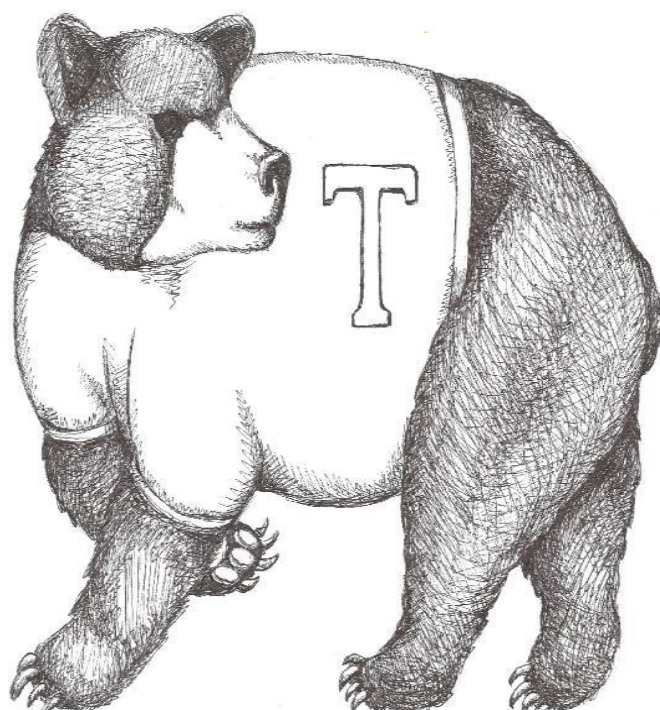


THOMASTON HIGH SCHOOL PROGRAM OF STUDIES



Educate, Challenge, Inspire
2023-2024

Contents

District Performance Standards	5
GENERAL INFORMATION	6
COURSE REQUIREMENTS	6
COURSE LOAD.....	6
SEQUENTIAL PROGRAMS OF STUDY	8
COLLEGE PREPARATION	8
CURRICULUM COURSE LEVELS.....	9
COURSE SELECTION GUIDELINES	9
GRADING SYSTEM	10
CLASS RANK/GPA	10
WEIGHTING SCALE.....	10
ADD/DROP.....	12
SCHEDULING PROCEDURE.....	13
SCHOOL COUNSELING SERVICES.....	13
SCHOOL-TO-CAREER PROGRAM	13
HIGH SCHOOL PARTNERSHIP PROGRAMS	14
NORTHWESTERN COMMUNITY COLLEGE	14
NAUGATUCK VALLEY COMMUNITY COLLEGE	14
UNIVERSITY OF CONNECTICUT	14
INTERVENTION	15
LIFE SKILLS PROGRAM Course # 9505	15
COURSE DESCRIPTIONS	16
GRADE SEVEN AND EIGHT	16
ELA (7) (A and B) Course # 7021/7022	16
ELA (8) (A and B) Course # 8021/8022	17
MATH (7) (A and B) Course # 7305	17
MATH (8) (A and B) Course # 8305	17
ALGEBRA (8) Course # 8300	18
SCIENCE (7) Course # 7400	18
SCIENCE (8) Course # 8400	18
WORLD GEOGRAPHY (7) Course # 7200.....	18
US HISTORY-THE 13 COLONIES THROUGH THE CIVIL WAR (8) Course # 8200.....	18
GRADE SEVEN AND EIGHT ELECTIVES	19
ART (7/8) Course # 7500.....	19
BAND (7/8) (Full Year) Course # 8600	19
CHORUS (7/8) (Full Year) Course # 8500	19
EXERCISE SCIENCE (7/8) Course # 6756H	20
FAMILY AND CONSUMER SCIENCE (7/8) Course # 8530	Error! Bookmark not defined.
INFORMATION LITERACY (7/8).....	20

PHYSICAL EDUCATION (7/8) Course # 7800/8800.....	20
STEM I Course # 7515	20
STEM II Course # 8515	21
SPANISH EXPLORATION (7/8) Course # 7711/8808.....	21
INTRO TO INDUSTRIAL ARTS (7/8) Course # 7510.....	21
GRADES NINE THROUGH TWELVE ELECTIVES	22
ART	22
ART I Course # 6216.....	22
ART II Course # 6226.....	22
ART III Course # 6230.....	22
ART IV Course # 6245	22
BUSINESS/TECHNOLOGY	23
COMPUTER APPLCIATIONS Course #6112.....	23
DIGITAL ARTS I (3) Course #6188.....	23
DIGITAL ARTS II (3) Course #6189.....	23
DIGITAL MEDIA I and II (3) Course #6191 and #6192.....	23
DIGITAL MEDIA III (2) Course #6194.....	24
ACCOUNTING I (3) Course # 6110	24
ACCOUNTING II (2) Course # 6125	24
ECONOMICS (2)(3) Course# 6131.....	24
PRINCIPALS OF MARKETING (2)(3) Course # 6132.....	25
SPORTS AND ENTERTAINMENT MARKETING (2)(3) Course #6133.....	25
PERSONAL FINANCE (3) Course # 6155	26
DESKTOP PUBLISHING I (3) Course # 6170	26
DESKTOP PUBLISHING II (3) Course # 6175	26
AP COMPUTER SCIENCE PRINCIPLES (1) Course # 6100.....	26
ENGLISH.....	27
ENGLISH 9 (2) Course # 1100	27
ENGLISH 9 (3) Course # 1110	27
ENGLISH 10 (2) Course # 1200.....	28
ENGLISH 10 (3) Course # 1210.....	28
ENGLISH 11 (2) Course # 1300.....	29
ENGLISH 11 (3) Course # 1310.....	29
UCONN ENG1010: Rhetoric & Legal Issues (1) Course #1504	30
Grade 12 ECE Lit and Comp (1) Course #1507.....	29
ENGLISH 12 (2) Course # 1402.....	31
ENGLISH 12 (3) Course # 1410.....	31
ENGLISH ELECTIVES.....	32
NWCC COM H173--PUBLIC SPEAKING Course #1427.....	31
THE JOURNEY OF THE SELF (2) Course # 1425.....	32
MARVEL: A STUDY OF MYTHOLOGY (2) Course #1435.....	31
CREATIVE WRITING (2) Course # 1440	33
JOURNALISM (2) Course # 1445	33
ENGLISH COURSE SEQUENCE.....	34
FAMILY AND CONSUMER SCIENCE	35
FASHION MERCHANDISING AND DESIGN Course # 6455	Error! Bookmark not defined.
FOOD AND NUTRITION Course # 6425	Error! Bookmark not defined.
CULINARY ARTS Course # 6426	Error! Bookmark not defined.
CHILD DEVELOPMENT I and II Course # 6450 and 6455.....	Error! Bookmark not defined.

ADULT LIVING Course # 6445	Error! Bookmark not defined.
INDUSTRIAL EDUCATION	37
CONSTRUCTION TECHNOLOGY (3) Course # 6511	37
MANUFACTURING (3) Course # 6512	37
CAD I (Basic Drafting Techniques) (3) Course # 6535	37
CAD II (Advanced Drafting Principles) (3) Course # 6540	38
CAD III (Architecture and Solid Modeling) (3) Course # 6550.....	37
INDUSTRIAL ARTS I(3) Course # 6508	38
INDUSTRIAL ARTS II (3) Course # 6509	38
SMALL ENGINE REPAIR Course #6560.....	39
AUTOMOTIVE REPAIR Course # 6562.....	38
PHYSICAL EDUCATION/HEALTH	40
PHYSICAL EDUCATION (Grade 9/10) Course # 6736	40
PHYSICAL EDUCATION (Grades 11/ 12) Course # 6735	40
HEALTH I Course # 6750	40
HEALTH II Course # 6760.....	40
PHYSICAL EDUCATION ELECTIVES	41
EXERCISE SCIENCE Course # 6755.....	41
M A T H E M A T I C S.....	42
ALGEBRA (3) Course # 3110.....	42
GEOMETRY (2) Course # 3202	42
GEOMETRY (3) Course # 3210	42
STATISTICS AND PROBABILITY (3) Course # 3105.....	42
ADVANCED ALGEBRA (2) Course # 3300	43
ADVANCED ALGEBRA (3) Course # 3310	43
PRE-CALCULUS (2) AND (3) Course # 3400/3410	43
ADVANCED PLACEMENT STATISTICS (1) Course # 3425	43
ADVANCED PLACEMENT CALCULUS AB (1) Course # 3500.....	44
MATHEMATICS COURSE SEQUENCE.....	45
M U S I C.....	46
CHORUS I, II, III, IV Course # 6346, 6347, 6348, 6349.....	46
BAND I, II, III, IV Course # 6311, 6312, 6313, 6314.....	46
MUSIC THEORY Course # 6380	46
PIANO I Course # 6360.....	47
PIANO II Course # 6365.....	47
SCHOOL-TO-CAREER.....	48
WORK PROGRAM Course # SCWV	48
COMMUNITY VOLUNTEER Course # SCCV.....	48
WORK VOLUNTEER Course # SCWV.....	48
INTERNSHIP Course # SCIP.....	49
SCIENCE	50
BIOLOGY (2) and (3) Course # 4220 and 4230	50
CHEMISTRY (2) and (3) Course # 4310 and 4330.....	50
PHYSICS (2) Course #4420	51
PHYSICS (3) Course # 4410	51
UConn PHYSICS (1) Course # 4421	52
SCIENCE ELECTIVES	52

SCIENCE AND ENGINEERING COHORT Courses 4800-4815-4825.....	52
ENVIRONMENTAL SCIENCE (3) Course #4320	522
UConn BIOLOGY Course #4601.....	52
ADVANCED PLACEMENT CHEMISTRY Course # 4525.....	52
ANATOMY AND PHYSIOLOGY (2) Course # 4360.....	53
ROBOTICS I (3) Course # 4431	54
ROBOTICS II (3) Course #4432	54
ROBOTICS III (2) Course #4433.....	53
INTRO TO FORENSIC SCIENCE (2) Course #4434	55
INFECTIOUS DISEASES (2) Course #4444.....	54
CERTIFIED NURSE AIDE (3) Course # 9999	55
SCIENCE COURSE SEQUENCE	56
SOCIAL STUDIES	57
GLOBAL STUDIES (2) Course #2125.....	56
GLOBAL STUDIES (3) Course #2135.....	56
WORLD BACKGROUND (2) Course # 2200.....	56
WORLD BACKGROUNDS (3) Course #2210.....	57
UNITED STATES HISTORY (2) and (3) Course # 2310.....	58
UConn UNITED STATES HISTORY (1) Course # 2510	58
AMERICAN AND WORLD CITIZENSHIP (2) Course # 2402	59
AMERICAN CIVICS AND GOVERNMENT (3)Course # 2427	59
SOCIAL STUDIES ELECTIVES.....	59
CRIMINAL LAW (3) Course #2450.....	59
PSYCHOLOGY (3) Course # 2460.....	60
AP PSYCHOLOGY (1) Course # 2470.....	60
AFRICAN AMERICAN AND MINORITY CULTURES Course # 2505.....	60
UConn WESTERN TRADITIONS (1) Course #2570.....	60
UConn MODERN WESTERN TRADITIONS (1) Course #2580.....	60
UConn POLITICAL SCIENCE (1) Course #2510.....	61
SOCIAL STUDIES COURSE SEQUENCE	63
WORLD LANGUAGE	64
SPANISH I (3) Course # 5210.....	64
SPANISH II (3) Course # 5220.....	64
SPANISH III (2) Course # 5230.....	64
SPANISH IV (2) Course # 5240	65
ONLINE COURSE OPPORTUNITIES	66
PORTFOLIO	67
PARALEGAL STUDIES PROGRAM	69
LCS105 Leadership: Elements of Organizations	Error! Bookmark not defined.
BRISTOL TECHNICAL EDUCATION CENTER	71
Purpose:	71
Program:.....	71
Tuition:	71
Admission Procedures:.....	71
Programs at Bristol Tech:	72
Technology Course Descriptions:.....	73

District Performance Standards

a. **Language:**

Reading- Students will respond to prompts about fictional and non-fictional text. The fictional pieces will be literature based and will meet the Common Core State Standards in literacy.

Writing- Students will respond to prompts about a non-fictional piece of literature that is information-based and will meet the Common Core State Standards in literacy. The essays will be focused, organized, detailed and edited according to standard English conventions.

b. **Mathematics:** Within the content of the course in which the student is enrolled, he/she will satisfactorily complete multi-step mathematical problems, which require demonstration of basic math operations including fractions or decimals. The student will be provided with any required formulas and may use a calculator in completing the task. The student shall also explain in writing either how he/she arrived at each answer or justify each answer in writing.

c. **Technology:** Each student must successfully complete a multi-media presentation that demonstrates computer competencies. The student must select the appropriate technology and software and use the technology independently. The graduation requirement is taught within an existing course or may be completed in another course with the teacher's approval in advance.

c. **Portfolio/Capstone Project:** All students must successfully complete a four-year portfolio which is finalized with a Capstone Project. Students work on this project each year through advisory, and a ½ credit course is required by seniors for Capstone Completion.

GENERAL INFORMATION

COURSE REQUIREMENTS

COURSE LOAD

Middle School students are required to take a full course load including both core and elective courses: ELA (A), ELA (B) Math (A), Math (B) Social Studies, and Science, along with PE each year. Students may then select from a list of electives to enrich their schedules.

High School students must earn 25 credits to fulfill the graduation requirements outlined on page seven. Additionally, students must be enrolled in a minimum of 5 credit bearing courses to be considered a full-time student.

Per State Statute 10-221a, all Thomaston High School students must satisfactorily meet the following requirements prior to graduation and /or being granted a diploma:

- a. All students must meet a minimum of 25 units of credit.
- b. All students must earn units of credit as dictated by the following credit distribution requirement.

<i>Course</i>	<i>Credit</i>
English	4 credits
Social Studies <i>US History (1 credit) required</i> <i>Civics (.5) required</i>	3 credits
Fine Arts <i>Art or Music</i>	1 credit
Humanities <i>Art, Music, Psychology, Language Arts, Social Studies, World Language</i>	1 credit
Mathematics <i>Algebra I, Algebra II, Statistics, and Geometry required</i>	4 credits
Science <i>Biology, Chemistry, and Physics required</i>	3 credits
STEM <i>Pre-Calc., Calc., Science Electives, Digital Arts, Digital Media, CAD, Desktop Publishing, Accounting</i>	1 credit
Physical Education	1 credit
Health	1 credit
Introduction to Information Technology	.5
Personal Finance	.5
Career and Technical Education <i>Foods, Culinary Arts, Child Development, Manufacturing, Construction, CAD, Industrial Arts, Small Engine Repair, Automotive, Certified Nurse's Aide, Digital Arts, Media, and Desktop Publishing</i>	1 credit
World Language	1 credit
Portfolio/Capstone Project	1.5 credit
Electives	1 credit
Total	25

Note: School-to-Career credit may account for no more than 1 of the total credits required for graduation.

