extended exploration of a journalistic topic will lead to a culminating project that can take on many forms including a research paper, investigative news stories, photo essay, broadcast documentary or online report.

Credit: 1

AP LANGUAGE AND COMPOSITION (0031)**Grade: 11*****Advanced Placement***

The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods.

This course may be taken to fulfill the required English course for Grade 11.

Credit: 1

LITERARY THEMES AND GENRES H (0012)**Grade: 9****LITERARY THEMES AND GENRES CCP1 (0013)****LITERARY THEMES AND GENRES CCP2 (0014)**

Grade 9 English provides foundational skills in high school level reading and writing through the study of literary genres. Students will read increasingly complex literature, literary nonfiction, and informational texts with comprehension and independence. They will understand the development of multiple ideas by analyzing details and structure, as well as trace the development of themes and characters over the course of a text. Students will develop communication skills in writing, speaking, and listening by analyzing texts, making inferences, and citing strong textual evidence. Students will develop arguments to support claims, and will also write in a variety of genres including informational to examine complex ideas and narrative to develop creative thinking. Students will continue to build vocabulary and employ conventions of standard English. ***This course is eligible for the CTCGE.***

This is the required English course for Grade 9.

Credit: 1

AP/ECE LITERATURE AND COMPOSITION (0512)**Grade: 12*****UConn Early College Experience***

This course is designed to engage students in academic writing and multimodal composition that emphasizes cross-disciplinary writing, critical thinking, and critical and digital literacies. The course is partially project-based and inquiry-driven; multimodal composition assignments may include podcasts, blogs, collages, video or audio essays, comic strips, infographics, or storyboards. Students will have the opportunity to use new technologies, including audio & video software, recording equipment, file-sharing websites, etc. as they develop awareness about how these technologies change their composing processes. Students will read and write with (alongside, against) challenging texts not simply to absorb information but to take up an engagement with a larger, ongoing conversation as they make broader meanings and connections from their reading and writing. Thus, students will gain opportunities to contribute—through all modes of expression—to larger issues and conversations (globally, nationally, regionally, locally, personally) that will give them a deeper understanding and awareness of themselves.

This course may be taken to fulfill the required English course for Grade 12.

Credit: 1

ONCE UPON A CRIME (0144)**Grades 10-12****Course Level: CCP1**

Mysteries, thrillers, and crime stories are arguably the most interactive literary genres because they urge the reader to step into the world of mystery and solve it alongside the investigators who populate the pages. Once Upon a Crime will introduce students to the conventions and techniques of mystery, suspense, and crime drama. Students will examine what drives mysteries, the tension that defines suspense, and how detective stories are rooted in the cultural movements of their creation.

Credit: .5

WORLD LITERATURE H (0052)

Grade: 10

WORLD LITERATURE CCP1 (0053)

WORLD LITERATURE CCP2 (0054)

Grade 10 English reinforces the skills gained in reading and writing through the study of world literature. Students will read increasingly complex literature, literary nonfiction, and informational texts focused on a variety of themes to understand how diverse cultures interpret similar ideas. Students will develop communication skills in writing, speaking, and listening by analyzing texts, making inferences, and citing strong textual evidence. Students will write in a variety of formats including argument, to support claims, informative to examine complex ideas, and narrative to develop creative thinking. Students will continue to build vocabulary and employ conventions of standard English. ***This course is eligible for the CTCGE.***

This is the required English course for Grade 10.

Credit: 1

Family and Consumer Science Courses

Thinking creatively, making decisions, relating to and communicating with others, and utilizing scientific technology are necessary for individuals and workers in an ever-changing global society. The Family and Consumer Science Department offers courses which are intended to give all students life coping skills.

BAKING AND PASTRY ARTS DE (8973)

Grades: 10-12

Dual Enrollment w/Gateway Community College

Prerequisite: Intro to Foods

This course introduces baking and pastry in intensive, hands-on laboratory training in a quality food environment. It concentrates on the production and quality control of baked goods that are used in hotels, restaurants, resorts and other institutions. Laboratory classes emphasize basic ingredients and production techniques for breads, rolls, folded doughs, batters, basic cakes, pies and creams. This course is a dual enrollment course with Gateway Community College and students have the opportunity to earn 3 college credits. ***Offered only at LHHS***

Credit: 1

CHILD DEVELOPMENT INTERNSHIP (6263)

Grades: 11-12

CHILD DEVELOPMENT INTERNSHIP (6273)

Course Level: Pass/Fail

This course provides practical experience for students interested in pursuing a career in early childhood or elementary education or who plan to enter the workplace upon graduation in the field of childcare. Internships are available in preschools, licensed childcare centers, primary level classrooms, YMCA programs and hospitals. The .5 credit option will require 250 hours of work; the 1.0 credit option will require 400 hours of work. The work experience will be monitored by the instructor and will involve ongoing communication between the instructor, the employer and the student.

Credit: .5 (6273)/1.0 (6263)

CULINARY ARTS AND HOSPITALITY MANAGEMENT 1 (8933)

Grades: 10-11

Course Level: CCP1

This course explores the competencies, characteristics and expectations of careers in foodservice and hospitality management. This course includes topics on sanitation and safety, nutrition, fundamentals of cooking sauces-stocks-soups, baking, and investigation of leadership competencies essential to success in the world of work. This class will emphasize 21st century employability competencies and will develop the professional skills for future employment in foodservice and hospitality operations. ***Offered only at LHHS***

Credit: 1

CULINARY ARTS AND HOSPITALITY MANAGEMENT 2 DE (8943)

Grades: 11-12

Dual Enrollment with Gateway Community College

Prerequisite: Culinary Arts and Hospitality Management 1

This course provides the student continuing instruction of the competencies, characteristics, and expectations of careers in foodservice and hospitality management. Topics include units on the preparation of appetizers, meats, poultry, seafood, fruits and vegetables, salads and dressings, starches, herbs and spices, baking, desserts and the various table service skills and styles utilized in the foodservice industry. Instruction also includes units on marketing, employment law, accounting, human resources, purchasing, inventory controls, pricing and profitability, and assessment of the leadership skills essential to a successful hospitality management career. An application process is required for entry into this class. Applications may be obtained from your school counselor or your food service instructor. This course is a dual enrollment course with Gateway Community College and students have the opportunity to earn 3 college credits. ***Offered only at LHHS***

Credit: 2

CULINARY ARTS AND HOSPITALITY MANAGEMENT 3 (8953)**Grades: 11-12****Course Level: CCP1****Prerequisite:** Culinary Arts and Hospitality Management 2

This course is the third course within our Culinary Arts and Hospitality Management program. The course is a business oriented class that focuses on skills that align to post-secondary business management. Students explore competencies that encourage independent and self-directed learners as they prepare for the world of work. Culinary Arts and Hospitality Management 3 is designed to empower students to manage and operate the following school-based business: The Healthy Drive, the district's food truck, The Cook's Cafe, A Grab and Go Cafe and the Cook's Catering. **Offered only at LHHS**

Credit: 1**FOOD FOR FITNESS (6123)****Grades: 9-12****Course Level: CCP1****Prerequisite:** Intro to Foods

This course provides students with an opportunity to explore nutrition through food science activities. The importance of food safety and sanitation along with preparation skills will be stressed. Menu and project planning will occur based on the USDA Dietary Guidelines and the food pyramid. An emphasis will be placed on the prevention of disease through nutrition and lifestyle choices and developing attitudes of wellness.

Credit: .5**FOOD SERVICE - WORK EXPERIENCE (8440)****Grade: 12****FOOD SERVICE - WORK EXPERIENCE (8430)****Course Level: Pass/Fail****Prerequisite:** Intro to Foods

Students enrolled in this course have the opportunity to earn credit for work experience if employed in a food service operation. The .5 credit option will require 250 hours of work; the 1.0 credit option will require 400 hours of work, each to be completed from September 1 to June 1 of the calendar year. The work experience will be monitored by the instructor and will involve ongoing communication between the instructor and the student and the employer. Students must pass Food Service 2 to be eligible to earn work experience credit.

Credit: .5 (8430)/1.0 (8440)**HOUSING AND INTERIOR DESIGN (6103)****Grades: 11-12****Course Level: CCP1**

Students will develop skills in housing decisions, architectural styles, and elements and principles of design, as well as to explore multiple career possibilities. Topics covered will include: architectural design, furniture styles and selection, floor plans, and room arrangements. Computer-aided floor planning and design opportunities may be utilized. Classroom experiences will emphasize classroom projects and cooperative activities.

Credit: .5

ECE INDIVIDUAL AND FAMILY DEVELOPMENT (6201)**Grades: 11-12*****UCONN Early College Experience***

This course addresses the development of the individual and the family throughout the lifespan. In particular, the course will focus on the developing individual within the context of the family system and changes that occur in the family systems over time. Guest speakers, shadowing, and internship opportunities will occur throughout the year in places such as local preschools, daycares, elementary and middle schools. Hospital and the Wallingford Senior Center. Students enrolled in this course can receive three college credits through the University of Connecticut Early College Experience (ECE) Program. To receive UCONN credit, students must earn a minimum of a D-. Individual and Family Development is a required course of all Education, Nursing, Family and Consumer Science Education and Family Studies majors at the University of Connecticut.

Credit: 1**INTRODUCTION TO FOODS & CULINARY ARTS (6113)****Grades: 9-12****Course Level: CCP1**

This course provides an opportunity for students to develop skills in food preparation through a variety of cooperative and independent learning activities. There is an emphasis on safety and sanitation from personal and food service perspectives. Fundamental culinary arts skills will be emphasized in addition to the following topics: quick breads, snack foods, yeast breads, pastry, fruits, vegetables, milk, eggs and cheese. Each unit will address nutrition, selection, and healthy eating habits.

Credit: .5**LIFE ON YOUR OWN (6203)****Grade: 12****Course Level: CCP1**

Seniors in high school are facing huge transitions. This course will assist in preparing for the coming years by helping them create a five-year plan which includes: financial literacy, consumer and employability skills, reducing stress, surviving roommates and living away from home. The class will also address time management and interpersonal skills. Students will face adult life with confidence!

Credit: .5**MULTICULTURAL FOODS (6133)****Grades: 11-12****Course Level: CCP1****Prerequisite:** Intro to Foods

To help students develop a better understanding of the world around them, this course will investigate various cultural groups with an emphasis on the food they eat. Countries or regions to be studied will be determined by student interest. Cooperatively, students will prepare and serve full meals or meal components from each country or region studied.

Prerequisite: Intro to Foods. ***This course is eligible for CTCGE.***

Credit: .5**THE DEVELOPING CHILD 1 (6243)****Grades: 10-12****Course Level: CCP1**

This course is a study of children from conception through the age of two. Areas addressed include planning for parenthood, parenting, human reproduction, prenatal development, childbirth, the newborn, infancy, and toddlerhood. Observations may take place at local daycare centers, nursery schools or in the classroom setting. This course is recommended for future parents and those interested in careers in medical fields, childcare, early childhood and elementary education.

Credit: .5

THE DEVELOPING CHILD 2 (6253)**Grades: 10-12****Course Level: CCP1**

This course is an extension of The Developing Child 1. The physical, intellectual, social and emotional growth patterns of children ages 3 to 12 will be addressed. Students will plan and implement a school-based nursery school. Other topics to be covered include children with special needs and children's literature, art, and music. This course is recommended for future parents and those interested in careers in teaching, social services, medical field, child care, early childhood and elementary education.