SEQUENTIAL PROGRAMS OF STUDY

While all students must meet the requirements of our core program, it is necessary for each student to select their elective program carefully and in accordance with long-range educational and vocational goals. In addition to yearly course selection, students should develop a sequential four-year program of studies, which is designed to meet the requirements of their post high school plans.

The range of options at the high school level varies considerably, and covers a wide spectrum of study for the purpose of immediate college entrance and other post-secondary training programs. Because of the range of options available, students must begin planning early and select their program in a manner consistent with their post high school plans.

COLLEGE PREPARATION

Students planning to continue their education at the college or university level following high school should seriously consider the inclusion of the following courses in a four-year sequential program:

ENGLISH	Minimum	4 credits
MATH	Minimum	4 credits
SCIENCE	Minimum	3 credits
STEM	Minimum	1 credit
SOCIAL STUDIES	Minimum	3 credits
WORLD LANGUAGE	Minimum	2 credits

CURRICULUM COURSE LEVELS

Our curriculum challenges students at three levels. All students are strongly encouraged to work hard to meet the requirements to access at least one Level 2 course by their junior year.

Level 1:	AP (Advanced Placement), ECE (Early College Experience) Select Post University Courses, Select Science Cohort Classes, and NWCC courses.
Level 2:	Honors
Level 3:	College Preparatory

Note: Early College Experience (ECE): Early College Experience (ECE) is an opportunity for students to take UConn courses while still at Thomaston High School. Every UConn ECE course is equivalent to the same course at the University of Connecticut. Courses are taught at Thomaston High School by high school instructors who have been certified as adjunct faculty members by the University of Connecticut. Our students benefit by taking college courses in a familiar setting with an instructor they know. UConn credits are accepted at 87% of colleges and universities across the country. UConn ECE is an accredited member of The National Alliance of Concurrent Enrollment Partnerships (NACEP).

ECE and AP: College Courses: Program fees vary from year to year.

Level 2:	Honors courses offer a rigorous and challenging curriculum for students with high potential who are motivated to work in great depth and breadth. The honors courses are explicitly intended to lead to Level 1 courses as junior and/or seniors.
Level 3:	This is a rigorous standard college preparatory curriculum for the college-bound student and for students pursuing post-secondary training in a vocational field.

COURSE SELECTION GUIDELINES

Students wishing to select an honors course (Level 2), regardless of department, must show strong potential by their previous year's grades and/or standardized test scores. If the total number of students in an honors level course exceeds maximum enrollment, students with lower grade point averages and test scores will be removed from the course first.

Students wishing to select a college course (Level 1), regardless of department, must secure a teacher recommendation.

Teacher recommendations are considered for entry into Level 1 courses and will be based upon each student's quality of work and consistency of effort. Consideration will also be given to the scores each student has achieved on standardized assessments (SBAC, PSAT, SAT).

GRADING SYSTEM

90-100 Exemplary

80-89 Proficient

70-79 Developing

65-69 Basic (No Credit Earned)

50-64 Below Basic (No Credit Earned)

A minimum of a 70 is required as a passing grade to earn course credit. We implement a numerical grading system with 100 as the highest possible grade, 50 as the lowest possible grade, and 70 as the lowest passing grade.

CLASS RANK/GPA

Class Rank is based on students' cumulative grade point average (GPA). GPA is computed using a weighted formula that assigns point values to grades based upon course level difficulty.

Colleges ask for GPA and class rank at the end of junior year. **Final and official class rank is determined after seven semesters (grade 12 mid-year report).**

Weighting Scale

Level 3 courses (College Preparatory) are given a weight of 1.0, Level 2 courses (Honors) are given a weight of 1.25, and Level 1 courses (Advanced Placement/UConn ECE) are given a weight of 1.50.

HONOR ROLL (Grades 7-12) (Measured Quarterly)

Academic Eligibility Criteria

High Honors:

- 93 average or higher (any quarter grades below 90 disqualifies candidate for the High Honor Roll).

Honors:

- 87 average or higher (any quarter grades below 80 in any class disqualifies)

Behavioral Eligibility Criteria

Attendance:

High Honors:

- No more than two absences (serious medical conditions will be considered by admin)
- One unexcused tardy

Honors:

- No more than four absences (serious medical conditions will be considered by admin)
- Maximum of two unexcused tardies

Discipline:

High Honors:

- No office referrals
- No suspensions/expulsions

Honors:

- Maximum of two office referrals

Work Ethic:

High Honors:

- No appearances on the Academic Probation list

Honors:

- Maximum of one occasion on the Academic Probation list and for no more than three days.

Please note:

According to Connecticut State Department of Education, chronic absenteeism is defined as missing 10% or greater of the total number of days enrolled during the school year for any reason. It includes more than one-half of the school day. For example, a student who has been enrolled for the first 30 school days at the beginning of the school year and has been absent three of those days is chronically absent (www.csde.org). Truancy is defined as missing four unexcused absences in one month or 10 unexcused absences in a school year. These are the guidelines to which the attendance portion of the Honor Roll came from.

Thomaston High School believes in the whole academic being; students who are well rounded and excel in all areas, both academic and civic.

Honor Roll Appeal Process

If a student has not achieved Honor Roll according to the above stipulations, and you believe there was an error, please contact administration in writing. They will be happy to look at each case individually.

Add/Drop Information

Should a student wish to add or drop a course, they must recognize and adhere to the following withdrawal guidelines:

1. Students have ten (10) school days at the beginning of semester one to add or withdraw from a full-year or first semester course. Students will have ten (10) school days at the beginning of semester two to add to or withdraw from a semester two course. Students who withdraw after this timeframe will have **Withdrawal/Fail** marked on their official transcript.
2. Students who withdraw from a course at any point must complete the **Withdrawal Request Form** housed in the School Counseling Office or online at ths.thomastonschools.org.
3. Students who move levels in a course, such as moving from honors to college prep, are not withdrawing and will keep their marking period grades from before the transfer. These grades will be averaged into the student's final year grade.

Transcripts

Student transcripts are an official cumulative record of all courses and credits earned during a student's high school tenure. Transcripts are updated yearly as courses become complete. Transcript information includes the following information:

1. Completed Courses
2. Current Courses
3. Credits Earned
4. Weighted GPA
5. Unweighted GPA
6. Class Rank

Transcripts and Transcript requests will be handled by the School Counseling Department. Students wishing to acquire **official** transcripts should contact the department secretary at least twenty-four hours in advance. **Unofficial** transcripts can be emailed, printed, or sent, as well, with appropriate prior notice.

Transcript Revisions

Transcript revisions are necessary at times, but are very limited in scope and nature. Revisions are only made for errors. These errors are limited to manually entered online courses or summer credit recovery courses, including final grade and credits earned. Revisions and corrections found by the counseling office staff will be brought to the attention of the building principal who will oversee the final correction process.

SCHEDULING PROCEDURE

The Course Selection Guide as presented is designed to give all students at Thomaston High School the greatest possible individual educational opportunity. However, the size of the school makes it necessary to acknowledge the following limitations in the scheduling process.

1. In the event of scheduling conflict or difficulty, preference will be given to the grade in which the particular course in question is normally offered.
2. Students will be asked to provide alternative choices in some areas; these alternatives will be scheduled if first choice courses cannot be satisfied.
3. Courses with low enrollment are subject to elimination.

SCHOOL COUNSELING SERVICES

All students will meet with their counselor to assist them in making decisions concerning their educational program. Students and parents are urged to make use of the college and school catalogues located in the School Counseling Office to assist them with the investigation of educational opportunities upon graduation from high school. Students are also urged to use the many books, pamphlets, and resource materials located in the occupational information library in the School Counseling Office to assist them in making wise vocational decisions. Naviance is also an incredible resource in searching for colleges.

The primary purpose of this department is to provide those services that may offer an improvement in a student's educational experience by assisting with educational, vocational, personal, and social decision making. School Counseling makes available services that help students to identify interests, understand their strengths and weaknesses, and make realistic educational plans.

Appointments with your School Counselor may be arranged by students before, during and after school. Email the School Counseling Office secretary to schedule your appointment.

SCHOOL-TO-CAREER PROGRAM

School-to-Career programs are designed to give Thomaston High School students the opportunity to relate their course of study to the world of work. School-to-Career programs link student, school and the workplace through school-based learning, work-based learning, service learning, and connecting activities. Some of these programs include: career exploration, job shadowing, workshops, field trips, career fairs, work programs and internships. However, these services are not offered as an entitlement. **No more than .5 credit in any School-to-Career program may be used to satisfy graduation requirements. However, students are encouraged to complete School-to-Career activities yearly to bolster their transcripts.**

HIGH SCHOOL PARTNERSHIP PROGRAMS

NORTHWESTERN COMMUNITY COLLEGE

Eligible students may take one or two courses in the fall and/or spring semester and earn up to six (6) college credits per semester. At NCCC, all entry-level courses are available to high school students on a space available basis. Northwestern Connecticut Community College (NCCC) is fully accredited and credits earned may be transferred to other colleges and universities. **There is no tuition or fee charge** but participating students are responsible for books, supplies and transportation.

NAUGATUCK VALLEY COMMUNITY COLLEGE

The High School Partnership Program (HSP) with Naugatuck Valley Community College is available to juniors and seniors who meet the following criteria:

1. A minimum of 2.7 overall grade point average
2. A college-level score in math and/or English on the Accuplacer placement test
3. Recommendation from a guidance counselor and approval of the principal

Students may enroll on a space-available basis in a maximum of one college course for credit per semester. Each high school will have a cap of four (4) students. NVCC pays the cost of tuition for credit courses offered in the fall and spring semesters only. Students are responsible for the cost of books, supplies, and transportation.

UNIVERSITY OF CONNECTICUT

UConn Early College Experience (ECE) provides academically motivated students with the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head-start on a college degree and other postsecondary opportunities. UConn ECE instructors are high school teachers certified as adjunct professors by the University. UConn ECE faculty foster independent learning, creativity and critical thinking - all important for success in college and careers. Thomaston High School offers UConn ECE courses in English, US History and Physics. To support rigorous learning, University of Connecticut academic resources, including library and online classroom access, are available to all UConn ECE students.

POST UNIVERSITY

Take your first step toward an exciting paralegal career with a legal studies certificate through our concurrent and dual enrollment program between Thomaston High School and Post University. Our program provides you with a comprehensive understanding of various specialized areas of the law and prepares you to work under the direction of attorneys in a variety of law firms, corporate legal departments, the court system, government agencies, nonprofits, and private industries. Certificate holders may get right to work or go on to complete their associate's degree or even pursue their bachelor's and master's degrees to further advance in their careers. Some courses will be held at Thomaston High School, while others will be available online or at Post University. Students will need to provide their own transportation to Post University, and may be required to complete summer courses to fulfill the certificate requirements.

INTERVENTION

LIFE SKILLS PROGRAM

Course # 9505

This program consists of a coordinated set of learning activities that will prepare the student for life after high school. The student and parents or guardians will work with special education and regular education teachers, related service providers, guidance counselors, social workers, paraprofessionals, and post-secondary personnel to help the student move toward independent living.

The curriculum is taught at three levels based on the student's individual needs. Upon completion of the course, the student will possess a portfolio in which the student's strengths are highlighted. Both formal and informal situational and self-assessments of academic, vocational and life skills abilities will be performed to assist in a seamless transition to post-graduation services.

Program Components

- *Communication and social skills*
- *Self-advocacy*
- *Independent living skills*
- *Community-based learning and supported employment*
- *Assistance with preparation and planning for post-secondary education*
- *Recreational opportunities*
- *Agency Collaboration*

1 Credit

No Prerequisite

Level 3

Grade 9-12

COURSE DESCRIPTIONS

GRADE SEVEN AND EIGHT

Grades seven and eight are housed in a separate hallway at Thomaston High School. We make every effort to prevent interaction between high school and middle school students that is not deliberately planned. With that said, some common areas exist such as the Learning Commons and classrooms where electives courses take place.

All middle school students take ELA A and B, Science, Social Studies, and Math A and B (Advanced Math in grade 7 and Algebra in grade 8 are also available—see course descriptions). In addition to the core curricular courses, a variety of electives are offered to middle school students. Math and Reading intervention courses are available to our middle school students, as well. Teachers in each grade level team meet to discuss and coordinate curriculum, student activities, and to monitor achievement.

ELA (7) (A and B)

Course # 7021/7022

All seventh grade students take ELA A (Written Expression) and B (Literary Analysis). The primary aim of the seventh grade ELA program is the development of process writing skills while also honing in on listening, speaking, and presentation skills. The study of grammar, vocabulary, and punctuation are critical elements embodied within the course as well. The main area of study includes four writing units: Narrative, Argumentative, Informational Writing with a research component, and Creative Writing.

The program also introduces the elements of literature and assists students in responding to literature. The novels and short stories focus on cultural diversity, prejudice, and finding one's place in society. There is a strong focus on responding to open ended questions, literary concepts, thematic concepts along with helping students to form a general understanding, develop an interpretation, make connections to the text, and to examine content and structure. Outside reading is a requirement in this course, which assists students in becoming lifelong readers and critical thinkers.

ELA (8) (A and B)**Course # 8021/8022**

All eighth grade students take ELA A (Written Expression) and B (Literary Analysis). The eighth grade English program includes reading, listening, thinking and speaking with an emphasis on process writing. The study of mechanics, usage, grammar, and vocabulary development contributes to the ultimate goal of language proficiency. There will be an emphasis on narrative structure, informational and argumentative writing (with a coinciding research element), and the utilization of poetic forms.

The grade eight reading program assists students in becoming lifelong readers and critical thinkers. The focus of the literary lessons concentrates on author technique, thematic concepts, historical and cultural contexts, as well as helping students to critique and analyze novels, short stories and poetry. The program will include whole-class instruction coupled with student-centered literature circles.

MATH (7) (A and B)**Course # 7305**

In Grade seven math, instructional time will focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

MATH (8) (A and B)**Course # 8305**

In Grade 8 math, students solve real-world problems through the application of algebraic and geometric concepts. Students represent a wide variety of real world contexts through the use of real numbers and variables in mathematical expression, equations, and inequalities. Students construct arguments using verbal and written explanations accompanied by expressions, equations, inequalities, models, and graphs, tables and other data displays. Students model problem situations symbolically, graphically, tabularly, and contextually. Students consider available tools when solving a mathematical problem and decide when certain tools might be helpful. Students continue to refine their mathematical communication skills by using clear and precise language in their discussions with other and in their own reasoning. Students routinely seek patterns or structures to model and solve problems. Students use repeated reasoning to understand algorithms and make generalization about patterns.

ADVANCED MATH (7)**Course #7330**

Students who have excelled in math in previous grades will have the opportunity to take Advanced Math in grade seven, which will move at a faster pace and prepare students for Algebra in grade eight. In order to qualify for Advanced Math, students must achieve a score of “4” on their grade six math SBAC test, or a high-level “3” with teacher recommendation.

ALGEBRA (8)**Course # 8300**

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The concepts taught deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The Texas Instruments **TI 83/84 series calculator is recommended**. Grade eight students receive high school credit for this course.

1 Credit

Prerequisite: Score of advanced on SBAC and/or teacher recommendation

SCIENCE (7)**Course # 7400**

The seventh grade science curriculum follows the Next Generation Science Standards. Content covered includes: different forms of energy and energy transformation, the geological history of the Earth and the processes that have changed the Earth's surface, and the organization of life from cells to the human organism as well as the structures, functions, and interactions of six of the organ systems. Emphasis is on student led investigation and discovery through phenomenon and project based strategies including engineering challenges, experimentation, and research.

SCIENCE (8)**Course # 8400**

The eighth grade program offers students a balanced background in life science, physical science and Earth science, in alignment with the Next Generation Science Standards. The life science study will include heredity and evolution. Earth and space science will focus our solar system and the Earth's movements in space. The physical science component will include the study of forces, motion, electricity and magnetism. Emphasis is placed upon hands-on activities that allow students to inquire, discover, and problem solve using science and engineering practices.

WORLD GEOGRAPHY (7)**Course # 7200**

The seventh grade course is the study of world geography. Map essentials and other geographic tools are learned and used by students to study the topography, history and culture of countries as well as the current issues of concern around the world. The Six Elements of Geography: The World in Spatial Terms, Places and Regions, Physical Systems, Human Systems, Environment and Society, and Uses of Geography are applied to each country that is studied.

US HISTORY-THE 13 COLONIES THROUGH THE CIVIL WAR (8)**Course # 8200**

Eighth grade social studies curriculum presents the scope of U.S. History from exploration to pre-civil war, specifically focusing on geography, citizenship and research. In addition, students will work with maps, complete projects, write essays, learn vocabulary and discuss current events so as to build a foundation for future U.S History studies.

GRADE SEVEN AND EIGHT ELECTIVES

Middle school students take four elective courses including physical education each school year. Students taking Band and Chorus (full year electives) are not obligated to take PE if it does not fit their schedule. The elective courses are designed to let students explore various disciplines and get a sense of those areas they would like to pursue. Students may choose electives from the following courses, and cannot choose an elective more than once:

ART (7/8)

Course # 7500

Middle schools students may elect to take visual arts for one semester. The art room is a unique learning environment where students are inspired to realize their potential, as individuals, as students, as artists, and as members of our community. Each student will build upon their elementary art skills through a variety of methods and materials. This one-semester course is designed to meet the developmental needs of future artists and prepare them for the high school art program. *(This may be taken in either 7th or 8th grade but NOT both).*

BAND (7/8) (Full Year)

Course # 8600

An ensemble class for students in grades seven and eight devoted to further developing the requisite skills and knowledge essential to being a high functioning member of a performing ensemble. No prior experience is necessary, however, it is preferable, and students will be responsible for obtaining their own instrument if there are not any available from the school. Repertoire is drawn from a variety of styles in order to give students as varied a musical experience as their abilities allow. Students enrolled in the Middle School Band (and who are prepared to do so) will be expected to join with members of the High School Band for all public performances.

CHORUS (7/8) (Full Year)

Course # 8500

Chorus is a continuation of the vocal program from Center School in which students learn vocal techniques and music appropriate for their age level. Chorus has a general focus on vocal music, including literature from the folk, popular, and Broadway genres, and there is an emphasis on singing in two, three, or four parts. This is a full year course and required performances include a winter and spring concert, as well as the Thomaston High School graduation. Other performances such as festivals, tours, exchange programs, and trips may also be included in the yearly program. New students to the program will be accepted and placed through an audition process to determine vocal level.

DIGITAL AGE EXPERIENCE

Course #8740

Digital Age Experience is an introductory course to Digital Arts. Digital Age Experience students will learn the basic tools of a variety of programs and software applications. Students will learn and create Scratch projects, podcasts, stop motion animation, Garageband jingles, short videos, basic photography skills, among many others and create portfolios showcasing their exemplary projects. Digital Age Experience is a project-based class. *(This course may be taken in 7th or 8th grade, but only once).*

EXERCISE SCIENCE (7/8)**Course # 6756**

This is an introduction to fitness and movement concepts through participation in various activities including resistance training, dance, aerobics, and yoga. This course provides the opportunity to study the scientific principles of movement and exercise, benefits of engaging in physical activity, injury prevention strategies, and developing good nutritional habits towards living a long, safe, and healthful life. *(This may be taken in either 7th or 8th grade but NOT both).*

FAMILY AND CONSUMER SCIENCE (7/8)**Course # 8530**

Students in grade seven and eight may elect to take Family and Consumer Science for one semester. This is an exploratory course that will focus on food and nutrition, design, and interpersonal development. Students will be introduced to a variety of equipment through numerous projects. Participation in this course will provide students with the opportunity to work in the kitchen/lab and develop life skills such as sewing, laundry care, and gain babysitter/home alone safety skills. *(This may be taken in either 7th or 8th grade but NOT both).*

GUIDED STUDY (7/8)**Course #0090**

Guided Study offers middle school students a chance to work in a quiet setting while focusing on projects, homework, classwork, and test/quiz makeups. A middle school teacher will be in the room to help students complete assignments and answer questions.

INFORMATION LITERACY (7/8)**Course #8710**

This half year course is designed to provide 7th and 8th grade students an overview of library information systems, research practices, and design thinking. Students will take part in project based learning activities that will enhance their computer literacy, typing, coding, collaboration, communication, and critical thinking skills. Further, students will have a firm understanding of the resources available to them at Thomaston High School as well as within the town of Thomaston and beyond. *(This may be taken in either 7th or 8th grade but NOT both).*

PHYSICAL EDUCATION (7/8)**Course # 7800/8800**

Physical education classes are designed to promote total fitness of students through selected physical activities. Students are given opportunities to develop a sense of fair play, positive values, and the perception of self and others. Various sports and fitness activities are covered throughout the semester in order for students to learn skills and concepts that will enable successful participation now and later in life *(Physical Education must be taken in both 7th and 8th grade unless band and chorus are taken together).*

Note: Eighth grade students are required to take the Connecticut Physical Fitness Assessment.

STEM I**Course # 7515**

This first semester survey course of engineering exposes students to major concepts they will encounter in college engineering courses. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges *(8th Grade Only).*

STEM II**Course # 8515**

STEM II is a second semester continued middle school-level course of engineering. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. POE gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a team approach, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. Students will employ engineering and scientific concepts in the solution of engineering design problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. The course of study includes the following: Mechanisms, Energy Sources, Energy Applications, Statics, Material Properties, Material Testing, and Kinematics (*8th Grade Only*)

Note: Students taking Algebra are highly encouraged to take the STEM electives.

SPANISH EXPLORATION (7/8)**Course # 7711/8808**

The Middle School Spanish Rotation provides an opportunity for students to be introduced to the Spanish language and cultures. Students will study basic vocabulary, learn about the different customs of Spanish speaking countries, and develop an understanding and appreciation of other world languages and cultures. (*This **must** be taken in either 7th or 8th grade but NOT both*).

INTRODUCTION TO INDUSTRIAL ARTS (7/8)**Course # 7510**

This entry-level course is designed to teach the basic concepts of Tech Ed through a woodworking format. Under the guidance of the Tech Ed instructor all students will plan, draw and build products in accordance with the woodworking industry. Teamwork, Shop Safety, Mathematics and proper use of tools and equipment will be the focus of this program. Each student will work to the full potential of his or her capabilities. Craftsmanship is emphasized. All projects assigned will be at the level of difficulty appropriate to the student. Once completed, the projects will be the personal property of the student. All wood and hardware will be provided by the Tech Ed Department. (*This may be taken in either 7th or 8th grade but NOT both*).

GRADES NINE THROUGH TWELVE CORE AND ELECTIVE COURSES

ART

ART I

Course # 6216

A beginning level art course, Art I has students explore and develop skills based on the elements of art and principles of design. The academics of art are explored through a variety of practical experiences: basic drawing, painting, design, graphics and collage. The class incorporates creative expression in both 2-D and 3-D techniques. Students are also exposed to the process of critiquing art as well as art history as it relates to various projects. This semester course is a prerequisite for Art 2.

.5 Credit
Level 3

No Prerequisite
Grades: 9 - 12

ART II

Course # 6226

In addition to the skills mastered in Art I, the Art II student will be encouraged to experiment and become more independent in order to develop a personal style. Students will be evaluated on works produced, individual progress, and work habits. The process of self-reflection will be greater developed to include peer critique.

.5 Credit
Level 3

Prerequisite: Art I
Grades: 9 - 12

ART III

Course # 6230

Art III is a full year course. This course is designed to develop an understanding and study of artists and cultural styles through a broad range of art experiences and enriching personal encounters with a more in depth understanding of techniques. Essential skill development and practice in a variety of media along with experiences in criticism, history, and aesthetics, provide multiple avenues of learning.

1 Credit
Level 2

Prerequisite: Art I & Art II
Grades: 10 - 12

ART IV

Course # 6245

This full year course is an advanced level art course for students who are interested in continuing to develop their art skills and self-expression in an effort to expand their portfolios. Students enrolled in this course will use gained knowledge to explore advanced concepts to develop expertise in techniques and materials through a structured developmental process. Students will be encouraged to submit portfolios, for review, with colleges of their choice.

1 Credit
Level 2

Prerequisite: Art I, Art II, Art III
Grades: 11-12

BUSINESS/TECHNOLOGY

COMPUTER APPLICATIONS

Course # 6112

Introduction to Information Technology will give students the opportunity to learn how to use the Microsoft Office Suite effectively. Students will be introduced to basic techniques in Microsoft Word, Excel, Access, Publisher and PowerPoint. Proper communication skills will also be addressed in this course. They will also be introduced to a sampling of business courses offered. **This course is required for graduation and is recommended to be taken freshman year.**

.5 Credit

No Prerequisite

Level 3

Grades: 9-12

DIGITAL ARTS I

Course # 6188

Students in Digital Arts will develop essential technology skills by utilizing a variety of computer applications and software. Students will explore digital photography, basic animation, blogs, creating Webpages and portfolio development. A variety of software, programs and applications such as Photoshop, iMovie, Garageband, Lightroom, Pencil, Gimp among others, will be utilized. Digital Arts I is a project-based course. A final portfolio of work will be required.

.5 Credit

No Prerequisite

Level 3

Grades: 9-12

DIGITAL ARTS II

Course # 6189

Students in Digital Arts II will develop advanced technology skills illustrating their expertise with complex techniques in software applications such as Photoshop, Lightroom, Illustrator, along with a variety of advanced applications. Digital Arts II is a project-based class. A final portfolio of work will be required.

.5 Credit

Prerequisite Digital Arts I

Level 3

Grades: 9-12

DIGITAL MEDIA I & II

Course # 6191(I)/# 6192 (II)

Digital Media examines video editing, digital recording, storyboards, lighting techniques, film genres, computer animation, design publishing and various software programs such as Final Cut Pro, Adobe Creative Suites, and iMovie. Digital Media is a project-based class and requires basic computer knowledge. Students will develop an understanding of the following technologies: video production, digital imaging, film and computer generated visual effects as well as an understanding of visual and digital media literacy. Additionally, students will be responsible for producing morning announcements.

.5 Credit

Prerequisite: Digital Arts I & II

Level 3

Grades: 10-12

DIGITAL MEDIA III**Course # 6194**

The Advanced Digital Media course is a challenging video production course with the prerequisite of Digital Media I, II and Digital Arts I, and II. Students will utilize advanced editing software such as ATEM broadcast software, Blackmagic Design, Final Cut Pro and a variety of sophisticated digital photography and animation software. Students will produce content for the WTHS studios and will have the opportunity for real world filming experience with hands on projects involving industry professionals in the fields of television, video and film production.

1 Credit
Level 2

Prerequisite: Digital Arts I & II, Digital Media I & II
Grades: 11-12

ACCOUNTING I**Course # 6110**

This course is designed to introduce the accounting cycle for sole proprietorships, as well as partnerships and corporate business entities. Students will prepare and interpret accounting journals, ledgers, and basic financial statements. Various careers in accounting will also be discussed.

1 Credit
Level 3

No Prerequisite
Grades: 10-12

ACCOUNTING II**Course # 6125**

Accounting II is designed for those students who are considering a career in accounting as well as those students planning on studying business administration in college. This is an advanced course that will focus on the application of generally accepted accounting principles used in business transactions. Accounting for merchandising firms, as well as the preparation, analysis and interpretation of financial statements are going to be covered. Computer applications (Excel and QuickBooks) will be utilized.

1 Credit
Level 2

Prerequisite: Accounting I
Grades: 11-12

ECONOMICS (2)(3)**Course# 6131**

This course will give the students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. The course will study the law of supply and demand, forms of business, labor unions, government finances and influence on the economy, money and prices, inflation and deflation cycles. The course relates history and politics to the study of economics.

.5 Credit
Level 2 and 3

Prerequisite: Computer Applications and Personal Finance
Grades 11-12

PRINCIPALS OF MARKETING (2)(3)**Course #6132**

This course focuses on exploring marketing practices, math fundamentals, business applications, and helping students explore various career paths in marketing and business. Students will receive first-hand, on the job training, through running a school store. Different marketing techniques such as promotion, buying, selling, and basic management skills will be examined.

.5 Credit
Level 2 and 3

Prerequisite: Computer Applications
Grades 10, 11, 12

SPORTS AND ENTERTAINMENT MARKETING (2)(3)**Course #6133**

The field of sports and entertainment marketing is rapidly growing. Many colleges, universities, and high schools offer specialized majors and concentrations in these fields. In this course, students will explore the world of sports and entertainment from the perspective of marketing. The functions of marketing and management that are presented are intended to be a guide for students taking their first steps into the exciting world of sports and entertainment. How do these franchises grab hold of the consumer and incorporate themselves in our vernacular? How do Nike, UnderArmour, and Gatorade acquire consumers' loyalty? Or how do sports franchises such as the Boston Red Sox, Dallas Cowboys or Manchester United create and reach a worldwide fan base? This course will help explain.

.5 Credit
Level 2 and 3

Prerequisite: Comp. App. And Prin. Of Marketing
Grades

PERSONAL FINANCE**Course # 6155**

This course is designed to introduce students to the fundamentals of personal money management skills and the financial planning process. Students will learn how to keep and balance a checkbook, develop a simple personal financial plan, create a personal budget, investigate savings and investment options, and develop strategies for effective debt and credit management, and select insurance. In addition to financial skills, students will develop soft- skills (interviewing skills), an underlying focus throughout the course. **This course is a graduation requirement for all students.**

.5 Credit
Level 3

No Prerequisite
Grades: 9-12

DESKTOP PUBLISHING I**Course # 6170**

Using advanced word processing skills, emphasis in this course is placed on realistic tasks required in the business world. Desktop publishing skills are used in this course to create a variety of layouts, learning proper design techniques and graphic designs. Students are going to learn and use computer software including Adobe In Design and PhotoShop to create and produce camera-ready copy for final publication. This course designs and creates the yearbook production, The Owl.

.5 Credit
Level 3

Prerequisite: Intro to Information Technology
Grades 11-12

DESKTOP PUBLISHING II**Course # 6175**

Desktop Publishing II is designed for those students who are considering a career in graphic arts as well as those students planning on studying business administration in college. This is an advanced course that will focus on the application of layouts, creating proper design techniques and graphic designs. Students will use computer software including Adobe In Design and PhotoShop to create and produce camera-ready copy for final publication. This course designs and creates the yearbook production, The Owl.