Credit: .5

Health and Physical Education

Wallingford Public Schools is dedicated to educating the whole student. By addressing the physical, mental and social wellbeing of each student, these courses can affect how a student feels every moment of every day for the rest of their lives. Students learn valuable social skills and business soft skills during group activities. Through health and physical education, students will be motivated and prepared with the skills and knowledge to develop and maintain overall wellness through lifelong activities and healthy practices.

EXEMPTION FROM PHYSICAL EDUCATION:

Each student must be enrolled and must participate in physical education unless excused in writing by a doctor. Medical excuses must be reaffirmed in writing annually. A student who has a doctor's excuse from physical education for more than one marking period will be assigned another course or study hall. Students with long term medical excuses will be handled on a case to case basis. Note, students excluded from physical education are still required to earn the total number of credits required for graduation and to meet the class load requirements.

HEALTH I (6534)

Course Level: CCP1

Grade: 9

This freshman health course welcomes students to high school and prepares them with health literacy skills and knowledge to take an active role in improving their overall well-being. Through important content knowledge on subjects such as vaping and mental health, students will practice vital health skills. Goal setting, decision making and finding valid information are a few examples of the skills students will develop.

Credit: .5

HEALTH II (6537)

Course Level: CCP1

Grade: 11

Prerequisite: Health I

This course equips students with the health literacy skills and knowledge to transition successfully from adolescence to adulthood. Students will learn how to evaluate and use information from various sources to achieve overall health and well-being. The major learning strands are Substance Abuse Prevention, Mental and Emotional Health, and Human Development and Relationships.

Credit: .5

PHYSICAL EDUCATION I (6615)

Course Level: None

Grades: 9-10

Student's participation in the physical education program leads to the development of their physical, social and emotional well-being. Units and activities fall into one of three categories: skill improvement, fitness basics and strategies & team dynamics. Along with providing quality movement experiences, students will begin to learn the skills and concepts necessary to be active for life. This course is a prerequisite to Physical Education II.

Credit: .5

PHYSICAL EDUCATION II (6635)

Course Level: None

Grades: 11-12

Prerequisite: Physical Education I

Physical Education II builds upon the skills, concepts and knowledge developed during the undergraduate course. The main focus of this course is to teach students how to live an active lifestyle, both now and in the future. A heavy emphasis is placed on lifetime activities and overall fitness. Students will also gain the confidence necessary to be active for life.

Credit: .5

PHYSICAL EDUCATION INTERNSHIP (6700)**Grade: 12****Course Level: Pass/Fail**

This course is designed for students who have an interest in physical education, teaching, and/or coaching. Students will have an opportunity to shadow the instructor, plan and implement lessons. The intern will be expected to model leadership skills, develop effective communication skills, and respect differences in the classroom. Interested students must apply for and be accepted into the program.

Credit: .5**UNIFIED PHYSICAL EDUCATION (6636)****Grades: 10-12****Course Level: CCP1**

This course pairs general education with students with special education students in a physical activity setting. The course work will focus on addressing development of all students' physical, emotional, and social well-being. Activities will include games, sports, and life skills.

Credit: .5

Humanities

FOUNDATIONS OF ACTING DE (0194)

Grades 10-12

Dual Enrollment with Southern Connecticut State University

Prerequisite: Theater 1

In this Foundations of Acting course, students will learn and practice the tools an actor uses when creating a character. They will work on solo pieces (monologues) and with partners (scenes from plays). Students will also have the opportunity to learn by observing the work of their classmates and attending dramatic performances. Students will experience the work of a theater artist through collaboration and taking part in an ensemble. Special attention and focus will be given to creating a safe, inclusive, and supportive environment for all participants.

Credit: .5

HUMANITIES H (9302)

Grade: 12

HUMANITIES CCP1 (9303)

Humanities is an interdisciplinary course which provides students with an opportunity to reflect upon their beliefs, thoughts, values, and traditions as reflected in the arts, literature, history, philosophy, science, and technology. The class promotes an understanding of the connections between the arts and their historical and cultural contexts and fosters an examination of universal questions. Through class participation and critical thinking, students will explore the interdisciplinary nature of life's struggles and aspirations, achievements and failures, values and vision that help us make sense of our lives and our world. ***This course is eligible for the CTCGE.***

Credit: 1

THE CAPSTONE EXPERIENCE (9603)

Grades: 10-12

THE CAPSTONE PROJECT (9613)

Course Level: Pass/Fail

The Capstone Experience and Project combine to form a yearlong experience that allows a student to focus on an area of interest and take learning beyond the classroom. Fall Semester: Capstone Experience meets every other day in a typical meeting pattern. Spring Semester: Capstone Project does not formally meet. Students move forward with their independent projects.

The Capstone Experience & Project allow students to demonstrate the knowledge and skills they have gained through a personalized project focused on an interest, career plan, or academic pursuit while guided by a teacher. Students will capitalize on their interests as a way of developing skills that will enable them to thrive beyond high school.

While each student's capstone experience will be personalized, all projects will include research, skill development and refinement, writing, and the successful completion of a final project.

Credit: .5 (each)

THEATER 1 (0214)**Grades: 9-12****Course Level: CCP1**

Theater 1 begins the exploration of the theatrical arts. Students will examine the basic elements of acting, directing, and technical theater. Core components of this course include: improvisation and pantomime, voice and movement, character development, motivation/behavior, script analysis, the audition process, theater layout, stage directions, blocking, elements of production design and stagecraft (set, props, lighting, sound, costume and makeup). Students will begin to examine theater throughout history, applying theatrical concepts and ideas to our modern world. Students will have the opportunity to attend and review live theatrical productions and will define their acting skills in a culminating performance of various scenes and skits of their choosing.

Credit: .5**THEATER 2 (0224)****Grades: 9-12****Course Level: CCP1****Prerequisite:** Theater 1

Theater 2 continues the exploration of the theatrical arts. Students will delve deeper into the elements of acting, directing, and technical theater. Core components of this course include: specialized voice and movement, stage combat, the rehearsal and production process, promoting a show, playwriting, screenplays, musical theater, film and TV, multimedia, advanced elements of production design and stagecraft (set, props, lighting, sound, costume, makeup). Students will continue to examine theater throughout history, applying theatrical concepts and ideas to our modern world. Students will have the opportunity to attend and review live theatrical productions and will refine their acting skills in a culminating performance of a one-act play of their choosing.

Credit: .5**YEARBOOK (9503)****Grade: 12****Course Level: CCP1**

Students will collaborate to produce, edit, and distribute the school yearbook and its end of the year supplement. The course involves a “hands-on” interdisciplinary approach aimed at developing skills in photography, journalism, layout and design, and the fundamentals of marketing. Interested students must apply for and be accepted into this course.

Credit: 1

Library Media

LIBRARY-MEDIA INTERNSHIP (9020)

Grades: 9-12

Course Level: Pass/Fail

This course provides the students with an “on-the-job” training opportunity to explore various aspects of a career in information resource management. Students will learn and practice a variety of clerical and technology skills transferable to jobs in a variety of fields. This course is offered on a pass/fail basis. Interested students must apply for and be accepted into the program. Contact the library-media specialist for more information.

Credit: .5

LIBRARY-MEDIA INTERNSHIP: ADVANCED PRACTICES (9030)

Grades: 9-12

Course Level: Pass/Fail

Prerequisite: Library-Media Internship

This course provides the students with an “on-the-job” opportunity to build on the skills learned in the basic internship, to apply those skills to a variety of information management systems, and to practice customer relation skills that will be transferable to a variety of jobs. This course is offered on a pass/fail basis. Interested students must apply for and be accepted into the program. Contact the library-media specialist for more information.

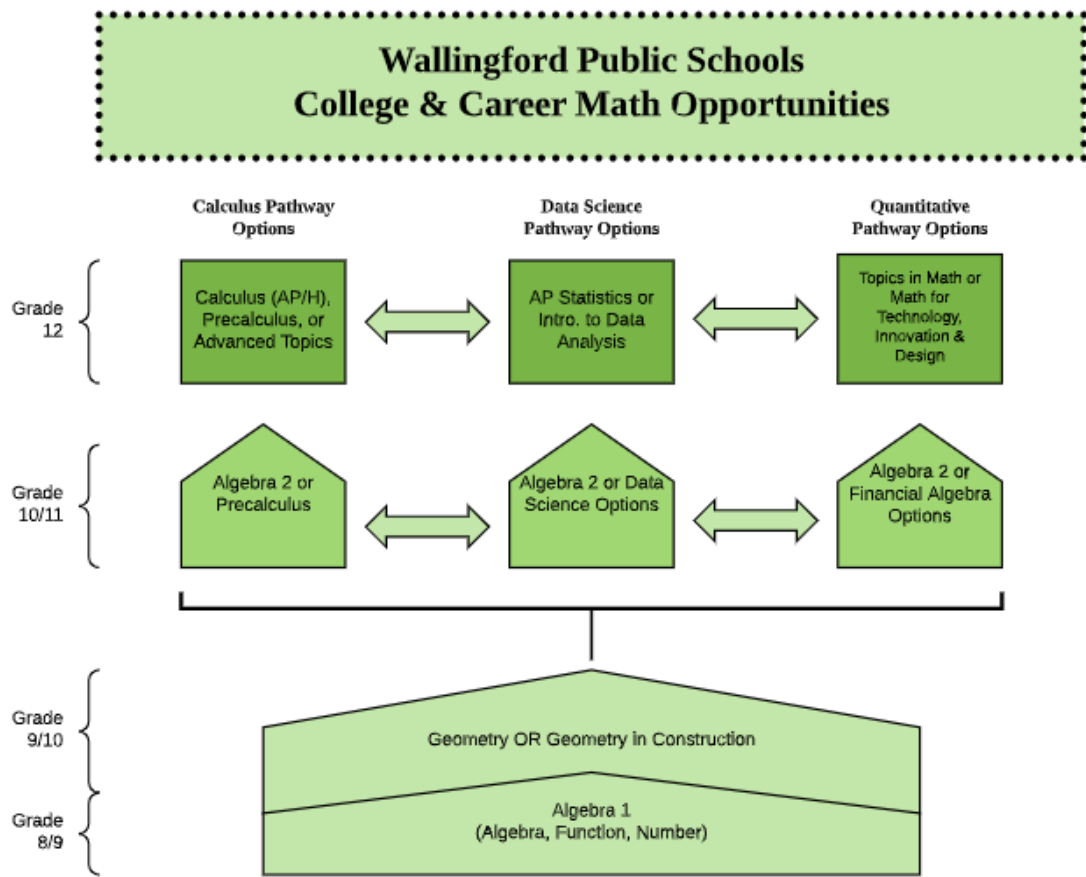
Credit: .5

Mathematics

The goal of the mathematics curriculum is to develop students' ability to learn and use mathematics as lifelong problem solvers. Students develop the facility to reason and communicate mathematically while learning to explore, investigate, conjecture, and reason logically. Emphasis is placed on helping students to understand how mathematics relates to other disciplines.

Students should note that they must satisfactorily demonstrate the district's performance standard in mathematics. This can be accomplished by either meeting the state proficiency level on the Scholastic Aptitude Test (SAT) or satisfactorily meeting alternate criteria identified by the district.