.5 Credit
Level 3

Prerequisite: Desk Top Publishing I
Grades: 12

AP COMPUTER SCIENCE PRINCIPLES**Course # 6100**

This course provides an introduction to basic principles of computer science (CS), including programming in App Inventor, a graphical programming language for Android mobile devices. This is a projects-based course. Students will learn CS principles by building socially useful mobile apps and reflecting on the impacts of their work. This course involves a strong writing component. Students will maintain a portfolio of their work, which will include several performance tasks in the areas of programming, data analysis, and the impact of computing technology.

1 Credit
Level 1

No Prerequisite
Grade: 10-12

Course Fee Required

ENGLISH

ENGLISH 9 (2)

Course # 1100

The major aim of this course is to improve the student's competency in the areas of grammar, reading, writing, speaking, and listening. A minimum of five important works from the list below will be studied in depth. Students will do individual projects and reports. Grammar, vocabulary and spelling skills will be strengthened.

Readings:

<i>The Odyssey (unabridged)</i>	<i>To Kill a Mockingbird</i>
<i>Romeo and Juliet</i>	<i>Animal Farm</i>
<i>Of Mice and Men</i>	

Optional:

Fahrenheit 451

1 Credit
Level 2

No Prerequisite
Grade: 9

ENGLISH 9 (3)

Course # 1110

The purpose of this course is to further develop the student's ability to write and to speak effectively and to broaden his/her appreciation of literature through the reading and discussion of novels, short stories, poetry and drama. At least four major works from the list below will be studied. Grammar, vocabulary and spelling skills will be strengthened.

Readings:

<i>The Odyssey (abridged)</i>	<i>Animal Farm</i>
<i>Romeo and Juliet</i>	<i>To Kill a Mockingbird</i>
<i>Whirligig</i>	<i>Of Mice and Men</i>

1 Credit
Level 3

No Prerequisite
Grade: 9

ENGLISH 10 (2)**Course # 1200**

This course is designed to challenge and improve the student's skill in critical reading and writing skills. At least six literary works from the list below will be read, discussed, and analyzed with an emphasis on author's style. Response essays will be analytic in nature. Individual projects and research will be required. Grammar, vocabulary, and spelling skills will be strengthened through the writing process.

Readings:*Oedipus Rex**Julius Caesar**Antigone**A Midsummer Night's Dream**The Old Man and the Sea**Lord of the Flies**The Catcher in the Rye**A Separate Peace**A Raisin in the Sun*

1 Credit

No Prerequisite

Level 2

Grade: 10

ENGLISH 10 (3)**Course # 1210**

This course will develop and improve the student's ability to read critically and to communicate clearly in writing and speaking. At least five literary works from the list below will be read, discussed, and analyzed. Response essays are required. Individual projects and research will be required. Grammar, vocabulary, and spelling skills will be taught and strengthened through lessons and the writing process.

Readings:*Oedipus Rex**A Midsummer Night's Dream**Antigone**Julius Caesar**Lord of the Flies**A Raisin in the Sun**Catcher in the Rye**The Old Man and the Sea**A Separate Peace*

1 Credit

No Prerequisite

Level 3

Grade: 10

ENGLISH 11 (2)**Course # 1300**

This course is designed to offer students a solid background in American Literature. Works will be covered in appropriate context so students will leave the course with an understanding of the influences of literature on culture. Course readings will include novels, plays, short stories, and non-fiction works from the course anthology. Students will be expected to read independently as a supplement to works read in class. There will be an increased emphasis on written expression, with a particular focus on preparing students for the amount and variety of writing they will be required to do in college. As it is an honors level course, the rigor of the course will be evident in the work load as well as the depth of class discussion.

Works May Include:

The Crucible
The Scarlet Letter
The Adventures of Huckleberry Finn
Uncle Tom's Cabin
My Antonia
Ethan Frome
The Great Gatsby
The Jungle

Additional Author Studies May Include:

Anne Bradstreet
Benjamin Franklin
Edgar Allen Poe
Washington Irving
Henry David Thoreau
Ralph Waldo Emerson
Jack Kerouac
Jon Krakauer

1 Credit

No Prerequisite

Level 2

Grade: 11

ENGLISH 11 (3)**Course # 1310**

This course is designed to offer students a solid background in American Literature. Works will be covered in appropriate context so students will leave the course with an understanding of the influences of literature on culture. Course readings will include novels, plays, short stories, and non-fiction works from the course anthology. There will be an increased emphasis on written expression, with a particular focus on preparing students for the amount and variety of writing they will be required to do in college.

Works May Include:

The Crucible
The Adventures of Huckleberry Finn
My Antonia
Ethan Frome
The Great Gatsby
The Natural
The Jungle

Additional Author Studies May Include:

Anne Bradstreet
Benjamin Franklin
Edgar Allen Poe
Washington Irving
Henry David Thoreau
Ralph Waldo Emerson
Jon Krakauer

1 Credit

No Prerequisite

Level 2

Grade: 11

SCSU ENG217: INTRODUCTION TO LITERATURE (1)**Course # 1505**

Introduction to Literature is designed to challenge students in the reading, interpretation, and analysis of major works of fiction, poetry, and drama. This is a college-level course that allows students the opportunity to earn college credit upon successful completion of the course. Consequently, the demands and expectations of this course exceed those of other high school English courses. Course readings may include the following:

Hamlet
Wuthering Heights
Jane Eyre
The Story of an Hour
The Yellow Wallpaper
The Bell Jar

The Picture of Dorian Gray
Goblin Market
Wide Sargasso Sea
The Awakening
Their Eyes Were Watching God
Girl, Interrupted

1 Credit
Level 1

Prerequisite: Teacher Recommendation
Grade: 12 Course Fee Required

UConn ENG1007: SEMINAR AND STUDIO IN WRITING AND MULTIMODAL COMPOSITION (1)**Course #1007**

UConn Seminar and Studio in Writing and Multimodal Composition is a college composition course designed to challenge students in the reading, interpretation, and analysis of various materials through multiple forms of literacy, including rhetorical, digital, and information literacies necessary for twenty-first-century contexts. The focus of the course is the development of creatively intellectual inquiries through sustained engagement with texts, ideas, and problems. The emphasis of the course will be on the transfer of writing and rhetorical skills to academic and daily life. In the course, students design a digital portfolio that curates creations and skills-based micro-credentials they earn in coursework. This is an ECE (Early College Experience) course that allows students the opportunity to earn four (4) college credits upon successful completion. Consequently, the demands and expectations of this course exceed those of other high school English courses.

1 Credit
Level 1

Prerequisite: Teacher Recommendation
Grade: 11 Course Fee Required

ENGLISH 12 (2)**Course # 1402**

This course is designed to offer students a solid background in British Literature. Works will be covered in appropriate context so students will leave the course with an understanding of the influences of literature on culture. There will be an increased emphasis on written expression, with a particular focus on preparing students for the amount and variety of writing they will be required to complete in college. As it is an honors level course, the rigor of the course will be evident in the workload as well as the depth of class discussion. In addition to the textbook, course readings may include:

Shakespeare: *Macbeth, Othello, or Hamlet*

Poetry:*William Blake**Emily Bronte**Alfred, Lord Tennyson**Robert Browning**Gray Elizabeth Barrett Browning**John Keats**Robert Burns*Works May Include:*Wuthering Heights**Jane Eyre**Wide Sargasso Sea**Picture of Dorian**Heart of Darkness**1984*

1 Credit

No Prerequisite

Level 2

Grade: 12

ENGLISH 12 (3)**Course # 1410**

This course is designed to offer students a solid background in British Literature. Works will be covered in appropriate context so students will leave the course with an understanding of the influences of literature on culture. There will be an increased emphasis on written expression, with a particular focus on preparing students for the amount and variety of writing they will be required to complete in college. In addition to the textbook, course readings may include:

*Hamlet**Othello**Wuthering Heights**Jane Eyre**Wide Sargasso Sea**Picture of Dorian Gray**Heart of Darkness*Poetry:*John Keats**William Blake**Emily Bronte**Alfred, Lord Tennyson**Robert Browning**Elizabeth Barrett Browning*

1 Credit

No Prerequisite

Level 3

Grade: 12

ENGLISH ELECTIVES

SCSU COM 101 PUBLIC SPEAKING (1)

Course# 1419

This course is designed to help you develop the necessary skills that will enable you to present effectively and with confidence in public. While many public speaking courses tend to focus on the process of writing, memorizing, and delivering scripted speeches, this course will instead teach you how to present your ideas to your audience in organized and engaging ways without scripts or notes. In other words, this course is designed to help you become a more effective communicator so that you can present effectively to others whether you have had months or mere moments to prepare.

1 Credit

No Prerequisite

Level 1

Grades: 11-12

Course Fee Required

THE JOURNEY OF THE SELF (2)

Course # 1425

This course will focus on literature dealing thematically with the individual's quest for self-identity and individual truth within the human condition. Selected works will center on the concept of discovering wisdom and truth through intense personal experience. Students will continue to develop skills related to thematic analysis, personal connection, and critical response. Works to be studied may include:

Journey to Ithaca

Siddhartha

The Alchemist

The River Why

Life of Pi

The Heart is a Lonely Hunter

The Bread Giver

.5 Credit

No Prerequisite

Level 2

Grades: 10-12

MARVEL: A STUDY OF MYTHOLOGY (2)**Course # 1435**

Do you like Marvel movies? Are you fascinated by super heroes, gods, goddesses, and ancient civilizations? Do you ponder deep questions about life and existence? Wish to explore other worlds and dimensions? Did you ever wonder how Odin lost an eye? Or yearn for just a few more Loki/Thor adventures? Ancient myths and cultures still permeate the modern world and add meaning to it. In this course we will bridge the past and present by looking at how myth both lives on and is transformed through modern films, novels, and graphic novels. We will focus on studying Norse and Greek Mythology to obtain a collegiate knowledge of these important texts, and discuss them as they relate to modern characters like those brought to life within Marvel and DC comics. Students will emerge with a foundational knowledge of mythology's function and importance in both the ancient and modern worlds.

Texts/Films

Various Marvel films, based on content/student interests

The Norse Myths by Kevin Crossley

Mythology by Edith Hamilton

D'Aulaires' Book of Norse Myths by Ingri and Edgar D'Aulaire

D'Aulaires' Book of Greek Myths by Ingri and Edgar D'Aulaire

.5 Credit

No Prerequisite

Level 2

Grades: 10-12

CREATIVE WRITING (2)**Course # 1440**

This course is designed for students who want to explore their own writing talents and styles. Students will study works of both poetry and prose in order to model the technique and artistry of some of the great writers. Students will be responsible for creating and maintaining a writing portfolio comprised of their original work.

.5 Credit

No Prerequisite

Level 2

Grades: 10-12

JOURNALISM (2)**Course # 1445**

Students will learn to write news and feature stories as well as editorials, reviews, and opinion pieces for the purpose of professional publication. Course work will require articles to be written on a daily basis, and students will engage in the following activities: peer editing, peer-reviewing, interviewing, film review to name a few. Text: *Inside the Writer's Mind*.

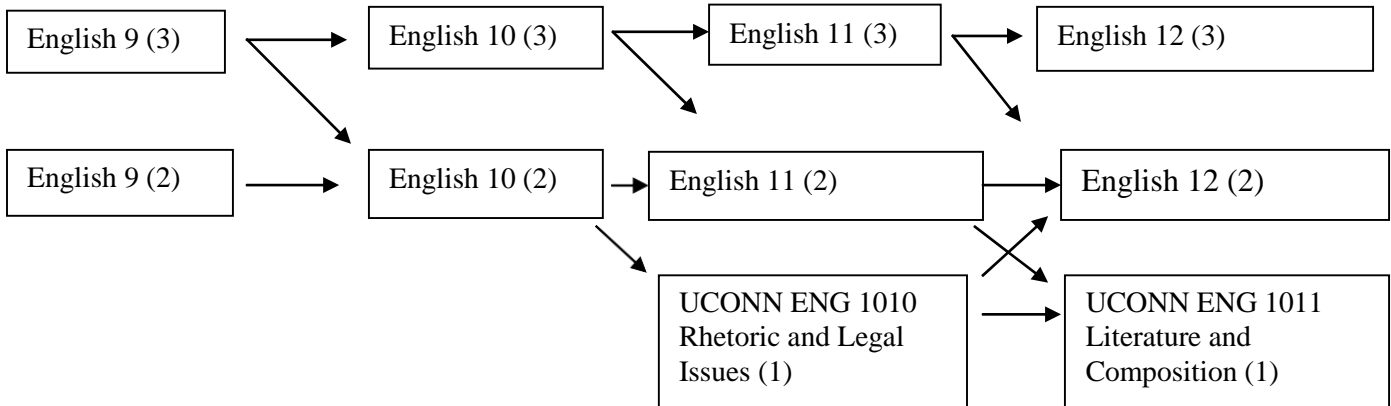
.5 Credit

No Prerequisite

Level 2

Grades: 10-12

ENGLISH COURSE SEQUENCE



Elective English classes must be supplemental to English 9 - 12

The Journey of the Self

Creative Writing

Journalism

Marvel: A Study of Mythology

NWCC Public Speaking

FAMILY AND CONSUMER SCIENCE

FOOD AND NUTRITION

Course # 6425

In this course, students will learn how to make healthy and nutritious food decisions, plan meals and prepare food safely. Students will learn the various career paths associated within the food industry. The course will cover areas of kitchen and food safety, food production, preservation, nutrition, planning, marketing, and preparation. A classroom and laboratory half-year course is open to grades 9-12.

.5 Credit
Level 3

No Prerequisite
Grades: 9-12

CULINARY ARTS

Course # 6426

This second level course provides a more in depth view of the food service industry. Areas to be covered include culinary safety, the food service industry, and quality food service practices, the professional kitchen and culinary applications. Culinary Arts is a classroom and laboratory full year course open to grades 10-12 who have taken Food and Nutrition. Students will be required to participate in a community service project at the end of the school year. This course is designed for the student interested in entering the culinary profession.

1.0 Credit
Level 3

Prerequisite: Food and Nutrition
Grades: 10-12

HUMAN GROWTH AND DEVELOPMENT: LIFESPAN

Course# 6429

Students will study growth and development from conception through death from a lifespan view. This class will focus on the importance of parenting styles, financial hardships, and societal roles as one ages through their lifespan. Learning targets include developmental theories, biological foundations, and physical, perceptual, and motor development. The changes in socioemotional and consumer-related aspects of early childhood, middle childhood, emerging and established adulthood, later life, death, and bereavement will be examined.

1 Credit
Level 3

No Prerequisite
Grades: 10-12

CHILD DEVELOPMENT I and II**Courses # 6450 and 6455**

Students will study growth and development of the child from prenatal through their adolescence. The class will focus on the importance of the role of the caregiver and his/her effect on the development of the child. This is a hands-on course. In Child Development I, students will be required to have a real life experience with an infant. In Child Development II, Students will observe and work with children at each stage of development via classroom guests and a student/teacher program coordinated with the Pre-Kindergarten class at Black Rock Elementary School. All students would benefit from these courses; however, we strongly recommend these courses for those who intend to enter the following fields: Education, Medical, and Mental Health.

.5 Credit Each

No Prerequisite for Child Development I

Child Development I for Child Development II Preferred

Level 3

Grades: 9-12

INDUSTRIAL EDUCATION

CONSTRUCTION TECHNOLOGY (3)

Course # 6511

This course instructs students in the basic fundamentals of the construction industry. Students will learn the steps involved in constructing a residential house on-site through various hands on activities. The activities include but are not limited to the following: framing, plumbing, electrical, sheet rocking, and roofing. Students will also plan, design and construct individual and group projects utilizing the tools, equipment and machines needed to complete these projects. Safe handling of tools and equipment, proper planning techniques and teamwork will be emphasized in this class.

.5 Credit

No Prerequisite

Level 3

Grades: 9-12

MANUFACTURING (3)

Course # 6512

This course will instruct students in the workings of the manufacturing industry through a variety of individual and group activities. Activities will include individual projects planned, designed, and manufactured and marketed using conventional tools, equipment and marketing strategies. Students will also complete an enterprise mass production project as a class activity or in small groups and prepare written and/or video documentation of their work. The manufacturing industry of Thomaston and/or the surrounding area will also be explored. Advanced manufacturing methods such as CNC (Computer Numerical Control) and 3-D printing procedures will be explored.

.5 Credit

No Prerequisite

Level 3

Grades: 9-12

CAD I (Basic Drafting Techniques) (3)

Course # 6535

This course is designed to introduce students to the world of design and drafting using traditional methods of instruction (hand drafting) as a brief introduction and progressing to CAD as the primary tool of instruction. Students initially learn how to create single and multi-view drawings using graph paper and mechanical drawing equipment. Students next utilize professional grade software for working both in 2-D and 3-D formats. They learn the computer commands for drawing basic geometry as used in the mechanical engineering and architectural fields. At its core this is a project oriented course. Students are challenged to utilize computer techniques learned to engage in designing, analyzing, and creating both as individuals and in design teams. This course is a hands on learning experience that reinforces basic math skills, technological literacy, academic and personal development and technical knowledge. Individual ability is taken into consideration and students are challenged to achieve to their highest level, knowledge, and career awareness. Emphasis is placed on individual ability and students' progress at their own rate.

.5 Credit

No Prerequisite

Level 3

Grades: 9-12

CAD II (Advanced Drafting Principles) (3)**Course # 6540**

This course is designed for the student who has an interest in learning the advanced concepts for producing drawings used in industry utilizing the computer and the corresponding 2-D and 3-D CAD software. Students initially review all the computer commands introduced in the CAD I course. Students will be guided through the correct commands to learn how to produce orthographic, section view, auxiliary view, working drawings, 3-D assembly and animated products. Students will review basic dimensioning methods and will be introduced to GD&T (Geometric Dimensioning and Tolerancing) techniques used in specifying manufactured products. There will be the opportunity for students (individually or in design teams) to realize a number of their designs on a 3-D printer and in the wood shop. Students with engineering and/or manufacturing career interests will most benefit from this course.

.5 Credit
Level 3

Prerequisite: CAD I
Grades: 10-12

INDUSTRIAL ARTS I (3)**Course # 6508****INDUSTRIAL ARTS II (3)****Course # 6509**

These courses are designed to teach the fundamental concepts of Industrial Arts with respect to both design and implementation. For the design aspect, the teacher will facilitate the engineering design process towards projects in this class. This includes defining the need for the project, making space for divergent and critical thought, organization, implementation of the idea, and the redesign or modification of the tested project. For the implementation aspect of the class, teamwork, shop safety, mathematics, and proper use of advanced tools and equipment will be the focus. Woods, PLA, and metals will be the main materials worked. Each student will be challenged with respect to equity and differentiation. The Industrial Arts Department will provide all woods, hardware, and safety gear for mainstream projects. All completed work will become the personal property of the student.

.5 Credit
Level 3

Prerequisite: Construction Technology or Manufacturing
Grades: 10-12

SMALL ENGINE REPAIR**Course #6560**

The Small Engine Repair will provide students with an introductory knowledge and entry level skills to gain employment in the field of small engine repair. Upon completion of the program, students will be able to understand the role of a small engine technician and the career opportunities in the outdoor power equipment field, describe the basic operation of small engines and identify the parts of a typical small engine, discuss the theory and operation of the cooling, lubrication, and fuel of a typical small engine, describe the theory and operation of the electrical systems of a small engine, including the operation of the ignition system, describe how to disassemble, rebuild, and reassemble a typical two-stroke and four-stroke engine, and identify the types of drive trains found in outdoor power equipment and summarize how to service lawn and riding mowers as well as garden tractors. In addition, students will be able to identify the typical troubleshooting and repair procedures for the most common types of outdoor power equipment, and describe the ownership and management of an outdoor power equipment repair business. Small Engine Repair II will also go further into automotive maintenance and will explore basic mechanic tasks such as but not limited to; oil changes, brake jobs, checking and filling fluids, rotating/changing tires, replacing engine components, other routine maintenance, etc. 1 credit No Prerequisite Level 3 Grades: 9-12

1 credit
Level 3

No Prerequisite
Grades: 9-12

AUTOMOTIVE MECHANICS**Course #6561**

Automotive Mechanics takes the vast knowledge of Small Engine Repair I and will go further into automotive maintenance. The students will explore basic mechanic tasks such as oil changes, brake jobs, checking and filling fluids, rotating and changing tires, replacing engine components, and other general routine car and truck maintenance.

1 credit
Level 3

Prerequisite: Small Engine Repair
Grades 10-12

PHYSICAL EDUCATION/HEALTH

Physical Education (Grade 9/10)

Course # 6736

Physical Education (Grades 11/ 12)

Course # 6735

The Physical Education component will include:

- Fundamental fitness concepts
- Fundamental fitness training including weights and cardiovascular activities
- Sport skills in a variety of team and individual sport activities
- Knowledge of physical and psychological benefits derived from health related fitness activities
- Knowledge of rules, strategies, and sportsmanship behaviors will be reinforced and other related information concerning lifetime fitness maintenance will be taught.

*Grade 10 students are required to take the Connecticut Physical Fitness Assessment

.5 Credit

No Prerequisite

Grade 9: Will attend physical education class daily for one semester.

Grade 10: Will attend physical education class daily for one semester.

Grades 11-12: May attend physical education class daily for one semester.

HEALTH I

Course # 6750

This course enhances and empowers the physical, mental, and social well-being of our students' lives through demonstrating healthy behaviors and making informed decisions. Students learn various health skills and practice and apply the skills to content taught while reflecting on their own personal health and lifelong wellness. Skills will include accessing valid information, products, and services, decision-making, goal-setting, analyzing external and internal influences, using effective communication, and advocating a healthy position. Units include, but are not limited to, nutrition, personal fitness, diseases, sexually transmitted diseases, drug prevention, and relationships. **Health Education is a one-semester course required for graduation. Students are highly encouraged to take health during their freshman year.**

.5 Credit

No Prerequisite

Level 3

Grade: 9/10

HEALTH II

Course # 6760

This course is a continuation of enhancing and empowering the physical, mental, and social well-being of our students' lives through demonstrating healthy behaviors and making informed decisions. Students review specific health skills and practice the application of these skills towards certain health-related topics. These topics include, but are not limited to, Nutrition, Drug Prevention, Sexual Education, Diseases and Disorders, Mental/Emotional Health, and Safety and Environmental Health. **Health II is a required course for graduation and is recommended to be taken during sophomore year.**

.5 Credit
Level 3

Prerequisite: Health I
Grades 9/10

PHYSICAL EDUCATION ELECTIVES

EXERCISE SCIENCE

Course # 6755

This is an introduction to fitness and movement concepts through participation in various activities including resistance training, dance, aerobics, and yoga. This course provides the opportunity to study the scientific principles of movement and exercise, benefits of engaging in physical activity, injury prevention strategies, and developing good nutritional habits towards living a long, safe, and healthful life.

.5 Credit
Level 3

No Prerequisite
Grades: 10-12

Note: Sophomores may select Exercise Science I in place of PE 10. This course may only be taken once in high school. Course availability is dependent on student interest.

MATHEMATICS

ALGEBRA (3)

Course # 3110

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The concepts taught deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. **Texas Instruments 83/84 series calculator is recommended.**

1 Credit
Level 3

No Prerequisite
Grade: 9

GEOMETRY (2)

Course # 3202

GEOMETRY (3)

Course # 3210

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Geometry (2) moves at a more rapid pace and requires work with more difficult proofs and greater depths of understanding.

1 Credit
Level 2
Level 3

Grade 9-11
Prerequisite: Algebra
Prerequisite: Algebra

STATISTICS AND PROBABILITY (3)

Course # 3105

The purpose of this course is to introduce students to basic statistical and probability concepts and techniques used in the real world. Statistical topics include collecting, analyzing and displaying data. Probability topics include experimental and theoretical probability, conditional probability and expected value. **This is a required course and must be taken either in ninth or tenth grade. Students who do not take this course MUST take AP Statistics in eleventh or twelfth grade. A Texas Instruments 83/84 series graphing calculator is required.**

1 Credit
Level 3

No Prerequisite
Grade 9 or 10

ADVANCED ALGEBRA (2)**Course # 3300****ADVANCED ALGEBRA (3)****Course # 3310**

The prerequisite course is geometry. Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Advanced Algebra (2) moves at a more rapid pace and requires greater understanding of the theory of mathematics. **Texas Instruments 83/84 series calculator is required.**

1 Credit

Level 2 Prerequisite: Geometry

Level 3 Prerequisite: Geometry

Grades: 10-12

PRE-CALCULUS (2) AND (3)**Course # 3400/3410**

This course integrates the concepts of calculus with topics of discrete mathematics. It provides the opportunity for students to investigate topics such as extrema, graph theory, trigonometry, and mathematical applications. Students will find themes that unify their understanding of mathematics and prepare them for courses they will need in college. Pre-Calculus (2) moves at a more rapid pace, requires greater understanding of the theory of mathematics, and prepares students for AP Calculus. **Texas Instruments 83/84 series calculator is required.**

1 Credit

Level 2 Prerequisite: Advanced Algebra

Level 3 Prerequisite: Advanced Algebra

ADVANCED PLACEMENT STATISTICS (1)**Course # 3425**

This is a full-year advanced placement course in statistics comparable to first year courses in colleges and universities. It is devoted to the study of probability and statistical concepts and techniques and the application of these concepts to real-world examples. It is expected that students who take this AP course will seek college credit or placement, or both, from institutions of higher learning. **A Texas Instruments 83/84 series graphing calculator is used extensively and is required.**

1 Credit Prerequisite: Teacher Recommendation

Level 1 Grades: 11-12 Course Fee Required

ADVANCED PLACEMENT CALCULUS AB (1)**Course # 3500**

This is an advanced placement course in calculus and related topics comparable to first year courses in colleges and universities. Most of this full year course is devoted to the study of differential and integral calculus. It is expected that students who take this AP course will seek college credit or placement, or both, from institutions of higher learning. **Graphing TI 83 or TI83 Plus, or TI 84 is required or TI89.** UConn ECE has been proposed to run concurrently with this class.

1 Credit
Level 1

Prerequisite: Teacher Recommendation
Grade: 12 Course Fee Required

MATHEMATICS COURSE SEQUENCE

8th	9th	10th	11th	12th
Algebra	Geometry (2) Stat and Prob. (3)	Adv. Algebra (2) Stat and Prob (3)	Pre-Calculus (2)	AP Statistics (1) AP Calculus AB (1)
Math 8	Algebra(3) Stat and Prob (3)	Geometry (3) Stat and Prob (3)	Adv. Algebra (3)	Pre-Calculus (3) Statistics (3) AP Statistics (1)
Intervention	Educere	Educere		

Note:

1. All students enrolled in level 3 Algebra and Geometry are required to take a supplemental STEM Math while in grade 9 and 10.
2. Highly motivated students are encouraged to transition from level 3 to level 2 courses. High school students wishing to move to level 2 may be required to take two Math courses during the same academic year in order to complete the transition.

*Examples: Geometry and Advanced Algebra may be taken concurrently
PreCalculus and AP Statistics may be taken concurrently*

MUSIC

CHORUS I, II, III, IV

Course # 6346, 6347, 6348, 6349

An ensemble class dedicated to performance of choral literature. Repertoire is drawn from a variety of styles in order to give students as varied a musical experience as their abilities allow. There is an emphasis on developing singing skills, and the pure enjoyment of singing. This is a full-year course and required performances include a winter and spring concert, as well as Thomaston High School graduation. Students are encouraged to participate in music festivals including All-State, Berkshire League, ACDA Honors Choir, and university festivals. Any student with a desire to sing is encouraged to enroll. New students to the program will be accepted and placed through an audition process to determine vocal level.

1 Credit	No Prerequisite
Level 3	Chorus I and II
Level 2	Chorus III and IV

BAND I, II, III, IV

Course # 6311, 6312, 6313, 6314

An ensemble class dedicated to the performance of wind band literature. This class is open to students in students in grades 9-12; with preference to those students have prior experience. Repertoire is drawn from a variety of styles in order to give students as varied a musical experience as their abilities allow. Smaller sub-groupings may be formed with the intention of exploring and performing more modern genres, such as jazz, blues, and rock. Emphasis is placed on developing playing skills and enjoying music. Students must play in all public performances. Students are encouraged to participate in other music festivals including All-State and Berkshire League festivals. Bass players are also welcome.

1 Credit	No Prerequisite
Level 3	Band I and II
Level 2	Band III and IV

MUSIC THEORY

Course # 6380

Music Theory is a semester long course design to introduce the student to the fundamentals, resources, and practices of Western music from the 17th century to the present day. Through class discussion, listening experiences, assignments, and composition projects, students will develop a foundation of knowledge of the following musical elements: melody, harmony, rhythm, form, and composition. This class is an excellent choice for students interested in music, composition, or those who plan to continue studying music beyond high school.

.5 Credit	No Prerequisite
Level 2	Grades: 9-12

PIANO I**Course # 6360**

This course is designed to teach the fundamentals of piano playing. Instruction will focus on proper playing technique and encompass a variety of musical styles: folk, rock, pop, blues, classical, and more. You will learn a vocabulary of chords, accompaniment patterns, and improvisational techniques. You will also learn how to play melodies in several positions and possibly participate in ensemble playing. While the class is designed as an introductory course, students will be encouraged to go as far in their learning as their effort allows.

1 Credit
Level 3

No Prerequisite
Grades: 9-12

PIANO II**Course # 6365**

This course is designed to expand upon students' skills and knowledge that they developed in piano I. Students will learn to perform music of multiple genres and styles, as well as to perform music in a small group setting (public performance optional, not required). In addition, this course will spend time focusing on sight reading, playing by ear, and also song-writing.