The mathematics curriculum provides a variety of courses designed to meet the needs for mathematical competency in both academic and vocational careers. A minimum of 4 credits in math must be earned in order to graduate. The mathematics pathways, shown below, offer students a variety of possible courses to meet these requirements. Students should choose courses that will align with their future career and life needs. Each provides rigorous, transferable content, and college and career preparation based on the needs of students after graduation.



ADVANCED TOPICS IN MATHEMATICS (1583)**Grade: 12****Course Level: CCP1****Prerequisite:** Algebra 2

The objective of this course is to further prepare students for post high school mathematical challenges while enlightening students to mathematical applications through interdisciplinary exploration. Students will improve their problem solving skills as they explore advanced topics in geometry and algebra that they may well encounter in college. The first half of the course also emphasizes SAT preparation.

Credit: 1**ALGEBRA 1 CCP1 (1253)****Grade: 9****ALGEBRA 1 CCP2 (1254)**

The fundamental purpose of this course is to formalize and expand the mathematics that students learned in the middle grades. There will be five critical areas of study; fluency with linear equations and inequalities, function notation and exploration of many types of functions, using linear models to analyze data, working with exponents and creating quadratic and exponential expressions, and analyzing and comparing the characteristics of exponential and quadratic functions with linear. Throughout the course students will use the content above to make sense of problem situations and model real life phenomena. Many topics will be investigated through the use of graphic calculators and other technologies. (A student who passes Algebra 1 at the middle school level with a grade of 80% or better may not repeat the course for that credit at the high school level. A middle school student with a grade less than 80% may repeat the course for credit at the high school level if the student's eighth grade teacher recommends that the course be repeated.)

Credit: 1**ALGEBRA 1 LAB (L254)****Grade: 9****Course Level: CCP2**

Students in this course will be given additional instructional time to investigate the curricula and activities in Algebra 1. The additional time will focus on student's skill development, mathematical reasoning and justification by writing, discussing, and applying to show their mathematical thinking.

Credit: 1**ALGEBRA 2 H (1322)****Grades: 10-12****ALGEBRA 2 CCP1 (1323)****ALGEBRA 2 CCP2 (1324)****Prerequisite:** Algebra 1 and Geometry

In this course students will expand their work with algebra functions and their ability to model and solve situations using equations. There will be three critical areas of study: building and understanding of the arithmetic of rational expressions, work with a variety of function families, extending to polynomial, rational, and logarithmic functions, in order to model situations, and identify different ways of collecting and analyzing data in order to make conclusions. Throughout the course students should experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Many topics will be investigated through the use of a graphing calculator and other technologies.

Credit: 1

ALGEBRA 2 WITH FINANCIAL APPLICATIONS (1004)**Grades: 11-12****Course Level: CCP2****Prerequisite:** Algebra 1

Algebra 2 with Financial Applications is an algebra-based, applications-oriented, technology dependent course that requires Algebra 1 and Geometry as a prerequisite. The course addressed college preparatory mathematics topics from Algebra 2 with Financial Applications, Statistics, Probability, Precalculus, and Calculus under seven financial umbrellas: Banking, Investing and Modeling a Business, Employment and Income Taxes, Automobile Ownership, Independent Living, and Retirement Planning and Household Budgeting. Students use a variety of problem skills and strategies in real-world contexts. The mathematics topics continued in this course are introduced, developed, and applied in an as-needed format in the financial settings covered. Algebra 2 with Financial Applications adheres to the following basic assumptions regarding mathematics education: All classroom activities will be student-centered, all units will have increased emphasis on algebraic representations, graphical representations, verbal representations and the interrelationships of these three approaches. There is an emphasis on estimation, number sense, problem solving, and the role that reading comprehension plays in problem solving. This course is an alternative to taking Algebra 2.

Credit: 1**CALCULUS (1532)****Grade: 12****Course Level: H****Prerequisite:** PreCalculus

This course introduces the basics of calculus emphasizing techniques such as functions and models, limits, differentiation of algebraic, trigonometric, exponential, logarithmic functions, elementary integrations, Riemann sums, and their applications. The objective of the course is to provide the student with a firm foundation in the theory and applications of introductory calculus, thus preparing them for the rigors of college level calculus. This course will prove useful to students continuing study in Business and both Physical and Social Science.

Credit: 1**AP/ECE CALCULUS 1 (1562)****Grade: 12*****Advanced Placement/UCONN Early College Experience*****Prerequisite:** PreCalculus

Differential Calculus - Students develop the skills to think divergently to solve problems, apply mathematics in the area of prediction and analysis and learn to develop multi-stage solutions in problem solving, focusing on rate of change and maximums-minimums applications. Students are exposed to the graphic interpretations of complex systems of equations, functions, limits, differentiation of algebraic and trigonometric, exponential, and logarithmic functions with applications to the physical and engineering sciences, indeterminate forms, anti-differentiations, definite integrals, Riemann sums. The objective of this course is to prepare highly motivated students to earn college credit through UCONN Early College Experience or earn Advanced Placement credit through achievement on the Advanced Placement examination. ***THIS COURSE WILL ONLY BE OFFERED DURING THE FALL SEMESTER AND STUDENTS WILL MEET EVERYDAY.***

Credit: 1

AP/ECE CALCULUS 2 (1572)**Grade: 12****Advanced Placement/UCONN Early College Experience****Prerequisite:** AP Calculus 1

Integral Calculus - This course is a continuation of Calculus 1 and students develop the skills to think divergently to solve problems, apply mathematics in the areas of prediction and analysis and learn to develop multi-stage solutions in problem solving. They learn to find area, volume, arc length, and surface areas by means of the definite integral. Students also learn the calculus of inverse trigonometric functions, techniques, and applications of integration, numerical integration, improper integrals, and integration with polar coordinates, parametric curves, infinite sequences and series, power series, Taylor's formula. The objective of this course is to prepare highly motivated students to earn college credit through UCONN Early College Experience or earn Advanced Placement credit through achievement on the Advanced Placement examination. **THIS COURSE WILL ONLY BE OFFERED DURING THE SPRING SEMESTER AND STUDENTS WILL MEET EVERY DAY.**

Credit: 1**GEOMETRY H (1222)****Grades: 9-10****GEOMETRY CCP1 (1223)****GEOMETRY CCP2 (1224)****Prerequisite:** Algebra 1

In this course students will explore more complex geometric situations and depend on their explanation of geometric relationships, moving toward formal mathematical arguments. There will be six critical areas of study, development of formal proof and using geometric constructions to solve problems about polygons, building a formal understanding of similarity and applying that to right triangle trigonometry, extending work with two-dimensional and three-dimensional figures to consider cross-sections and rotations, continue their study of quadratics by connecting the geometric and algebraic definitions, proving and studying relationships within circles, and building on probability concepts to make use of geometric probability models. Throughout the course students will use the content above to make sense of problem situations and model real life phenomena. Many topics will be investigated through the use of a graphing calculator and other technologies.

Credit: 1**GEOMETRY IN CONSTRUCTION (1225)****Course Level: CCP1****Grades: 9-10****Prerequisite:** Algebra 1

Geometry in Construction is an interdisciplinary course that integrates Geometry and Construction topics. The purpose of the course is to provide students with a better understanding of both the Geometry and its connections to Construction content through the combination of the academic and work-world contexts. The Geometry content matches that of the other Geometry courses taught in the Math Department, and prepares students for the subsequent Algebra 2 course. Students will be exposed to and gain experience in the following areas of construction: safety, framing, plumbing, electrical, roofing, windows, doors, and siding. Additional emphasis is given to teamwork, problem-solving, and the promotion of STEM education.

Credit: 1

INTRODUCTION TO DATA SCIENCE (1321)**Grades: 10-12****Course Level: CCP1****Prerequisite:** Successful completion of Algebra II or Co-Enrolled in Algebra II

Introduction to Data Science (IDS) is designed to develop students' computational and statistical thinking skills by teaching students to reason with, and think critically about, data in all forms. Data is everywhere, and this curriculum will help prepare students to live in a world of data. The CT Core Standards for High School Statistics and Probability relevant to data science are taught along with the data demands of good citizenship in the 21st century, including alignment with CSTA K-12 Computer Science Standards and Applied Computational Thinking Standards. IDS is also a mathematics course that prepares students to engage with the passport to advanced mathematics content encountered on the SAT through the use of a project-based learning approach. This instructional model involves students in problem-solving investigations and other meaningful tasks, to construct their own knowledge through inquiry, and culminates in a project.

Credit: 1**MATHEMATICS FOR TECHNOLOGY, DESIGN AND INNOVATION (1513)****Grade: 12*****Dual Enrollment Class w/Goodwin University*****Prerequisite:** Algebra 1 and Geometry

Designers and innovators use mathematics every day. This course includes instruction of mathematics as it directly relates to the introduction of design, engineering, manufacturing and innovation. Instruction will strengthen mathematical skills and will highlight the latest technology and tools while connecting math concepts to relevant machine applications, using industry-specific examples, realistic illustrations and actual machine functions. Simple-to-complex problems and examples progress from general mathematics to trigonometry and solid geometry while demonstrating math at work in design, machine trades, and manufacturing.

Credit: 1**PRECALCULUS DE(1524)****Grades: 11-12*****Dual Enrollment with Southern CT State University*****PRECALCULUS CCP1 (1523)****Prerequisite:** Algebra 2

In this course students will develop proficiency in advanced algebraic topics including trigonometry, coordinate geometry, conic, parametric and polar equations, and sequences and series. Mathematical models are developed using functions, equations, and graphs to help improve the communication of mathematical ideas. Reasoning skills are developed by solving problems that connect mathematical ideas to each other, other disciplines and applications to contextual situations.

Credit: 1**AP/ECE STATISTICS (1552)****Grades: 11-12*****Advanced Placement/UCONN Early College Experience*****Prerequisite:** Algebra 2A or Algebra 2H

This course will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimate population parameters and testing hypotheses.

Credit: 1

TOPICS IN MATHEMATICS (1014)**Grade: 12****Course Level: CCP2**

The objective of this course is to further prepare students for post high school mathematical challenges while enlightening students to mathematical applications through interdisciplinary exploration. The first unit is designed for students to consider their interests and make connections within the study of mathematics. As a group, the students, alongside the teacher, should construct what the class will explore throughout the year. Topics covered may include College Algebra concepts, Math for Food Service, Physical Education, the Sciences, and Technology Education, post-high school test preparation, and Math for Software Implementation.

Credit: 1

Medical & Health Technologies

An application process is mandatory for entry into the CNA program. Applications can be obtained from your school counselor in the School Counseling Department.

The Certified Nursing Assistant program and the Medical Terminology Course is located only at Mark T. Sheehan High School. Lyman Hall students enrolled in the CNA program and in the Medical Careers Fundamentals course will bus to Mark T. Sheehan High School and return to Lyman Hall.

ECE MEDICAL TERMINOLOGY (6363)

Grades: 11-12

UConn Early College Experience

This course is open to juniors and seniors and is offered at Sheehan High School. Biology, Anatomy, and Physiology are recommended prior to taking this course. This course provides an introduction to and mastery of medical terminology through the presentation of word roots, prefixes, and suffixes. The meanings of these terms will be in the context of anatomy and physiology of the human body.