1 Credit
Level 3

Prerequisite: Piano I
Grades: 10-12

SCHOOL-TO-CAREER

Experiential Learning is a critical piece to the overall high school experience. This type of learning allows for real-world experiences working with genuine experts in their fields. The following courses are open to students in grades 9-12. Students must apply for each course with the School-to-Career Coordinator. Emphasis will be placed on academic and employability skills through teacher and employer evaluations. **No more than .5 credit in any School-To-Career program may be used to satisfy graduation requirements.**

WORK PROGRAM

Course # SCWV

A half-year course open to students in grades 10-12. Students work 200 paid hours at a work site connected to a career interest. This course is designed to assist students with vocational and employability skills needed in the work place. Employers evaluate the student's performance according to the SCAN Skills and the student must complete a work-centered report.

.5 Credit

Prerequisite: Working Papers

Grades: 10-12

COMMUNITY VOLUNTEER

Course # SCCV

A half-year course open to students in grades 9-12. Students must volunteer 50 hours in a project, class or club with direct service to the community. Passing evaluation from the advisor or teacher and documented hours of service are required.

.5 Credit

No Prerequisite

Grades: 9-12

WORK VOLUNTEER

Course # SCWV

A half-year course designed to teach vocational and social skills at the work site. The work site must be related to the student career interest and 50 hours of unpaid work must be completed during a semester. Passing evaluations from employer for work performed, and completion of a work-centered report are required.

.5 Credit

No Prerequisite

Grades: 9-12

INTERNSHIP**Course # SCIP**

A half-year course that is open to seniors. It is a program designed to provide a meaningful work-based learning experience for students in their career interest area, which reinforces and makes relevant the classroom learning experience. Students will intern for 60 hours per semester.

Requirements:

- Maintain a weekly journal
- Evaluated quarterly by employer based on work related competencies
- Complete a related project for presentation at end of internship
- Maintain good attendance at intern site (three absences allowed)

.5 Credit

Prerequisite: Job shadow at Intern site prior to application.
Teacher or Guidance Counselor recommendation suggested.

Grade: 12

SCIENCE

Note: All Science offerings include laboratory periods.

BIOLOGY (2)

Course # 4220

This course considers life on all levels of organization with an emphasis on how molecules are incorporated into cellular structures (at the atomic, cell, tissue, organ and organ system levels) and the role biotechnology serves in science and our current society. Individual biological processes are considered along with how these processes relate to ourselves, other living things, other ecosystems and our global community. Laboratory investigations and activities allow students to further develop skills such as critical thinking, making observations, and formulating ideas about biological phenomena. The laboratory activities are designed to allow for students to develop their own ideas and reflect on their work. Inquiry-based, extensive and well written scientific laboratory reports are an integral part of the THS Biology curriculum. This honor class will cover these topics in greater detail.

1 Credit
Level 2

No Prerequisite
Grade: 9

BIOLOGY (3)

Course # 4230

The study of Biology considers life on all levels of organization with an emphasis on how molecules are incorporated into cellular structures (at the atomic, cell, tissue, organ and organ system levels) and the role biotechnology serves in science and our current society. Individual biological processes are considered along with how these processes relate to ourselves, other living things, other ecosystems and our global community. Laboratory investigations and activities allow students to further develop skills such as critical thinking, making observations, and formulating ideas about biological phenomena. The laboratory activities are designed to allow for students to develop their own ideas and reflect on their work. Inquiry-based, extensive and well written scientific laboratory reports are an integral part of the THS Biology curriculum.

1 Credit
Level 3

No Prerequisite
Grades: 9

CHEMISTRY (2)**Course # 4310****CHEMISTRY (3)****Course # 4330**

Chemistry is the science dealing with the composition of materials and changes that these materials may undergo. Students explore these fundamental principles through computer-based and traditional laboratory techniques that are used to obtain, organize and analyze data. Conclusions are developed using both qualitative and quantitative procedures. Topics include, but are not limited to: the nature of chemistry, atomic structure, periodic trends, properties of matter, molecular geometry, chemical reactions, thermodynamics, gas laws, stoichiometry, equilibrium, and nuclear chemistry. Chemistry (2) moves at a more rapid pace, requires greater understanding of concepts, and prepares students to engage in conversation about scientific research articles.

1 Credit

Level 2 No Prerequisite

Level 3 No Prerequisite

Grade: 10

PHYSICS (2)**Course #4420**

Physics deal with various types of energy, the transformation of energy and the behavior of matter in relation to energy. A strong emphasis is placed upon laboratory investigations and problem solving that stresses analysis and critical thinking skills. Topics include the study of classical mechanics (ie., the relationship between force, motion, work, energy and power, gravitation and planetary motion, wave motion and vibrations, fluid power and heat, electricity, and magnetism. Modern theoretical physics and its expansion on Newtonian Physics is also explored.

1 credit Prerequisite: Advanced Algebra

Level 2 Grade: 11

PHYSICS (3)**Course # 4410**

The course is designed to provide the student with basic introduction to the principles of physics and offers firsthand experience on learning in the laboratory. The basic concepts of Newtonian mechanics, fluids, heat, electricity and magnetism, light, sound, relativity and quantum mechanics are examined through lecture and laboratory investigations. An emphasis is placed on a conceptual understanding of physics though a good understating of math is important.

1 credit Prerequisite: Advanced Algebra (may be taken concurrently)

Level 3 Grade: 11

UCONN PHYSICS (1)**Course # 4423**

The goal of UCONN Physics is to provide students with the identical course offered by the University of Connecticut and is the equivalent of one semester of college physics. This course emphasizes quantitative and qualitative explanations of physical phenomena and requires strong algebra, geometry and trigonometry skills. Topics studied include Newtonian Mechanics, wave phenomena, energy and thermodynamics. This will be conducted primarily through inquiry based laboratory experiments and problem solving activities, reinforced with class discussion. Students should be prepared to devote a significant amount of time to working on problem sets, writing lab reports, and working on projects outside of class. UCONN Physics is an accelerated course in college level, non-calculus based physics.

1 Credit Prerequisite: Advanced Algebra and Teacher Recommendation
Level 1 Grades: 11-12 Course Fee Required

SCIENCE ELECTIVES**SCIENCE AND ENGINEERING COHORT****Course #4800, #4815, and #4825**

This research course is a three-year elective in which students choose a topic and carry out an original research project on that topic. The student does ALL of what professional researchers do, from journal readings to finding a mentor, planning a project, and carrying it out to an appropriate research conclusion. As the work progresses, the student writes research papers, creates posters, and presents research findings at available competitions and symposia as determined by the instructor. During the student's junior and senior years, he or she may elect to take the course for college credit for potentially twelve credits at the State University of New York. Also during the junior and senior years, each student is required to enter available venues for competitions as determined by the instructor. All students are welcome to apply regardless of past academic history. The only prerequisite is that the candidate be self-motivated, a hard worker, and show a genuine interest in science, engineering, and math.

Prerequisite: To be selected for the Science and Engineering Cohort, students must show a strong interest in science and math and be in the top 25% of their science and math classes. Students must obtain letters of recommendation, and the top ten students who apply are accepted into the program.

Year 1 (Grade 10)—1 Credit (Level 2)

Year 2 (Grade 11)—1 Credit (Level 1)

Year 3 (Grade 12)—1 Credit (Level 1)

ASTRONOMY (2)**Course# 4315**

This full year class is a survey course covering a broad range of topics within the discipline of Astronomy. It is geared towards the curious student who is looking to apply their skills in physical science and mathematics while exploring the cosmos. It includes our place in the stars, history of observational Astronomy, orbits and gravity, objects in our solar system, sun-earth-moon mechanics, space exploration, life cycle of a star, black holes, and galaxies.

1 Credit Prerequisite: Advanced Algebra and Chemistry
Level 2 Grades: 11-12

ENVIRONMENTAL SCIENCE (2)(3)**Course #4320**

Environmental Science will begin with an introduction to ecology, during which time students will explore the diversity and complexity of interactions in various biomes ecosystems. The second half of the course will focus on how humans impact the environment, leading to enhanced awareness and understanding of some of the major environmental problems facing us today. Students involved in S.A.G.E. are strongly encouraged to enroll in this course.

1 Credit Prerequisite: Biology
Level 3 Grades: 11-12

ANATOMY AND PHYSIOLOGY (2)**Course # 4360**

This human anatomy and physiology course is designed for students who are considering a career in the sciences, particularly life sciences, medical sciences, or sports medicine. It covers basic life chemistry, organization of the human body, cells, tissues, and body systems. Further material addresses health issues and common disorders. **Animal dissection is included.**

1 Credit Prerequisite: Biology and Chemistry
Level 2 Grades: 11-12

UCONN BIOLOGY (1)**Course #4601**

UCONN Biology is an advanced biology course that will provide a foundation for more advanced courses in Biology and related sciences and for those considering careers in medical related fields. Topics covered include molecular and cell biology, macromolecules, membrane biology, osmosis, animal anatomy and physiology, anatomical systems and systemic regulation of nutrients. Laboratory exercises in BIOL 1107 include dissection of preserved animals and student-centered laboratory experiments performed following the scientific method.

1 Credit Prerequisite: Honors Biology and Chemistry Teacher Recommendation (Biology Teacher)

Level 1 Grades 11-12 Course Fee Required

ADVANCED PLACEMENT CHEMISTRY (1)**Course # 4525**

AP Chemistry is a second year chemistry course that serves as an introductory college level chemistry course. The curriculum is based on the national AP Chemistry syllabus and provides investigations into topics of general inorganic chemistry with special emphasis on the quantitative aspects of such topics as bonding, acid/base reactions, kinetic theory, gas laws, thermo-chemistry, and thermodynamics. Students will be required to complete a summer reading assignment prior to entering this course in the fall. Students may earn college credits for their achievement in this course. The credit may be awarded by some colleges for achievement on the **AP Examination**. A registration fee is associated with the A.P. Examination. It is expected that students participate in the AP Exam for this class.

1 Credit

Prerequisite: Advanced Algebra, Chemistry, and Teacher Recommendation

Level 1

Grades: 11-12

ROBOTICS I (2)**Course # 4431**

This robotics course provides more in-depth topics of robot mechanisms, dynamics, and intelligent controls. Topics include planar and spatial kinematics, and motion planning; mechanism design for manipulators and mobile robots, multi-rigid-body dynamics, control design, actuators, and sensors; wireless networking, task modeling, human-machine interface, and embedded software. Projects provide experience with servo drives, real-time control, and embedded software. Students will design and fabricate working robotic systems in a group-based team project.

.5 credit

Prerequisite: Elementary Robotics

Level 3

Grades: 10-12

ROBOTICS II (2)**Course #4432**

This course will teach fundamental topics in robotics. Students will apply the scientific method and build on physics and mathematics concepts by investigative research that requires inquiry, data collection, and analysis. Students will study the basics of PLC (Programmable Logic Controller) and how PLC's influence the industrial environment. Students will be able to write computer programs that can be used to control the processes. Students will be able to write and debug software. Students will study and gain practice in aspects of mechanical engineering (gear ratios, level laws, torque), computer programming (Robot C language), and electronics (Ohm's law, use of a multi-meter, radio signal transmission). Using the engineering design team concept as a model, students will work in small groups to research, design, program, and construct robotic devices. Students must be computer proficient and enjoy creating mechanical processes from abstract ideas.

.5 Credit

Prerequisite: Robotics I

Level 3

Grade: 11-12

ROBOTICS III (2)**Course #4433**

This level-2 robotics course will use the engineering design process as a model for creating mechanical processes from abstract ideas; students will work in small groups to research, design, program, and construct robotic devices. Students must be computer proficient.

1 credit

Prerequisite: Robotics I and II

Level 2

Grades 10-12

INTRO TO FORENSIC SCIENCE (2)**Course #4434**

Forensic Science is the application of science to those criminal and civil laws that are enforced by police agencies in a criminal justice system. This class incorporates Biology, Chemistry, Physics, Entomology, Earth Science, Human Anatomy and Molecular Biology. Major topics include processing a crime scene, collecting and preserving evidence, identifying types of physical evidence, organic and inorganic analysis of evidence, hair, fibers, and paint, toxicology, serology, DNA, fingerprints, ballistics, and forensic pathology. The main focus of this course will be to emphasize the evidential value of crime scene and related evidence and the services of what has become known as the crime laboratory.

1 credit Prerequisite: Biology and Chemistry
Level 2 Grades: 11-12

INFECTIOUS DISEASES (2)**Course #4444**

Infectious Diseases is designed for high school students in a framework that is relevant to their lives. The Infectious Disease curriculum is written around six key units (with emphasis on inquiry-based learning, labs and case study analysis) which will provide the students with an in-depth understanding of how infectious diseases affect them. This course will center on the Social Concerns and Protective Barriers for Infectious Diseases, Identification and Determination of Infectious Agents, Immunology and Vaccine Design, Pathology of Infectious Diseases, Epidemiology of Infectious Diseases, and The Evolution of Infectious Diseases. For a final project, students will use their acquired skills to research and understand an infectious disease of their choice. Students will learn about diseases, which will enable them to make informed choices about their health. Considering this, infectious disease is particularly relevant because of its continual impact on individuals and society; we can relate to the aches, pains, and fever resulting from infections and these experiences are used to engage students in real-life applications.

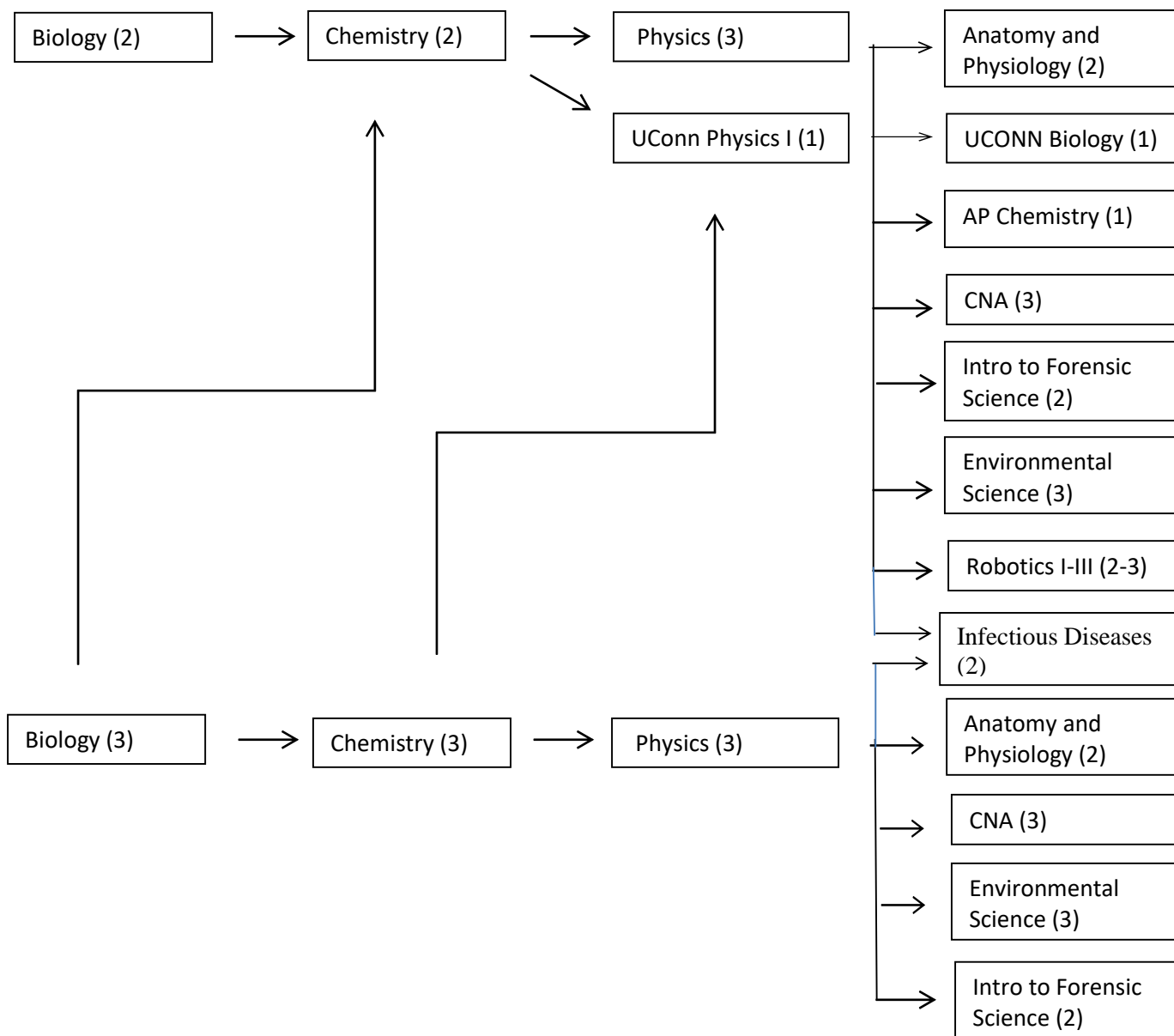
1 credit Prerequisites: Biology and Chemistry
Level 2 Grades: 11-12

CERTIFIED NURSE AIDE (3)**Course # 9999**

This course will prepare the successful participant for State of Connecticut Certification. Nurse Aides care for patients in their homes, long-term care facilities, hospitals, physicians' offices and clinics. The student will participate in classroom discussion and lectures, have a chance practice basic nursing skills in a simulated lab setting, and then gain experience in a long-term care clinical experience. Course content will include work safety, communication and documentation, medical/legal ethics, anatomy and physiology, medical terminology, and pathophysiology. In addition, students will receive American Heart Association Basic Life Support for Health Care Providers certification. Students who successfully complete the program will be eligible for State of Connecticut Certification testing which is provided at the conclusion of the course.

1 credit Prerequisite: Biology
Level 3 Grades: 11-12

SCIENCE COURSE SEQUENCE



SOCIAL STUDIES

GLOBAL STUDIES (2)

Course # 2125

Intended to serve as a first year course in world history, this course explores the foundations of civilization while exploring connections to current events in specific regions of the world. Emphasis is on the political, economic, and social structures of societies, including Western ideas and institutions which influence contemporary civilization. This course emphasizes critical reading and thinking as well as document analysis. The ability to write a cohesive five-paragraph essay is expected. Independent research skills will also be emphasized.

1 Credit
Level 2

No Prerequisite
Grades 9-12

GLOBAL STUDIES (3)

Course # 2135

Intended to serve as a first year course in world history, this course explores the foundations of civilization while exploring connections to current events in specific regions of the world. Emphasis is on the political, economic, and social structures of societies, particularly those which have influenced contemporary civilization. This course will develop critical reading and thinking and enable students to strengthen writing skills. The development of basic research skills will be emphasized. Development of essay writing skills will be addressed.

1 Credit
Level 3

No Prerequisite

WORLD BACKGROUNDS (2)

Course # 2201

Honor's level Modern World deals with the social, political and economic development of the nations of the world from 1500 to the 20th century. Major themes of modern history will be explored including absolutism, revolution, industrialization, liberalism, socialism, nationalism, imperialism, conflict and conflict resolution. This course requires very strong critical reading and analytical writing skills. These skills will be developed by extensive use of primary sources and frequent essay writing. Students are expected to demonstrate independent research skills in oral presentations and research papers.

1 Credit
Level 2

No Prerequisite
Grades: 10-12

WORLD BACKGROUNDS (3)**Course # 2202**

The Modern World offers students the chance to explore those movements and eras that effectively brought mankind out of the Middle Ages and that have shaped the world we know and inhabit today. Students will closely study social progress and development as it has occurred through critical modernizing eras in human history, including the Age of Exploration, the Enlightenment, the Renaissance, and the Industrial Revolution. Students will consider the causes and consequences of post-industrial modernization and consider how important ideologies such as imperialism, nationalism, democracy, and communism have shaped and continue to affect the world we live in today. Finally, students will explore and analyze current issues such as terrorism, global poverty, and intolerance, and attempt to connect these modern realities to past histories. Throughout the course, students will continue to develop important research, argumentation, communication, and presentation skills important within and beyond the field of history.

1 Credit
Level 3

No Prerequisite
Grades: 10-12

UNITED STATES HISTORY (2) and (3)**Course # 2310**

United States History explores the truly fascinating story of our country's history. This required program offers students a comprehensive survey of the main themes and concepts of United States history. Within the framework of this survey, vivid details about American life provide for concrete learning experiences.

United States History presents broad social, political and economic developments of each period in our history with particular emphasis on the lives of the people. Content will focus on the 20th century with the first quarter used as a review of the country's founding documents, expansion and the Civil War. This development of our country's history has been placed in a framework of world events. Students develop skills in analyzing and evaluating major issues and in interpreting historical material.

1 Credit
Level 2/3

No Prerequisite
Grade: 11

UCONN UNITED STATES HISTORY (1)**Course # 2510**

UConn U.S. History is designed to challenge students in processing information in order to understand continuity and change in American History. Using a variety of preliminary and secondary sources, emphasis will be placed on careful reading, exact writing, perceptive evaluation and divergent thinking as the history of the United States unfolds. This is an ECE (Early College Experience) course that allows students the opportunity to earn six (6) college credits upon successful completion of the course. Demands and expectations exceed those of traditional high school courses. Course studies will focus on the following:

- Document Analysis
- Essay Development
- Lesson Application

1 Credit
Level 1

Prerequisite: Teacher Recommendation
Grade: 11 Course Fee Required

AMERICAN AND WORLD CITIZENSHIP (2)**Course # 2402**

This course is designed to assist the student in understanding and evaluating the complex problems of the present day world. Students are given an opportunity to express their individual opinions and to engage in critical analysis of the opinion of others. Thinking, writing and research skills are emphasized. Students are expected to seriously reflect on their positions regarding major issues facing the world. Additionally, students will be required to conduct research and present their findings on a world issue to their classmates as well as engage in other research projects. Students are required to prepare for and participate in a Model UN conference. There may be moderate costs associated with the Model UN for which the students may need to bear some responsibility. It is recommended that students taking this course have had above average performance in the honors U.S. history or UCONN U.S. History. This course is considered an elective in social studies or humanities.

.5 Credit Prerequisite: U.S. History
Level 2 Grade: 12

AMERICAN CIVICS AND GOVERNMENT (3)**Course # 2427**

This course is an in-depth study of landmark Supreme Court decisions the deal with the Freedom of the Press, Freedom of Speech, Freedom of Religion, the Right to Bear Arms, the Right to Counsel, and the Prohibition of Cruel and Unusual Punishment. The course covers what the Framers felt these rights meant but also allows the students to determine for themselves what these rights mean. In the end, students will understand how the decisions of the nation's highest court impact their own lives.

.5 Credit Prerequisite: U.S. History
Level 3 Grade: 12

SOCIAL STUDIES ELECTIVES

CRIMINAL LAW (3)

Course # 2450

This is a one-semester course that covers criminal law and its processes. In this course, you study the Model Penal Code as well as state and federal statutes. You will be introduced to the rules and principles that govern our society's efforts to apportion blame and responsibility in accordance with moral norms and practical restraints. Through case study, you will discuss with your classmates the guilt or innocence of defendants as well as whether or not the law was applied correctly.

.5 Credit
Level 3

Prerequisite: None
Grade: 11-12

PSYCHOLOGY (3)

Course # 2460

Psychology introduces students to the field with an emphasis on social psychology, the study of individuals in interaction with others, including individuals as well as groups. The course will examine the methods used by social psychologists to understand human behavior and some of the most important social concepts and theories. The course will provide students a framework for application of the social psychological perspective to their own lives and their interactions with other people and groups.

1 credit
Level 3

No Prerequisite
Grades: 11-12

AP PSYCHOLOGY (1)

Course # 2470

The Advanced Placement course in Psychology is designed to challenge our students in the basic areas of study that correspond to introductory college level psychology courses. Students will be introduced to the systematic and scientific study of the behavior and mental processes of human beings and animals. They will be exposed to psychological facts, principles, and phenomena associated with each of the major subfields within psychology. This course also examines the ethics and methods psychologists use in their science and practice. An emphasis will be placed on preparing students for the Advanced Placement Examination. It is recommended that students participate in the AP Exam.

1 Credit
Level 1

Prerequisite: Teacher Recommendation
Grades: 11-12 Course Fee Required

AFRICAN AMERICAN AND MINORITY CULTURES (3)**Course #2505**

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

1 Credit

Prerequisite: Global Studies and World Backgrounds

Level 3

Grades 11-12

UCONN WESTERN TRADITIONS (1)**Course #2570**

This course is an overview of some of the major developments of western civilization from Antiquity to A.D. 1500. Our broad objective is to consider our indebtedness to the achievements of people of the past, and our place on the historical continuum. We will often discuss the types of evidence that have survived from the ancient and medieval period, and the challenges that historians face in interpreting these materials. This is a semester course where students will earn three college credits from UCONN and .5 humanities credits from Thomaston.

.5 Credit

Prerequisite: Teacher Recommendation

Level 1

Grades 11-12 Course Fee Required

UCONN MODERN WESTERN TRADITIONS (1)**Course #2580**

This course provides students with an opportunity to examine some of the cultural, social, political, and economic developments of the last five hundred years of European history. Through a combination of lectures and discussions, it presents an overview of some of the major changes of the period while focusing in greater depth on analysis of some specific themes, events, and issues that continue to have a profound impact on our own modern society. This is a semester course where students will earn three college credits from UCONN and .5 humanities credits from Thomaston.

.5 Credit

Prerequisite: Teacher Recommendation

Level 1

Grades 11-12

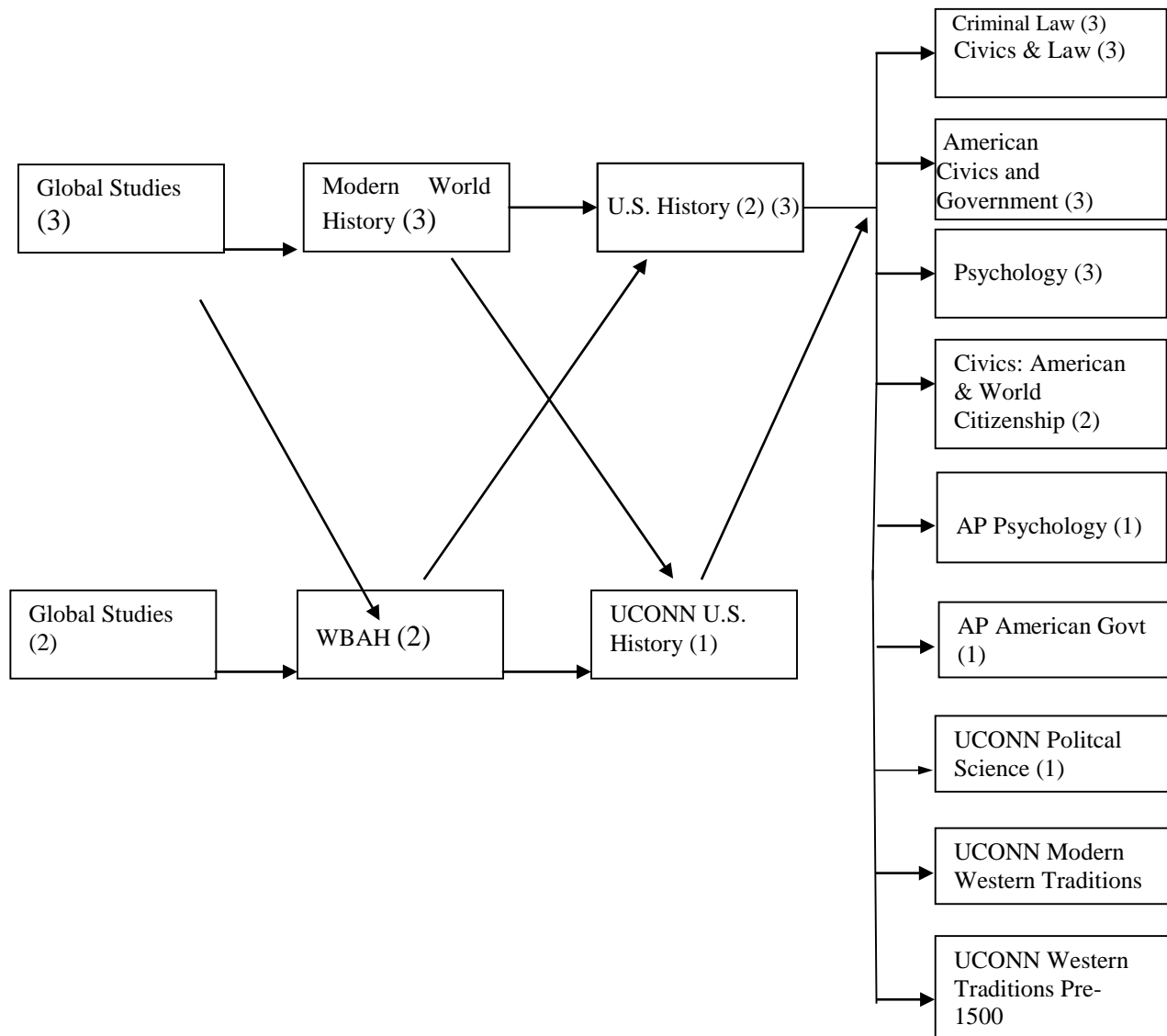
Course Fee Required

UCONN POLITICAL SCIENCE (1)**Course #2510**

Political theory is generally the study of the political institutions of a society; but to fully understand those institutions, one must also understand the history and framework of those institutions. Although this course first and foremost aims to challenge students to consider difficult and sometimes uncomfortable ideas regarding political stances, in a larger sense the purpose of the course is to foster active citizenship and humanitarianism. Units of study include the following: Rights Defined, the History of Rights, Critiques of Rights, Human Rights and Contemporary Issues, Inequality, and Representation and Governance.