Credit: 1

MEDICAL CAREERS 1: FUNDAMENTALS (6353)

Grades: 9-12

Course Level: CCP1

Students will explore topics including professional behaviors, medical ethics, structure and function of the human body, medical terminology, HIPAA, infection prevention and control, vital signs assessment, and geriatric care. Students explore health career pathways: Therapeutic Services, Diagnostic Services, Biotechnology Research and Development, Health Informatics, and Support Services. Through engaging activities, invited class guests and in working collaboratively with peers, students will demonstrate their learning through public speaking, simulation, and by analyzing a variety of ethical dilemmas while working with models of human body systems. This course is strongly recommended for learners who desire a career in the health science technology fields.

Credit: 1

MEDICAL CAREERS 2: CERTIFIED NURSING ASSISTANT (6343)

Grades: 11-12

Course Level: CCP1

Prerequisite: Biology and Medical Careers Fundamentals

This two credit course is open to all juniors and seniors and is taught at Sheehan High School. Students will learn attitudes, competencies, and skills that will provide the foundation for entry level career skills in the extensive Health Science professions. This course requires sixty hours of clinical experience and prepares students to take the State of Connecticut Exam for Certified Nursing Assistants. The current cost of the exam is \$118. Students must adhere to the policies and procedures of the clinical sites. Students **MUST** apply for the program by submitting a completed application **WITH PARENT SIGNATURE** and two (2) teacher references. Applications may be obtained in the School Counseling Office as well as from a medical careers teacher. Only complete applications will be considered.

Credit: 2

Music

The focus of the high school music program is to offer a variety of musical experiences to all students that reflect their interests and abilities. The music program is composed of both subject matter and performance. The subject offerings promote a broader knowledge and understanding through the study of music and musicians, while the applied music phase of the program is focused on the development of individual and cooperative performance skills, both choral and instrumental.

BAND H (5612)

Grades: 9-12

BAND CCP1 (5613)

The band is a multi-faceted performing ensemble that includes wind and percussion instruments. Emphasis is placed on the study of band literature. Students will be required to attend after school rehearsals and scheduled performances, including concerts and festivals. In the fall, students learn to combine the skills of performance and movement through rehearsals, marching band competitions, football games, school assemblies and pep rallies. Participation in marching Band is a requirement of this course, which also requires attendance at band camp in August.

Credit: 1

COLOR GUARD (5713)

Grades: 9-12

Course Level: CCP1

The color guard provides an artistic visual performance of the marching band music being performed using a variety of equipment and body techniques. Students perform in multiple settings including marching band competitions, football games, parades and indoor performances. An audition may be required to be accepted into the color guard based on rhythmic skills and physical coordination. Students will be required to attend off-season practices, summer camp in August, after-school rehearsals and scheduled performances.

Credit: .5

CONCERT CHOIR H (5722)

Grades: 9-12

CONCERT CHOIR CCP1 (5723)

CONCERT CHOIR CCP2 (5623)

This course is designed for students who are interested in furthering their knowledge of and skills in performing choral music for mixed voices. Various styles of music are studied and performed. Students are also introduced to sight-reading, music notation, and will explore the historical and cultural contexts of the music. The Concert Choir performances include: department concerts, assorted community events, and may participate in the music festivals and exchange concerts. Students will be required to attend after school rehearsals and scheduled performances.

Credit 1: 5722, 5723

Credit .5: 5623

JAZZ ENSEMBLE H (5792)

Grades: 9-12

JAZZ ENSEMBLE CCP1 (5793)

Jazz Ensemble is an advanced performing organization which includes saxophones, trombones, trumpets, and a rhythm section. The focus of Jazz Ensemble is the study of music fundamentals, improvisation, and the performance of standard jazz literature. Interested students must audition and be accepted into the course. Preference may be given to members of the concert band. List of topics covered are: Performance of Standard Jazz Literature, Jazz Theory, Jazz History, Jazz Terminology and individual and group instruction.

Credit: 1

MUSIC APPRECIATION (5603)**Grades: 9-12****Course Level: CCP1**

This music course is designed to increase awareness of and develop skills in listening, responding, and analyzing a variety of music. Students will trace the development of Western music genres from their beginnings to present day through the exploration of composers' lives, and the historical and social contexts of the times.

Credit: .5**MUSIC THEORY (5643)****Grades: 9-12****Course Level: CCP1**

This introductory music elective explores the fundamentals of music. In this course, students will learn to read music, improve listening skills and explore music composition. This course is open to all students.

Credit: .5**Music Technology (5604)****Grades: 9-12****Course Level: CCP1**

This course is designed for students who are interested in the creation of music through the use of technology. Students will use Soundtrap Digital Audio Workstation to create loops, edit audio and MIDI tracks, arrange, compose and score to a short film. They will also explore the various skills involved in podcasting, sound systems and remixing. No prior musical experience is required.

Credit: .5**AP MUSIC THEORY (5702)****Grades: 10-12****Advanced Placement****Prerequisite:** Music Theory

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.

Credit: 1**STRING ENSEMBLE H (5782)****Grades: 9-12****STRING ENSEMBLE CCP1 (5783)**

This course is designed for students who are interested in furthering their knowledge of and skills in performing string music. Various styles of music are studied and performed. Students are also introduced to sight-reading, musical notation, and will explore the historical and cultural contexts of the music. The string ensemble performs in concerts, in assorted community events, and may participate in music festivals and exchange concerts. Students will be required to attend after school rehearsals and scheduled performances.

Credit: 1

Science

Science helps to determine the nature of our lives and our society, so science education is central to all of our lives. It is a contributing factor to all government policies through vast technical developments and scientific research. Our world is complex and scientific knowledge is critical to making sense of it all. Whether making sense of current events, choosing and using technology or making decisions about one's health care, an understanding of science is key. Science is also critical as the United States continues to innovate, lead, and create jobs of the future. All students must have a solid science education. The State of Connecticut and Wallingford Public Schools have adopted and embraced the NGSS in our curriculum development, integrating the three dimensions of learning in science: disciplinary core ideas, crosscutting concepts and science and engineering practices that are essential in a 21st century science education.

	LIFE SCIENCE	EARTH & SPACE SCIENCE	PHYSICAL SCIENCE
9th Grade	Biology	Earth Science	
10th Grade	Biology Dynamics of Life Anatomy & Physiology Oceanology Forensics	Astronomy 1 & 2	Chemistry Physical Science Physics
11th Grade	AP Biology Dynamics of Life Anatomy & Physiology Oceanology Forensics	Astronomy 1 & 2 Environmental Science	Chemistry AP Chemistry Physical Science Physics AP Physics
12th Grade	AP Biology Dynamics of Life Anatomy & Physiology Oceanology Forensics	Astronomy 1 & 2 Environmental Science	Chemistry AP Chemistry Physical Science Physics AP Physics

- Dissection is one effective method of instruction in the biological sciences to demonstrate the relationship between structure and function. Any student who objects to participation in an activity involving dissection will be provided with an alternative lesson. Parents will be asked to sign an opt out letter.
- Students in the Agricultural Science program must take three science courses. Agricultural Science courses will be considered complete once students have completed standards in 2, 3, and 4, and will count towards one required science course for graduation.

Earth & Space Science Courses

ASTRONOMY 1 (2113)

Grades: 10-12

Course Level: CCP1

This course emphasizes how astronomers use the celestial sphere coordinates to navigate the night sky and observe the seasonal changes. The relationship between the Sun, Earth, and Moon and the historical developments in astronomy will be studied along with instrumentation such as telescopes, satellites, and spectroscopes.

Credit: .5

ASTRONOMY 2 (2123)

Grades: 10-12

Course Level: CCP1

This course is a comparative study of the planets and other objects in our solar system. Topics include exoplanets and their stars, along with the search for extraterrestrial life and the conditions for life as we know it to exist.

Credit: .5

EARTH SCIENCE CCP1 (2413)

Grade: 9

EARTH SCIENCE CCP2 (2414)

This course stresses the major disciplines of Earth Science such as geology, astronomy, meteorology, and the human impact on Earth. Students will investigate concepts related to earth system interactions, cycles, resources, plate tectonics, the solar system, star formation, climate change, weather prediction, and how humans impact the environment and how the environment impacts humans.

Credit: 1

ENVIRONMENTAL SCIENCE DE (2422)

Grades: 11-12

Dual Enrollment with Southern CT State University

This course focuses on the challenges of the 21st century relating to climate change and its components. Environmental Science is an applied science that uses information from other sciences, such as biology, chemistry and other disciplines to solve practical problems. It will include studies on ecosystems and environmental concerns, energy use and global climate change, economics of environmental concerns, environmental design, and environmental action research. Students who take this course will gain experience with group dynamics and environmental decision making.

Credit: 1

Life Science Courses

BIOLOGY H (2212)

Grades: 9-10

BIOLOGY CCP1 (2213)

BIOLOGY CCP2 (2214)

This course deals with basic concepts and phenomena central to the biological sciences. Students will be expected to express these principles of biology verbally, in writing and mathematically. Topics explored include ecosystems, DNA structure & heredity, cell biology & biochemistry, and biological evolution.

Credit: 1

AP BIOLOGY (2222)**Grades: 11-12****AP BIOLOGY LAB (L222)****Advanced Placement****Recommended Prerequisite: Biology & Chemistry**

This course is equivalent to a college introductory biology course and is designed to be taken after the successful completion of a first course in high school biology. It is also recommended that students take a course in chemistry. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science. The major units of study will be: molecules and cells, heredity and evolution, and organisms and populations. This rigorous course is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of the classroom. Students registering for this course must also register for the associated lab.

Credit: 1.5**ANATOMY & PHYSIOLOGY H (2242)****Grades: 10-12****ANATOMY & PHYSIOLOGY CCP1 (2243)****Recommended Prerequisite: Biology**

This course will relate structure and function to provide an integrated view of how the human body works. Numerous applications and everyday examples will show how the human responds to disease, injuries, as well as what conditions help to optimize health. Computer simulations and/or optional dissections of various body parts (using mammalian animal specimens) will be used to show how anatomy (structure) relates to physiology (function). The course reviews biochemistry, cell biology, tissues, and various organ systems. This course is recommended for science majors, especially health science majors. This rigorous course is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of the classroom.

Credit: 1**BIOLOGICAL SCIENCES: “DYNAMICS OF LIFE” (2232)****Grades: 10-12****Course Level: CCP1**

Explore the dynamic world of biology in this comprehensive course aligned with the NGSS science standards. From the microscopic realm of infectious diseases to the complex behavior of animals and the intricate structures of plants, students will delve into the interconnected web of life. Through Hands-On experiments, observations, and critical analysis, students will develop a deep understanding of the principles that govern the living world. The course emphasizes the NGSS cutting concepts of patterns, cause and effect, systems and system models, and structure/function. Students will engage in inquiry-based learning, fostering skills in scientific practices such as observation, experimentation, and evidence-based reasoning. Join us on a journey through the biological sciences where the Dynamics of Life come alive in every lesson.

Credit: 1**FORENSICS (2725)****Grades: 10-12****Course Level: CCP1**

This course focuses on the collection, identification, and analysis of crime scene evidence. Emphasis will be placed on the methods that link suspect, victim, and crime scene. Laboratory exercises will include fingerprinting, handwriting analysis, ballistics, blood typing, hair and fiber examination, and DNA analysis. Case studies and current events will be explored.

Credit: .5**OCEANOLOGY: “AN OCEANIC ODYSSEY” (2715)****Grades 10-12****Course Level: CCP1**

Oceanology: An Oceanic Odyssey Invite students to unravel the biological tapestry of the oceans, fostering an appreciation for the interconnected Web of Life beneath the waves. Through hands-on activities and exploratory learning, students will gain a profound understanding of the biological marvels that make the oceans a vital and diverse component of our planet.

Credit: .5

Physical Science Courses

CHEMISTRY H (2322)

Grades: 10-12

CHEMISTRY CCP1 (2313)

Recommended Prerequisite: Algebra 1

This course deals with the fundamental concepts and phenomena central to chemistry. Students will be expected to express these principles of chemistry verbally, in writing, and mathematically. Topics explored include atomic structure and properties of matter, intermolecular and intramolecular forces and bonding, kinetics, chemical equilibrium, and thermochemistry, as well as chemical reactions.

Credit: 1

AP CHEMISTRY (2352)

Grades: 11-12

AP CHEMISTRY LAB (L352)

Advanced Placement

Recommended Prerequisite: Chemistry

This course is the equivalent of the general chemistry course usually taken during the first years of college and is designed to follow the successful completion of a high school chemistry course, such as Academic or Honors Chemistry. Topics covered include the structure of matter, kinetic theory of gasses, chemical equilibria, chemical kinetics, and the basic concepts of thermodynamics. Strong emphasis is placed on chemical calculations and the mathematical formulation of principles. The course should contribute to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. This rigorous course is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of the classroom. Students registering for this course must also register for the associated lab.

Credit: 1.5

PHYSICAL SCIENCE: CONCEPTUAL EXPLORATION IN CHEMISTRY & PHYSICS CCP1 (2743)

Grades: 10-12

PHYSICAL SCIENCE: CONCEPTUAL EXPLORATION IN CHEMISTRY & PHYSICS CCP2 (2744)

This course deals with the basic aspects and general behavior of matter. Students will be expected to express these principles of physical science verbally, in writing, and mathematically. Topics explored include energy, waves and electromagnetic radiation, structure and properties of matter, chemical reactions, and forces and interactions.

Credit: 1

PHYSICS H (2522)

Grades: 10-12

PHYSICS CCP1 (2513)

Recommended Prerequisite: Algebra 1

This course deals with the fundamental concepts and phenomena central to physics. Students will be expected to express these principles of physical science verbally, in writing, and mathematically. Topics explored include motion and forces, energy, linear momentum, collisions, rotational motion, gravity, orbits, oscillation, waves, electricity, magnetism, and electromagnetic waves.

Credit: 1

AP PHYSICS (2552)**Grades: 11-12****AP PHYSICS LAB** (L552)**Recommended Prerequisite: Geometry** (AP Physics can be taken concurrently with Algebra 2)

This course included topics in both classical and modern physics. A knowledge of algebra and trigonometry is required for the course. The basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems are the major goals of the course. This rigorous course is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of the classroom.

Students registering for this course must also register for the associate lab.

Credit: 1.5**SCIENCE CAPSTONE EXPERIENCE** (9653)**Grades: 11-12****SCIENCE CAPSTONE RESEARCH** (9663)

The Science Capstone Experience & Science Capstone Research combine to form an inquiry-based yearlong experience that aims to engage students in authentic scientific research by investigating real-world topics of interest. Fall Semester: Science Capstone Experience meets in a typical meeting pattern. Spring Semester: Science Capstone Research does not formally meet. Students move forward with their independent research and/or project.

This personalized experience will include research, skill development and refinement, writing and the completion of a scientific research paper or project with a presentation.

Credit: .5 (each)

Social Studies

The purpose of social studies is to prepare students to meet the ongoing needs they face in a highly complex and rapidly changing society. The program aims to develop independent lifelong learners who are interested in studying human activities in meaningful ways. The curriculum guides students to become contributing members of society who actively and intelligently address the social issues in their community. The essential skills focus on developing questions and planning inquiry, evaluating sources, using evidence, communicating conclusions, and taking informed action.

AFRICAN AMERICAN/BLACK AND PUERTO RICAN/LATINO STUDIES (3543)

Grades: 10-12

Course Level: CCP1

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

Credit: 1

AP COMPARATIVE GOVERNMENT AND POLITICS (3152)

Grades: 10-12

Advanced Placement

AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students compare the effectiveness of approaches to many global issues by examining how different governments solve similar problems. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. **This course is eligible for CTCGE.**

Credit: .5

CONTROVERSIES AND CONSPIRACIES (3103)

Grades: 10-12

Course Level: CCP1

Controversies and Conspiracies offers students an opportunity to examine some of society's most significant and interesting issues in our rapidly changing world. Broad topics that may be addressed in the course include National Security, The Environment, Sports and Culture, as well as the Impact of Technology on our past, present, and future. Controversies and Conspiracies offers flexibility based on current events and student interest to explore specific events and trends within these larger topics. High level critical thinking, inquiry, research, argumentation, informational reading, writing and communication skills will be practiced throughout this course. **This course is eligible for CTCGE.**

Credit: .5

CRIMINOLOGY & THE CRIMINAL MIND (3600)

Grades: 10-12

Course Level: CCP1

Why do some members of our society commit crime, while others do not? What motivates individuals toward violence, illegal activity, and other deviant behavior? Can crime be stopped? These are the questions that criminologists seek to answer every day. In this elective course, students will delve into the work of criminologists. They will learn how the criminal mind works by analyzing biological and sociological theories of crime. Students will examine the different types of crimes that exist in our society. Finally, students will analyze how the legal and criminal justice system attempts to deal with crime and those that commit them. Students interested in this field may consider taking this course in conjunction with the Forensic course offering.

Credit: .5

ECONOMICS (3533)**Grades: 10-12****Course Level: CCP1**

This course explains how and why people and societies make economic choices. Students will examine macroeconomic and microeconomic principles in order to understand the fundamentals of the American and global economic systems. Real world application and examples of economic concepts such as supply and demand, gross domestic product, inflation, and trade will be explored.

Credit: .5**AP ECONOMICS (3552)****Grades: 10-12****Advanced Placement**

This is a full year course designed to prepare students to take the Advanced Placement Microeconomics and/or the Advanced Placement Macroeconomics exam(s). One portion of this course will focus on macroeconomics and will introduce students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Another portion of the course will include the study of microeconomics and introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.

Credit: 1**AP/ECE EUROPEAN HISTORY (3444)****Grades: 11-12****Advanced Placement / UCONN Early College Experience**

AP/ECE European History is an introductory college-level European history course. Students cultivate their understanding of European history by analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts such as the interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation. **This course is eligible for CTCGE.**

Credit: 1**PSYCHOLOGY (9403)****Grades: 10-12****Course Level: CCP1**

Psychology is the scientific study of the human mind and behavior. In this course, students develop an understanding of the complexities of human thought and behavior, as well as the factors related to the differences among people. Students will explore various aspects of human behavior, as well as the factors related to the differences among people. Students will explore various aspects of human behavior including theories of personality, aspects of thought processes, state of consciousness, dreams, motivation and emotion, and many areas of mental illness. Students will gain an understanding of the scientific methods that are at the core of the discipline and will apply the knowledge gained from class to their daily lives. **(Due to the similarities of the course content, students enrolled in Psychology cannot enroll in AP Psychology as part of their graduation requirements.)**

Credit: 1

AP PSYCHOLOGY (9452)**Grades: 11-12****Advanced Placement**

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. **(Due to the similarities of the course content, students enrolled in Psychology cannot enroll in AP Psychology as part of their graduation requirements.)**

Credit: 1**SOCIOLOGY (3563)****Grades: 10-12****Course Level: CCP1**

Sociology is the study of human social behavior. Sociologists analyze data, looking for patterns in social relationships. The field of sociology looks at groups, rather than the individual perspective. The groups to which we belong or want to belong help shape our perceptions. Sociology allows us to step outside ourselves to understand the world around us. Individuals benefit by using their sociological knowledge to evaluate events in their personal lives. In this course, students will explore such essential questions as: *What influences who we are and what we become?* Furthermore, students will develop skills to look at data of different kinds to understand institutions, social constructs, and their impact on groups within society. **This course is eligible for the CTCGE.**

Credit: .5**MODERN WORLD HISTORY H (3592)****Grade: 9****MODERN WORLD HISTORY CCP1 (3593)**

This is a global history course that provides a cohesive approach to learning and understanding the history of the world. In this course, students will explore the transformations that created our modern world, beginning in the eighteenth century and ending in our present moment. This course will help students learn how to use stories about our connected human past to orient themselves to their present moment and prepare for the future. This course fosters key social studies skills through the use of overarching inquiry problems and narrative perspectives.

This course is required for Grade 9 Social Studies.**Credit: 1****UNITED STATES GOVERNMENT AND POLITICS (3493)****Grade: 11****Course Level: CCP1**

This course is designed to provide students with practical knowledge and analytical perspective on government and politics in the United States and its direct connection to them. Relevance to life is imperative to students to connect with the democratic process as citizens of the United States. Students will be able to apply knowledge of the U.S. Constitution and demonstrate their understanding of how the American system of government functions on the local, state and national levels as well as the impact on individual citizens. Students will also be able to demonstrate their understanding that U.S. citizens have both rights and responsibilities in order for our government to maintain order in our society and that as citizens they should consider alternatives to the traditional ways things have always been done. A student-centered and inquiry-based approach will be taken to help students question and develop a perspective on how America's government functions.

This course will satisfy the Civics credit requirement for graduation.**Credit: .5**

AP UNITED STATES GOVERNMENT AND POLITICS (3492)**Grades: 10-12*****Advanced Placement***

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes and behaviors. They will also engage in disciplinary practices that require them to reach and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

This course will satisfy the state Civics credit requirement for graduation.

Credit: 1

UNITED STATES HISTORY H (3122)**Grades: 10-11****UNITED STATES HISTORY CCP1 (3123)**

In this course, students will explore major events in United States history, focusing on the rise of Industrial America to the present. The content explores forces and factors which have shaped 20th century American history. Emphasis is placed on recurring historical themes, ideas and trends. The course focuses on key skills that include interpretation of historical documents and argument writing. Students are given the opportunity to acquire an understanding of our country's past, and to see themselves as part of American society today.

This course is required for Grades 10 and 11 Social Studies.

Credit: 1

AP UNITED STATES HISTORY (3162)**Grades: 10-11*****Advanced Placement***

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work; exchange and technology; geography and the environment; migration and settlement; politics and power; American in the world; American and regional culture; and social structures. This course will satisfy the state US History credit requirement for graduation.

This course may be taken to fulfill the Social Studies requirements for Grades 10 and 11.

Credit: 1

AP WORLD HISTORY: MODERN (3591)**Grades: 10-12*****Advanced Placement***

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. **This course is eligible for the CTCGE.**

Credit: 1

Technology Education

Technology Education, an important part of the district's Career and Technology Education initiative, offers students, both male and female, the opportunity to develop essential skills to live and work in our technological world. Through the study of one or more of the following areas: communication, construction, manufacturing, and transportation systems, students will develop an understanding of the use and control of technology, its effect on individuals, the environment and society. The students will as a result of experience technology demonstrate transferable skills, knowledge for successful life management, employment, and successful career development.

Architecture and Construction

HOME REPAIR & MAINTENANCE (7223)

Grades: 11-12

Course Level: CCP1

Through exposure, demonstration, and hands-on experiences, the student will become a better educated consumer, will become more self-sufficient and less depended on the use of costly outside service providers, and will gain the knowledge of the structure and various systems that need repair and maintenance as opposed to the commonly referred practice of a “throwaway society”. This course will cover repair of roofs, gutters, walls, floors, furniture, water and waste systems, electrical systems, heating and cooling systems, insulation, and mechanical applications that relate to interior and exterior home maintenance. These experiences will expose the student to the trades, professions, and career opportunities related to the maintenance and repair of all structures and systems that are common to daily living.

Credit: 1

RESIDENTIAL CONSTRUCTION (7273)

Grades: 10-12

Course Level: CCP1

Students will construct models and/or actual buildings to demonstrate knowledge of site planning, the ability to read and interpret blueprints, foundation, framing, sheathing, siding, roofing, and finishing techniques in the construction of residential structures. Learning strands include safety practices, local, state and federal construction regulations, qualitative analysis of materials on a cost value vs. budget basis. Students will explore multiple career opportunities and the impact of environmental and technological advances on lifelong learning.

Credit: .5

WOODWORKING 1: INTRODUCTORY (7233)

Grades: 9-12

Course Level: CCP1

This course will provide students with an opportunity to experience activities using materials, tools, processes within this production area. Students will use a variety of hand and machine tools; planning, layout, processing, assembly, and finishing techniques related to wood products.

Credit: .5

WOODWORKING 2: ADVANCED (7243)

Grades: 10-12

Course Level: CCP1

Prerequisite: Woodworking 1: Introductory

Students will learn to design and produce a useful customer wood product with an emphasis on complex wood joints, and in-depth instruction on the operation of machines.

Credit: 1

Information Technologies

COMPUTER PROGRAMMING [PYTHON] (7391)

Grades: 10-12

Course Level: CCP1

Students will develop a working knowledge of programming in the Python language in order to solve complex problems. The goals are to develop logical thought processes and problem solving skills through computer programming and to foster computer literacy.

Credit: 1

AP COMPUTER SCIENCE A (7392)

Grades: 10-12

Advanced Placement

Prerequisite: Algebra I (Completion of Computer Programming [Python] is also suggested)

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and enjoin using the Java programming language.

Credit: 1

CYBERSECURITY (7386)

Grades: 10-12

Course Level: CCP1

This course focuses on 21st century employability skills and career explorations in cybersecurity. Students will explore career opportunities in the field of information and cyber security. Students will learn the principles of cyber security, understand techniques of social engineering and malware, examine case studies, and explore the features of different operating systems and the protections and monitoring systems available.

Credit: .5

GRAPHIC COMMUNICATION (7173)

Grades: 9-12

Course Level: CCP1

Utilizing multiple software applications, scanners, digital cameras, and laser and color printers, students will learn how ideas are communicated through words and illustrations to create a graphic message. A variety of input devices will be used to design and produce graphic messages such as posters, letterheads, business cards, and brochures. Students will be exposed to areas of web page design including HTML coding and other web designs software.

Credit: .5

ROBOTICS (7313)

Grades: 9-12

Course Level: CCP1

We live in a world that is increasingly dependent on automation and robotics to meet the demands of manufacturing, experimentation, and research and development, amongst many other fields. In a robotics course, students will be exposed to the emerging technologies, principles, and problem solving found in the field of robotics. Students will use software to program custom-built robots to perform specific tasks. Using science, technology, engineering, and mathematics (STEM), students will build complex electro-mechanical systems that move independently and perform pre-programmed tasks.

Credit: .5

Manufacturing Production Processes

AEROSPACE AND DRONE FLIGHT (7014)

Grades: 10-12

Course Level: CCP1

This course is an overview of aerial transportation systems and the physics of flight. Students will investigate the methods of flight that humans use for transportation, including fixed-wing aircraft, rotary aircraft, and propulsion systems. Students will use the engineering design process and apply STEM knowledge and skills to solve aerospace challenges. They will work both individually and in collaborative teams to design, test, and improve aerial vehicles in order to meet a variety of different conditions and challenges. This practical exploration will cover topics in the physics of flight, aerospace design, propulsion, alternative applications of aerial vehicles, and control systems. Students may choose to pursue an FAA Part 107 certification for professional drone pilots. *(Offered only at LHHS)*

Credit: .5

ARCHITECTURE DESIGN 1: INTRODUCTORY (7113)

Grades: 9-12

Course Level: CCP1

In this course students will design and develop a complete set of plans for a residential structure. Assignments will be pursued in much the same way an architect relates to a client. Technical skills will be emphasized along with the ability to communicate one's ideas. Students will be introduced to architectural computer aided drafting.

Credit: 1

ARCHITECTURE DESIGN 2: ADVANCED (7123)

Grades: 10-12

Course Level: CCP1

Prerequisite: Computer Aided Drafting & Design

In this course students will design a building for a given site with an emphasis on architectural computer aided drawing. Compliance with state and local codes and regulations will be stressed. Sketches, cost estimates, and specifications will be worked out along with a complete set of working drawings and models. In addition to residential design and constructions, commercial building and small land development projects will be covered.

Credit: 1

COMPUTER AIDED DRAFTING & DESIGN (7163)

Grades: 9-12

Course Level: CCP1

During the first half of the year students will explore traditional drafting techniques such as how to sketch and draw different objects/products accurately. The second half of the year focuses on computer aided drafting and the reinforcement of traditional drafting skill using the computer. Through individual or group problem solving activities, students will learn to read, interpret and draw technical plans that fit a variety of applications.

Credit: 1

ADVANCED COMPUTER AIDED DRAFTING & DESIGN DE (7193)

Grades:10-12

Dual Enrollment with Goodwin University

Prerequisite: Computer Aided Drafting & Design

This course focuses on the use of computer aided technical drafting systems to solve a variety of design and engineering problems. Emphasis will be placed on using different projects to create solid models, develop assembly drawings, design solutions to engineering problems, and design products based on function and form utilizing math and science concepts. This course is a dual enrollment course with Goodwin University and students have the opportunity to earn 3 college credits.

Credit: 1

EXPLORING ENGINEERING AND TECHNOLOGY (8224)**Grades: 9-12****Course Level: CCP1**

Students will examine problems that will engage and challenge them to explore a broad range of engineering and design topics. Students will be introduced to the engineering design process and will apply STEM knowledge and skills to design solutions for a variety of real problems. They will work both individually and in collaborative teams to develop skills in problem-solving, research, and design while learning how to document design solutions, to use engineering notebooks, and to use 3D modeling software. This authentic exploration will cover topics in design, problem solving, mechanical motion and systems, materials and structures, planning and development, and environmental sustainability.

Credit:.5**INTRODUCTION TO CNC MACHINING (7283)****Grades: 11-12****Course Level: CCP1****Prerequisite: Computer Aided Drafting & Design**

This course focuses on modern computer numerical control (CNC) operations. Using interactive virtual simulators, students will learn the essentials of CNC Machining. Participants will learn Haas Mill setup and operation, tool identification and setup, use and maintenance of CNC mills, and the skills operators need to operate a 3-axis CNC mill. Additionally, students will learn basic programming to assist in the operation of a CNC machine.

Credit: .5**MATHEMATICS FOR TECHNOLOGY, DESIGN AND INNOVATION DE (1513)****Grade: 12*****Dual Enrollment with Goodwin University*****Prerequisite: Algebra 1 and Geometry**

Designers and innovators use mathematics every day. This course includes instruction of mathematics as it directly relates to the introduction of design, engineering, manufacturing and innovation. Instruction will strengthen mathematical skills and will highlight the latest technology and tools while connecting math concepts to relevant machine applications, using industry-specific examples, realistic illustrations and actual machine functions. Simple-to-complex problems and examples progress from general mathematics to trigonometry and solid geometry while demonstrating math at work in design, machine trades, and manufacturing. This course is a dual enrollment course with Goodwin University and students have the opportunity to earn 3 college credits.

Credit: 1**PRE-ENGINEERING AND ADVANCED MANUFACTURING DE (8213)****Grades: 11-12*****Dual Enrollment with Goodwin University***

This course focuses on 21st century employability skills and career explorations in engineering and manufacturing. The emphasis is to provide students an introduction to concepts relevant in a modern manufacturing and engineering environment. These concepts include Workplace Safety, Quality Practices & Measurement; Lean Principles, Manufacturing Processes & Production, and Soft Skills. Students may investigate, through the college and career counseling office, a supervised job shadowing/internship experience where they may work up to 120 hours and gain firsthand knowledge of the work environment and the opportunities available to them. This course is a dual enrollment course with Goodwin University and students have the opportunity to earn 3 college credits.

Credit: 1

World Languages

The world languages program develops the mastery of the four basic language skills: listening, speaking, reading and writing. This program presupposes an intellectual maturity on the part of the student and a willingness to devote intensive study to the oral, written and cultural aspects of the language.

FRENCH 3 (4132)

Grades: 9-12

Course Level: H

This course continues and builds upon listening comprehension and speaking skills. More advanced grammar study is conducted and students are expected to communicate in French. Reading selections provide opportunities for class discussions in the language. Students will be engaged in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1

FRENCH 4 (4142)

Grades: 10-12

Course Level: H

This course focuses on the study of complex French grammar and the reading of authentic French literature. Emphasis is placed on discussing and writing about the literature in French. Students are expected to use the target language extensively in class. Students will be engaged in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1

FRENCH 5 (4102)

Grades: 11-12

Course Level: H

This course provides opportunities for students to develop their proficiency in all four language skills: listening, speaking, reading and writing. French is used almost exclusively by both teachers and students resulting in an increased opportunity for oral and written expression in the language. This course includes conversation, review of selected points of grammar, reading and analysis of literary and non-literary texts and discussion regarding culture, media and current events. This course will engage students in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1

AP/ECE FRENCH 6 (4112)

Grade: 12

Advanced Placement/UCONN Early College Experience

This course provides opportunities for students to develop their proficiency in all four language skills: listening, speaking, reading and writing. French is used exclusively by both teachers and students resulting in an increased opportunity for oral and written expression in the language. This course includes conversation, review of selected points of grammar, reading and analysis of literary and non-literary texts and discussion regarding culture, media and current events. This course will engage students in a variety of activities to foster a better understanding of the language and culture. Students will study global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics. **This course is eligible for the CTCGE.**

Credit: 1

ITALIAN 1 (4313)**Grades: 9-12****Course Level: CCP1**

This course will teach students the basic elements of the Italian language and culture. Through interactive lessons using everyday vocabulary, students will speak, read, write, and understand spoken Italian. Students will engage in a variety of activities to foster a better understanding of the language and the culture. **This course is eligible for the CTCGE.**

Credit: 1**ITALIAN 2** (4323)**Grades: 10-12****Course Level: CCP1**

This course begins with a detailed review of Italian 1 grammar. There is an emphasis on increasing opportunities to use the language in speaking, reading, writing and listening. Students will learn new vocabulary and grammar necessary for more sophisticated reading and more complex dialogues in class. Students will be engaged in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1**ITALIAN 3** (4332)**Grades: 11-12****Course Level: H**

This course continues grammar study, expands vocabulary, and provides increased opportunities for students to listen to, speak, read and write Italian. Intermediate level stories with both content-based and evaluative discussions and questions supplement grammar study. **This course is eligible for the CTCGE.**

Credit: 1**AP ITALIAN 4** (4352)**Grade: 12****Advanced Placement**

In this course, students continue to develop a wider vocabulary and increase their fluency in all four language skills. Students are expected to use the target language extensively in class. The cultural study includes Italian history, art and literature. Students will be engaged in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1**LATIN 1** (4413)**Grades: 9-12****Course Level: CCP1**

This course will acquaint students with our cultural debts to Rome. Students will master skills necessary for the reading and study of Latin literature. They will increase their English vocabulary through the study of word formation while also learning key Latin vocabulary. Through this course of study, students will be introduced to classical mythology, Roman history, and culture. Students will attain a working knowledge of English vocabulary derived from Latin words related to the field of law, medicine, science and business. **This course is eligible for the CTCGE.**

Credit: 1**LATIN 2** (4433)**Grades: 10-12****Course Level: H**

Latin 2 is the second of only four courses within the scope and sequence of Wallingford's Latin program. The aim of this course is to engage students in the majority of Latin's grammatical content so they have the tools they need to proficiently read authentic Latin texts which range from epigrams to historical reports. In addition to learning essential grammatical content, students will analyze the culture, society, and politics of the Roman Empire's interaction with Egypt and Britain in the first century CE. **This course is eligible for the CTCGE.**

Credit: 1

LATIN 3 (4432)**Grades: 11-12****Course Level: H**

In this course, students will read and comprehend passages by Roman authors and master more detailed grammar and vocabulary. Through this experience, students will learn to appreciate Rome's history as well as its civilization, not only for its impact on our own society, but also for its inherent worth as one of the most important cultures of all time. Students will attain a working knowledge of English vocabulary derived from Latin words related to the field of law, medicine, science and business.

This course is eligible for the CTCGE.

Credit: 1

AP LATIN 4 (4442)**Grade: 12****Advanced Placement**

This course offers students the opportunity to apply and deepen their knowledge of Latin grammar and Roman culture by analyzing Vergil's *Aeneid* and *Caesar's Gallic Wars*. Students are expected to understand not only the broad strokes of a piece of literature but also the finer details. Students will contextualize that literature in light of genre, ancient history, and culture. These steps enable them to analyze a text carefully, create a critical argument that is rooted in the piece, and genuinely understand the circumstances of its composition. They become careful and critical evaluators of information, and they learn to connect these new understandings to their own lives and to the world. **This course is eligible for the CTCGE.**

Credit: 1

SPANISH 1 (4513)**Grades: 9-12****Course Level: CCP1**

This course is designed to teach the basic elements of the Spanish language and culture. Through short dialogues using everyday vocabulary, students will be able to speak, read, write and understand spoken Spanish. Students will be engaged in a variety of different activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1

SPANISH 2 (4523)**Grades: 9-12****Course Level: CCP1**

This course begins with a detailed review of Spanish 1 grammar. There is an emphasis on increasing opportunities to use the language through speaking, writing, reading and listening. Students will learn new vocabulary and grammar necessary for more sophisticated reading and more complex dialogues. Students will be engaged in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1

SPANISH 3 H (4532)**Grades: 9-12****SPANISH 3 CCP1** (4533)

This course continues to build upon listening comprehension and speaking skills. More advanced grammar study is conducted and students are expected to communicate in Spanish. Reading selections provide opportunities for class discussions in the language. Students will be engaged in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1

SPANISH 4 (4542)**Grades: 10-12****Course Level: H**

This course focuses on the study of complex Spanish grammar and the reading of authentic Spanish literature. Emphasis is placed on discussion and writing about the literature in Spanish. Students are expected to use the target language extensively in class. Students will be engaged in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1**SPANISH 5 (4502)****Grades: 11-12****Course Level: H**

This course provides opportunities for students to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Spanish is used almost exclusively by both teachers and students, resulting in an increased opportunity for oral and written expression in the language. This course includes conversation, review of selected points of grammar, reading and analysis of literary and non-literary texts and discussion regarding culture, media and current events. This course will engage students in a variety of activities to foster a better understanding of the language and culture. **This course is eligible for the CTCGE.**

Credit: 1**AP/ECE SPANISH 6 (4562)****Grade: 12*****Advanced Placement/UCONN Early College Experience***

This course provides opportunities for students to develop their proficiency in all four language skills: listening, speaking, reading and writing. Spanish is used exclusively by both teachers and students, resulting in an increased opportunity for oral and written expression in the language. This course includes conversation, review of selected points of grammar, reading and analysis of literary and non-literary texts and discussion regarding culture, media and current events. This course will engage students in a variety of activities to foster a better understanding of the language and culture. Students will study global challenges, science and technology, contemporary life, personal and public identities, families and communities, and beauty and aesthetics. **This course is eligible for the CTCGE.**

Credit: 1**SPANISH CULTURE AND CONVERSATION (4510)****Grades: 9-12****Course Level: CCP1**

This course is designed to focus on oral/aural communication in Spanish, with a focus on high-frequency, everyday conversational language. Students will speak and understand novice conversational Spanish in introductory, everyday situations. Students will also explore the culture of Spanish-speaking countries. Materials will be presented in an active, flexible and meaningful manner with a focus on deepening cultural awareness while acquiring introductory oral language skills. This course is intended for students who have not yet had experience with the Spanish language. **This course is eligible for the CTCGE.**

Credit: 1

Student Support Services

CORE ENGLISH 1 (019)

GRADES: 9-12

CORE ENGLISH 2 (029)

CORE ENGLISH 3 (039)

CORE ENGLISH 4 (049)

Course Level: CCP2

This course is for students that qualify for special education services under IDEA. Students are placed based on a need identified through the Planning and Placement Team process. Curriculum is tailored to the individual reading and writing needs of each student based on their individualized education plan. The course incorporates functional academic skills, social skills, daily living skills and vocational skills. Instruction and activities take place in both the school and in the community in order to address transition needs and to maximize independence.

Credit: 1

CORE MATH 1 (1019)

GRADES: 9-12

CORE MATH 2 (1029)

CORE MATH 3 (1039)

CORE MATH 4 (1049)

Course Level: CCP2

This course is for students that qualify for special education services under IDEA. Students are placed based on a need identified through the Planning and Placement Team process. Curriculum is tailored to the individual math needs of each student based on their individualized education plan. The course incorporates functional academic skills, social skills, daily living skills and vocational skills. Instruction and activities take place in both the school and in the community in order to address transition needs and to maximize independence.

Credit: 1

LEARNING STRATEGIES LAB 9804 (1), 9844 (.5)

Grade: 9

Course Level: CCP2

This course is for students that qualify for special education services under IDEA. Students are placed based on a need identified through *Planning and Placement Team* process. Students' attention will be focused on goals and objectives.

Credit: .5 or 1

LEARNING STRATEGIES LAB 9814 (1), 9874 (.5)

Grade: 10

Course Level: CCP2

This course is for students that qualify for special education services under IDEA. Students are placed based on a need identified through *Planning and Placement Team* process. Students' attention will be focused on goals and objectives.

Credit: .5 or 1

LEARNING STRATEGIES LAB (9824)

Grade: 11

Course Level: CCP2

This course is for students that qualify for special education services under IDEA. Students are placed based on a need identified through *Planning and Placement Team* process. Students' attention will be focused on goals and objectives.

Credit: .5

LEARNING STRATEGIES LAB (9834)**Grade: 12****Course Level: CCP2**

This course is for students that qualify for special education services under IDEA. Students are placed based on a need identified through *Planning and Placement Team* process. Students' attention will be focused on goals and objectives.

Credit: .5**PATHWAY TO ALGEBRA 1 (1059)****Grades: 9-12****PATHWAY TO ALGEBRA 2 (1060)****PATHWAY TO ALGEBRA 3 (1061)****Course Level: CCP2**

This sequence of courses is for students that qualify for special education services under IDEA. Students are placed based on a math need identified through the Planning and Placement Team process and progress through the courses as appropriate. Curriculum is tailored to the individual math needs of each student. Students will acquire skills needed to progress to an Algebra 1 course through multiple modalities.

Credit: 1**VOCATIONAL EDUCATION PROGRAM (8120)****Grades: 9-12****Course Level: CCP1****Offered at LHHS Only**

This course is for students that qualify for special education services under IDEA. Students are placed based on a need identified through the Planning and Placement Team process. Curriculum is tailored to the individual needs of each student. The skills taught are functional in nature and support the development of appropriate work ability and habits. Areas of instruction include career awareness, social skills, self-advocacy and job training.

Credit: 1**PEERS SUPPORTING PEERS INTERNSHIP (9013)****Grades: 11-12****Course Level: Unleveled**

This course provides students with an interest in the education field an opportunity to learn about teaching as they assist special education students in classroom settings. Students will model appropriate social behavior and assist with group and research work. Students will be assigned to a specific classroom based on interest and need. This course is offered on a pass/fail basis. Interested students must apply for and be accepted into the program. Contact the special education department chairperson at the high school for more information.

Credit: .5

Community Connection Program

The Wallingford School District is pleased to offer Mentorships, Job Shadows, and Off-Campus Internship opportunities for interested students. Career Exploration is vital for all students regardless of their individual interest, aspirations and capabilities. These experiences are offered to provide students the opportunity to explore possible career interests. Students who simply want a glimpse into a particular profession may opt to explore a mentorship or job shadow opportunity. Those who wish to gain a more in depth understanding of a particular field may choose to pursue an internship. Job Shadows and mentorships are not graded or offered for credit, but are ways to assist students as they make decisions about their post-high school lives. Internships are offered for credit and graded on a pass/fail basis and will appear on the student's transcript.

The College and Career Center's Community Connection Program offers students the opportunity to explore possible careers outside of the classroom. This program has 3 different options:

- Mentorship
- Job Shadow Experience
- Internship Experience

Mentorship

Students may be connected with a professional with the student's career area of interest for the purpose of gathering information and asking questions. Students may communicate with mentors via email. Phone or in person for informational interviews. These communications take place during a student's own time.

Job Shadow Experience

Job shadows are offered as 1-3 day opportunities. Job shadows can be anywhere from one hour to a full day in length. Job Shadows that are one day in length are permitted during the school day with parental permission. Job shadows that take place over multiple days must be completed after school hours. Students are required to make up any missed class work. Students participating in a Job Shadow may not be given tasks to perform. These students are strictly observing the job functions performed by the professional they shadow.

Eligibility for mentorship or job shadow:

- Open to all grade levels

Process to obtain a mentorship or job shadow:

- Students will go to the College and Career Center to obtain a Career Connection Interest Form. This form needs to be completed to include parent/guardian signatures.
- Students will be notified by the College and Career Specialist when a job shadow or mentorship has been identified.
- If the job shadow is to take place during school hours, students will be given a permission form that must be completed and returned to the College and Career Center prior to participation. Students are responsible for their own transportation to and from the job shadow site. Parents must indicate by their initials the mode of transportation the student will use.
- The Career Connection Agreement Form will be given to the student and must be signed by all parties to include: student, parent/guardian, career specialist, site supervisor.

Every effort will be made to accommodate all requests for job shadow or mentorships. However, in the event that this is not possible, the student will be notified and offered the opportunity to explore a different career.

Off Campus Internship Programs

Internships are an experiential opportunity for students who wish to gain an in-depth understanding of a particular career field. These internships are unpaid and must provide an educational experience with a specified learning focus. Internships are very helpful in providing insight to a student as they plan for their post-high school lives and make the necessary plans needed to pursue higher education or the world of work. Internship experiences are offered up to three times a year with start dates in the fall, winter and spring. Each set of Internships will be eight to ten weeks in length with a 4-5 hour commitment each week.

The total length of the Internship experience will be 25-50 hours depending on the specific experience. Internships must take place during after school hours. Seniors who have a study hall last period may take advantage of this time for the purpose of the internship.

(Credit: .25 credit)

Grade: Pass/Fail

Eligibility for Off Campus Internships:

- The student must be a junior or senior, age 16 years or older.
- The student must have a minimum overall average of 70 based on the previous semester final grades and the student must be passing all courses in which they are currently enrolled.
- Habits of Work score must be 3 or above.
- The student must be demonstrating appropriate school behavior and attendance.
- The student must be successfully meeting graduation requirements.
- The internship must be approved by the College and Career Specialist and the student's parent/guardian.

Every effort will be made to accommodate all requests for internships. However, in the event that this is not possible the student will be notified and be offered the opportunity to explore a job shadow or mentorship in the desired field, or an internship exploring a different career.

Process to Obtain Internship:

- Students visit the College and Career Center and complete a Community Connection Interest Form to include parent/guardian signatures. Students are encouraged to submit requests as early as possible. It may take up to several weeks to obtain and solidify an intern host.
- Submit a professional resume. Students may be required to attend a resume workshop with the Career Specialist if it is deemed necessary.
- Completion of State of Connecticut Health and Safety Course facilitated by the Career specialist prior to placement.
- Students must meet any eligibility requirements for the specific internship site. For example, some internship sites require an interview, orientation or job shadow prior to starting.
- Students must work with the Career Specialist to complete all required paperwork as well as outline goals and objectives prior to the start date.

Educational Center for the Arts

The Educational Center for the Arts (ECA) offers programs for high school students who are gifted and talented in the performing and visual arts. The program is supported by school districts in the greater New Haven area and administered by Area Cooperative Educational Services (ACES). It is located in the Audubon Street Arts Center, at the corner of Orange and Audobon Streets in New Haven. Students may earn a maximum of two credits toward graduation per year of successful participation in ECA and may enroll in only six (6) credits of coursework at their high school in any year of participation. Students enrolled in the ECA Program will be required to earn 1.5 physical education credits from Wallingford Public Schools unless they are accepted into the ECA physical education program. Quality points are assigned to credit earned for participation.

DUAL ENROLLMENT OPPORTUNITIES

*Wallingford Public Schools has multiple opportunities for students to participate in college level courses for credit during the course of the high school day. Dual Enrollment courses are listed in the department sections and are designated with **DE** and list the college they have been articulated with.*

Wallingford Public Schools staff will review the enrollment procedures at each college and the choice is the students if the students desire to. Some of the dual enrollment courses are free to students and some will have a per credit fee outlined by the college or university. All students interested in the dual enrollment courses will need to meet all criteria for enrollment.

Goodwin University ~ Early College Advanced Manufacturing Pathway (ECAMP)

Students at both Lyman Hall and Mark T. Sheehan High Schools have the opportunity to apply and if accepted may earn college credit at Goodwin University. These classes can be used in a 21 Credit CNC machining certification or applied to further associates or bachelors degrees. As an accredited university, these credits are highly transferable to other colleges and universities.

Goodwin University ECAMP Courses 21 Credit CNC Machining Certificate	
Goodwin University Course	Wallingford Course
BMM 100 – Intro to Manufacturing	Pre-Engineering and Manufacturing(PEAM)
BMM 140 – Principles in Mfg Math	Mathematics for Tech, Design, and Innovation
BMM 222 – Technical Drawing	Advanced Computer-Aided Drafting and Design
BMM 224 – Metrology and Calibration BMM 210 – Lean Manufacturing BMM 175 – CNC Machining BMM 240 – Computer Aided Man.	Take at Goodwin University

University of Connecticut ~ Early College Experience

The University of Connecticut Early College Experience (ECE) provides academically motivated students the opportunity to take university level courses at their high school and receive both high school credit and college credit from UCONN. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and financial head start on college degree and other postsecondary opportunities. To support this rigorous learning opportunity, UCONN academic resources, including library and online classroom access, are available to all ECE students.

The following courses from the high school Career and Course Planning Guide are approved UCONN ECE courses. In a given year, some courses may not run due to low enrollment or faculty availability. Please note that students can elect to take these courses without registering to receive college credit through the ECE program.

<u>HIGH SCHOOL Course Listing</u>	<u>UNIVERSITY OF CONNECTICUT ECE Course Listing</u>
AP Literature and Composition (0512)	FULL YEAR ENGL 1007: Seminar and Studio in Academic Writing and Multimodal Composition
AP Statistics (1552)	FULL YEAR STAT 1100 Q Elementary Concepts of Statistics
AP Calculus 1 (1562)	FALL MATH 1131 Q Calculus 1
AP Calculus 2 (1572)	SPRING MATH 1132 Q Calculus 2
AP/ECE European History	SPRING HIST 1400 Modern Western Traditions FALL HIST 1300 Western Traditions before 1500
AP French 6 (4112)	SPRING FREN 3268 Grammar and Composition FALL FREN 3250 Global Culture in French 1
AP Spanish 6 (4562)	FALL SPAN 3178 Intermediate Spanish Composition SPRING SPAN 3179 Spanish Conversation: Cultural Topics
Medical Terminology (6363)	FULL YEAR AH 2001 Medical Terminology
Companion Animal 3 (8284) (Offered only at Lyman Hall High School)	FALL 1676 Introduction to Companion Animals

High School Co-op Language Program At Yale University

Sponsored by The Whitney and Betty MacMillan Center for International & Area Studies at Yale and its
Programs in International Education Resources (PIER)

The Whitney and Betty MacMillan Center for International & Area Studies at Yale offers introductions to the following seldom-taught languages: Arabic, German, Italian, Japanese, Kiswahili, Polish, Portuguese, or Russian, Turkish and Zulu - to any high school student in the greater New Haven area.

Classes: HSCLP Classes begin early to mid-October and run until at least mid-May. They will meet once a week at Yale for an hour and a half, beginning sometimes after 4 p.m., the exact time and place to be announced the week before the first session. Students are assigned homework. The classes are small “group tutorials,” not for Yale credit, but are substantial enough to justify granting partial high school credit, as some schools have done in the past. Six students are required to start a class.

Cost and Payment: There is a fee for this program. In some classes, students or their schools also have to purchase the textbooks. Students or their schools must make payment by check and give it to the teacher in class. Students may attend the first two class sessions at no cost. For students deciding to pursue a course, payment is due by the third class. Beyond the third week of classes, fees are not refundable. If you are interested, information is available through the school counseling department. Visit <https://worldclass.macmillan.yale.edu/> for more information.

The Connecticut Certificate of Global Engagement ((CTCGE)

Education for Global Competency

What is the Connecticut Certificate of Global Engagement?

A designation that districts may award students who demonstrate achievement toward global competency, as defined by an ability to:

- Investigate the world beyond their immediate environment
- Recognize their own and others' perspectives
- Communicate ideas effectively with diverse audiences
- Translate their ideas into appropriate actions to address a contemporary global issue

How Does a Student Achieve the Connecticut Certificate of Global Engagement?

- Globally focused coursework
- Globally focused extracurricular activities
- Globally focused service learning or action project

What is the Purpose of the Connecticut Certificate of Global Engagement?

Engagement validates a student's deliberate pursuit of global education and awareness. This designation will be listed on the student's transcripts and aims to:

- Educate a globally competent citizenry by encouraging students to pursue the global aspects of their education
- Prepare a globally competent workforce for Connecticut
- Recognize the value of global learning and its essential place in a well-rounded contemporary education

Components of The Connecticut Certificate of Global Engagement

Academic Courses - Successful completion of grades 9-12 of the following (demonstration of mastery or average grade of B or better):

Embedded in the coursework should be Connecticut's Common Core State Standards (CCSS), 21st Century Skills, Student Learning Objectives (SLOs), and the criteria of globally competent students as developed by CCSSO.

- Students must complete 3 years of high school equivalent study in one or more world language(s) (or demonstration of mastery)
- Students must complete 4 credits of coursework (or demonstration of mastery) in Social Studies, English Language Arts, Fine Arts and other coursework with a global focus and other coursework with a global focus that are already a part of the school's course of study. For example:
 - International Economics, Business or Marketing
 - International or Foreign Affairs
 - World/Non-U.S. History
 - World Geography
 - Comparative Cultures and/or religions
 - Science and/or Technology courses with global application/perspective
 - Literature of another country, region or culture
 - Music, Drama, and Visual Arts with international perspective
 - Other courses with an international focus

Eligible Courses are identified throughout the Program of Students with the following denotation:

This course is eligible for the CTCGE

Globally Focused Student Activities:

Active participation in at least one or more co-curricular or extracurricular activities over at least 3 years of high school experience.

These may include, but are not limited to:

- Regular, direct engagement with individuals from other countries/cultures (e.g., pen pals, Skype)
- Language clubs and/or honor societies
- Internationally focused clubs
- Internationally themed programs/competitions for high school students (e.g., Model UN or DECA international competitions)
- Language immersion programs
- Attendance at a series of lectures on international topics and/or speakers in the community or at a college/university
- Activities comparable to those listed above in collaboration with other individuals or organizations with the student's school and/or from other schools
- International exchange program as exchange student and/or host
- Travel abroad program/educational tour

Global Service Learning or Action Plan:

A global/cross cultural public service involving at least twenty (20) hours of work connected to a global community (different from his/her own) or to a contemporary global issue. In some districts, the culminating activity may be a Capstone (or similarly cumulative) action based project on an understanding and deep learning of a contemporary issue. Examples may include:

- Raising awareness about a global issue
- Fundraising for an international nonprofit agency/organization
- Working on an international project with the Returned Peace Corps Volunteers, Rotary or other service club
- Tutoring a child who is an English language learner
- Volunteering with a cultural/linguistic organization

N E A S C Accreditation Statement

Lyman Hall High School and Mark T. Sheehan High School are accredited by the New England Association of Schools and Colleges, Inc., a non-governmental, nationally recognized organization whose affiliated institutes include elementary schools through collegiate institutions offering post-graduate instruction. Accreditation of an institute by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by The New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institutions.

Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to the administrative staff of the school or college. individuals may also contact:

NEW ENGLAND ASSOCIATION OF SCHOOLS AND COLLEGES
3 BURLINGTON WOODS DRIVE, SUITE 100, BURLINGTON, MASSACHUSETTS 01803
TOLL FREE (855) 886-3272, (781) 425-7700, FAX (781) 425-1001

Lyman Hall High School and Mark T. Sheehan High School are accredited by the Connecticut State Department of Education and are members of the New England Association of Colleges and Secondary Schools.