.5 Credit	Prerequisite: Teacher Recommendation
Level 1	Grade: 12 Course Fee Required

SOCIAL STUDIES COURSE SEQUENCE



WORLD LANGUAGE

SPANISH I (3)

Course # 5210

Spanish I introduce students to the basics of listening, speaking, reading and writing Spanish. Learning focuses on everyday life in the Spanish-speaking countries of the world. Students will be able to engage in basic conversations, read authentic materials and write about themselves and others. Students will learn about the different customs of Spanish speaking countries, and develop an understanding and appreciation of other world languages and cultures. Students may have the opportunity to visit Spanish-speaking countries.

1 Credit

No Prerequisite

Level 3

Grades: 9-12

SPANISH II (3)

Course # 5220

This course continues to develop the communication skills learned in Spanish I. Students are expected to communicate in Spanish as much as possible. They will further develop their abilities to listen, speak, read and write Spanish. There is a continued exploration of the Spanish speaking world and its cultures. Students may have the opportunity to visit Spanish-speaking countries.

1 Credit

Prerequisite: Spanish I

Level 3

Grades: 10-12

SPANISH III (2)

Course # 5230

Spanish III continues to build on the prior knowledge and skills developed in Spanish I and II. Students will refine their communication skills through acquisition of new vocabulary and grammar and a variety of reading, listening, writing and speaking activities. They will apply their skills and knowledge when reading novelettes and expressing their opinions on various topics through writing. Daily conversation in Spanish is expected. Students' use of the language reflects a deeper understanding of the culture of Spanish-speaking countries. Students may have the opportunity to visit Spanish -speaking countries

1 Credit

Prerequisite: Spanish II

Level 2

Grades: 10-12

SPANISH IV (2)

Course # 5240

Spanish IV is for the student who demonstrates a strong command and interest in the language. Students will refine their communication skills through a variety of authentic materials such as music, movies, novels, and newspapers articles. At this level, students are expected to communicate primarily in Spanish.

1 Credit

Prerequisite: Spanish III and Teacher Recommendation

Level 2

Grades: 11-12

WORLD LANGUAGES (2)

Students interested in an alternative to Spanish may take courses with our online partner, Educere. These language classes will enable students to learn about everyday life in different parts of the world. Students will be able to engage in basic conversations, read authentic materials and write about themselves and others. Students will learn about the different customs of countries, and develop an understanding and appreciation of other world languages and cultures. **These very challenging computer-based courses are completely independent, and require students to have a strong work ethic and solid organizational skills. Students must complete 100% of the coursework to earn credit, and must complete the course by the established due date. Students unable to meet the due date will be charged \$29 per week by Educere until the course is complete.**

Available Languages: French, Italian, Chinese, Latin, German, and Spanish for Spanish Speakers

1 Credit

Prerequisites: None

Level 2

Grades 9-12

ONLINE COURSE OPPORTUNITIES

Besides world languages, Educere offers many online courses in several areas of study, and students may take these courses on the following conditions:

- The course is not offered at Thomaston High School
- The student shows a genuine interest in the subject (student may want to major in this area in college, for example)
- The online course fits into their schedule
- Online courses are limited to 12 students per semester.
- Course requires a strong independent work habit.

1 Credit Prerequisites: None
Level 3 Grades 9-12

PORTFOLIO

The portfolio is designed for all students to demonstrate the achievement of the goals articulated in the Thomaston High School Mission Statement. Students will submit required evidence chosen from graded assignments (in any class) and/or documented activities that include an advisor's approval. Students will provide evidence from the following areas of the THS Mission Statement accompanied by a completed Summary Report Form. The evidence should reflect work that the student is proud to present.

Communicate Effectively through Speaking and Writing

- Students will show evidence of an oral presentation with a rubric and a grade of 80 or above or alternative evidence as approved by the advisor (i.e. Rotary speeches, election speeches, etc.).
- Students will provide one piece of writing from each of the following types of essays with a rubric and a grade of 80 or above: Persuasive, Literary Analysis, and Creative Writing.

Use a Variety of Technological and Informational Resources to Gather, Synthesize, and Present Data

- Students will provide two pieces of evidence (i.e. slideshows, projects using graphing calculator/computer, video projects, technology projects, etc.) with a rubric and a grade of 80 or above or with documented approval from an adult advisor (i.e. extra-curricular oral history projects, Digital Media and Movie Making, projects completed through Education Connection, etc.).

Apply Critical Thinking Skills to Interpret and Evaluate Information and Solve Problems through Rigorous and Creative Intellectual Activities

- Students will provide evidence from one activity from any discipline that demonstrates critical thinking and problem solving skills with a rubric and a grade of 80 or above (i.e. math projects, science lab reports, Eagle Scout project, etc.).

Work Collaboratively to Complete a Particular Educational Task

- Students will provide evidence from one activity from any discipline that demonstrates collaborative working skills with a rubric and a grade of 80 or above (i.e. group projects).

Set Challenging Goals, Perform Reflective Self-Assessment, and Utilize Positive, Appropriate Outlets for Self-Expression

- Students will perform fifty hours of volunteer community service by the end of senior year (9th=5, 10th=10, 11th=15, 12th=20).
- Students will engage in at least two THS extracurricular activities each year (i.e. sports, clubs, scouts, religious activities, community activities, etc.)
- Students will provide evidence from one class or an activity that would include a goal setting and a reflective self-assessment rubric, signed by a supervising adult (i.e. teacher, coach, advisor, etc.).

SENIOR CAPSTONE PROJECT

The Senior Capstone Project is designed to challenge learners by providing a true culminating activity to graduating Thomaston High School students. To this end, students will be challenged to work deeply within our school's Academic Expectations and Student Competencies, and students are required to fulfill their obligations to earn required credit for the project by successfully completing the following prospectus:

Proposal: Student identifies a thesis, topic, issue, or problem to be addressed; determines essential questions to be answered; designs methods of investigation or research; and describes the final form of the project.

Problem Solving: Student clarifies the problem, issue, or thesis; brainstorms and creates divergent approaches; gathers information through field studies, lab work, or research; analyzes results of the information gathered; and decides on the best approach.

Preparation for Public Presentation: Student organizes findings; determines effective modes of communicating results; produces video, spreadsheets, photographs, artwork, choreography, and/or synopsis pamphlets; and practices for the presentation.

Public Presentation: Student communicates project findings or results to the committee through two modes of communication and answers questions from the committee/audience.

Areas of Evaluation: • Curricular Knowledge and Skills • Research • Effective Communication • Use of Technology • Organization and Technicalities • Interpersonal Skills • Constructing Understanding from Old and New Knowledge • Commitment • Breaking Down Problems into Discrete Parts • Developing Defensible Conclusions and Judgments • Engaging in the Creative Process • Answering a Call to Citizenship in a Global Society

.5 Credit
Level 3

No Prerequisite: Required for Graduation

PARALEGAL STUDIES PROGRAM

You love courtroom and crime dramas. You've always wondered what it would be like to work in the legal field. Take your first step toward an exciting paralegal career with a legal studies certificate through our concurrent and dual enrollment program between Thomaston High School and Post University. Our program provides you with a comprehensive understanding of various specialized areas of the law and prepares you to work under the direction of attorneys in a variety of law firms, corporate legal departments, the court system, government agencies, nonprofits, and private industries. Certificate holders may get right to work or go on to complete their associate's degree or even pursue their bachelor's and master's degrees to further advance in their careers. **Some courses will be held at Thomaston High School, while others will be available online or at Post University. Students will need to provide their own transportation to Post University, and may be required to complete summer courses to fulfill the certificate requirements.**

CERTIFICATE IN PARALEGAL STUDIES

TOTAL COLLEGE CREDITS 30-33 college credits

CIS112 Introduction to Computing	3 crs.
LAW101 Introduction to Law	3 crs.
LAW105 Estate Administration and Probate Practice	3 crs.
LAW201 Real Estate Law and Practice	3 crs.
LAW203 Civil Litigation	3 crs.
LAW205 Legal Research	3 crs.
LAW204 Business Law I	3 crs.
LAW206 Business Law II	3 crs.
LAW209 Family Law	3 crs.
LAW298 Legal Studies Internship	3 crs.

OR

LAW405 Environmental Law
3 crs.

CIS112 Introduction to Computing

This course strives to meet the high level of computer literacy required of all students to succeed in the twenty-first century. Special emphasis is placed on the ethical use of computer technology for information analysis and communications. Students are introduced to the history of the internet, MS Windows, word processing, spreadsheets and presentation software.

LAW101 Introduction to Law

This Course is an introduction to the American Federal and State legal systems. Students will learn about the Constitution and the 3 Branches of Government it creates: Legislative, Executive, and Judicial. Topics include: jurisdiction, statutes, case law, and specific areas of the law.

LAW105 Estate Administration and Probate Practice

Students learn the role that wills, trusts and powers of attorney play in the management of personal assets. Further, students become thoroughly familiar with the procedures employed to open, manage, and close Decedents' Estates, Conservatorship, Guardianships, Small Estates, and Refusal of Letters.

LAW201 Real Estate Law and Practice

Students learn how to handle a real estate transaction from the drafting of the sales contract to the closing. Subjects covered include Notes, Mortgages and Deeds of Trust, Titles and Title Insurance, Recording Liens, Encumbrances, Foreclosures, and Easements.

LAW203 Civil Litigation

Students are introduced to all aspects of a civil lawsuit, including Jurisdiction, Rules of Procedure, Pleadings, Motions, Discovery, Trial Procedures, and the Appellate Process.

LAW204 Business Law I

This course covers Constitutional Law and the rights and duties that apply to business entities, as well as to individuals. Also covered are Tort Law, body and property injury, as well as harm to reputation in the business context; Criminal Law, specifically those areas pertinent to business, such as bribery and embezzlement; Intellectual Property Law, including copyright, patent and trademark laws; Contract Law, which encompasses sales contracts and the application of the Uniform Commercial Code, as well as common law contracts, such as employment contracts.

LAW206 Business Law II

This course continues the study of contracts and the Uniform Commercial Code and proceeds to Agency Law, which governs employer-employee fiduciary and contractual relationships. The Workers Compensation Act, including advantages and disadvantages to both employer and employee, is examined. Also covered are Sole Proprietorship, Partnership Law, both common and statutory provisions, Corporate Law and Bankruptcy.

LAW209 Family Law

This course focuses on issues involving family relationships and the legal rights and obligations of family members. Representative topics include marriage and divorce, the treatment of children, and related economic matters. This course also explores the importance of ethics in a family law practice.

LAW298 Legal Studies Internship

Students learn how to apply knowledge gained from Associate's in Legal Studies/Certificate in Paralegal Studies course work to the practical work of a legal practice setting. Students are required to meet 15 hours per semester in seminar meetings and to work in a legal practice setting, which could include law firms, corporate legal departments, or government agencies, for 120 hours.

LAW405 Environmental Law

This course covers relevant federal environmental laws and their application to current environmental issues. Specific areas of study include climate change, the Environmental Protection Agency, Clean Air Act, Clean Water Act, National Environmental Policy Act, and Endangered Species Act.

BRISTOL TECHNICAL EDUCATION CENTER

Purpose:

The programs at the Bristol Technical Education Center (BTEC) prepare students for entry-level employment or for higher education through theoretical and hands on experiences to serve the needs of business and industry.

Bristol Tech does not offer core courses required for graduation. Therefore, the following courses must be taken at Thomaston High School:

- English 11 and English 12
- Civics (.5)

Courses will be completed from 7:25 a.m. until 8:45 a.m. at Thomaston High School prior to bus pick up. Should students be behind in credits, they will be required to recover any credits needed for graduation.

Program:

BTEC offers a ten-month intensive program in each technical area, which is open to junior or senior high school students. Upon successful completion of the program, students receive a Technical Certificate. In addition to the technical training, students enrolled in the BTEC program will need to complete their core subject classes at Thomaston High School through an on-line computer program.

Tuition:

There is no tuition for high school students. All students must obtain the basic tools needed in their technical area and are expected to purchase clothing and equipment necessary to meet certification and safety requirements.

Admission Procedures:

Any individual who wishes to be considered for admission to the Bristol Technical Education Center must file a Bristol Technical Education Center application form, which is available through the Guidance Department in the high school. Students must also complete a day shadowing at BTEC, which is arranged through the guidance department.

Students must carefully schedule their courses in conjunction with their counselor beginning with the sophomore year in order to meet the necessary scheduling requirements.

Selection of applicants is determined by a cooperative effort between sending school counselors and the Bristol Technical Education Center Guidance Department on the basis of the following criteria: completion of the necessary state and high school requirements, academic achievement, attendance, interview, and availability of openings in the desired trade area.

Programs at Bristol Tech:

- *Automotive Technology*
- *Culinary Arts*
- *Electronics*
- *Heating, Ventilation, Air Conditioning and Refrigeration (HVACR)*
- *Manufacturing Technology*
- *Welding/Metal Fabrication*

Technology Course Descriptions:

Automotive Technology – The automotive area offers instruction in the diagnosis and service techniques for motor vehicles. The first semester consists of a laboratory program where theory instruction is combined with practical application on operational jobs and projects. The second semester consists of theory programs with actual service and repair of late model customer- owned vehicles. The student works in a service atmosphere under the supervision of an instructor.

Culinary Arts – Students train to enter the culinary arts field as apprentice cooks, chefs or bakers in the hotel and restaurant industry. The course provides instruction in planning and preparing menus. Instruction emphasizes recipes, proper food preparation, baking, ordering, inventory control, dining room management and banquet and catering service. The total program is planned to raise the level of student proficiency through both production and individual dining experience. A modern cafeteria kitchen serves as the training area for the program.

Electronics – Students receive instruction in AC/DC theory, motors and motor controls, with emphasis on solid-state devices, digital electronics theory, and practical troubleshooting and servicing of electronic equipment. Electricity and house wiring is also covered. Students apply the above to the repair, troubleshooting and servicing of electronic equipment, office machines and computers. Students receive credit toward an apprenticeship in the electrical field.

Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) – Students receive instruction in a broad range of environmental control areas, including heating, cooling and refrigeration systems. This includes basic electricity, circuitry, troubleshooting and the methods used for the installation of types of heating, cooling and refrigeration systems. Instruction is given on commercial and residential central air conditioning, ventilation, boilers and burners. Students receive credit toward apprenticeship in air conditioning, heating, cooling, oil burners or plumbing. EPA Certification is also offered.

Manufacturing Technology – The Manufacturing Technology Program provides instruction on metal millers, grinders, lathes, and computer numerical machinery (CNC). The machines contain computer controllers that direct the machine's operation. Theory is taught every day and is directed to all phases of information needed to use the various machines and machine accessories, as well as, set up and operational procedures. The remainder of the day is project oriented, and the students make the tools necessary, such as V-blocks, 1-2-3 blocks and drill gauges.

Welding – The welding profession is a very important part of the manufacturing and construction field. Students receive training in all phases of welding including: Oxyacetylene Cutting and Brazing, Shielding Metal-Arc, M.I.G., T.I.G., and Plasma Cutting and Welding. Students receive instruction in shop math, blueprint reading, welding theory and safety. The students are exposed to fabrication and repair through production work and projects using various types of metals. Certification is available for students who successfully complete the course.

