Ansonia High School
Program of Studies















2026-2027

Ansonia Public Schools

VISION OF A GRADUATE



Critical Thinker

Takes initiative in learning, stays curious, and critically analyzes information to make informed decisions.

Applies knowledge to solve real-world problems, adapt to challenges, and learn from mistakes.

Responsible Citizen

Takes responsibility for actions, engages respectfully in the community, and contributes to positive change.

Demonstrates empathy and works collaboratively to build relationships and support others.

Communicator & Collaborator

Expresses ideas clearly, listens actively, and engages in meaningful discussions while valuing different perspectives.

Collaborates effectively by using feedback to refine ideas, improve teamwork, and achieve shared goals.

Emotionally Intelligent

Recognizes, regulates, and reflects on emotions to make thoughtful decisions and respond effectively.

Demonstrates empathy, builds strong relationships, and navigates challenges with resilience.

Welcome to the 2026-2027 School Year at Ansonia High School!

Whether you're a returning student or joining us for the first time, I want to welcome you to another exciting year at Ansonia High School! Our goal is to create a learning environment where every student feels supported, challenged, and inspired to reach their full potential.

I'm excited to introduce you to our **Program of Studies**, designed to help you navigate your educational journey. At Ansonia, we believe in a well-rounded, rigorous education that prepares you not just for college but also for a successful career pathway. No matter your interests—whether in STEM, the humanities, the arts, or vocational studies—you'll find courses and programs that challenge and excite you. Our dedicated teachers and staff are here to support you every step of the way.

We also take great pride in our extracurricular programs, including athletics, clubs, and community service opportunities. Whether you're competing on the field, participating in a club, or giving back to the community, there's something here for everyone.

At Ansonia High School, we celebrate our diversity, knowing it makes us stronger as a school community. We're committed to helping you make informed decisions about your future, whether that means pursuing higher education, entering the workforce, or serving in the armed forces. Our educators and counselors are here to guide and support you as you take the next steps toward your goals.

I can't wait to see what this year holds for all of us. Let's make 2026-2027 a year of growth, learning, and unforgettable memories—together!

Sincerely,

Paul Giansanti

Paul Giansanti
Principal, Ansonia High School

Thank you to Mrs. Cianciolo's Graphic Arts I classes for their creativity in designing the 2026–2027 Program of Studies cover, and congratulations to this year's winner, Gi'Anni Candelario, for her outstanding design!

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Ansonia High School's Comprehensive School Counseling Program

At Ansonia High School, we believe that every student deserves the support, guidance, and resources needed to grow academically, personally, and professionally. That's why our **Comprehensive School Counseling Program** is designed to meet the unique developmental needs of all students. With a focus on lifelong learning, we help students unlock their full potential in three key areas:

📚 Academic Development

Our goal is to equip students with the skills, strategies, and positive mindset needed to thrive in school and beyond. Through a supportive and engaging learning environment, students will not only achieve academic success but also understand how their education connects to the world of work, home, and the community.

🎓 College & Career Pathway Development

Preparing for the future is an exciting journey, and we are here to guide students every step of the way. Whether they choose to enter the workforce or pursue post-secondary education, our counseling program helps students explore career paths, set goals, and develop the skills needed for a successful transition beyond high school. From college awareness and application support to career exploration and goal setting, we provide a strong foundation for every student's future.

💡 Personal & Social Development

Success isn't just about academics—it's also about personal growth and meaningful connections. Our program helps students build confidence, develop strong relationships, and gain essential life skills that will help them navigate adulthood. We emphasize the importance of self-respect, respect for others, and the ability to make safe and responsible choices as contributing members of society.

Personalized Support for Every Student

Every AHS student receives individualized support through a **Student Success Plan**, developed in partnership with their **Advisory Teacher, School Counselor, and parent(s)/guardian(s)**. This plan reflects each student's unique needs, interests, and future goals, ensuring a meaningful connection to school and a clear path toward post-secondary success.

We strongly encourage students to meet with their **school counselors regularly**, starting in **9th grade** and continuing through senior year. Counselors also assist with **course selection and scheduling**, offering one-on-one planning sessions to help students make informed choices. In addition, counselors provide classroom-based lessons tailored to each grade level, covering topics such as college planning, the application process, and financial aid.

Exciting College & Career Opportunities

To further support students' college and career journeys, we organize an **Annual College Fair** and host weekly, small group **visits from college admissions counselors**, many of whom read and evaluate our students college applications In addition and in cooperation with our College and Career Advisor and CTE department, we **host guest speakers**, **visit workplaces**, and **tour college campuses**, giving students valuable opportunities to explore their options, connect with professionals, and gain insight into their future pathways.

Your School Counselor is Here for You!

Each student is assigned a dedicated school counselor who is available to provide guidance and support throughout high school. If a student has an urgent concern and their assigned counselor is unavailable, our guidance secretary will ensure they receive assistance from an available school support staff member. We are dedicated to supporting every student in achieving their academic, personal, and career goals. Whether you're planning for college, exploring career paths, or developing important life skills, we're here to help you every step of the way.

Counselor	*Students with Last Name Beginning:* *(Subject to minor changes based on enrollment)*
Mrs. Erin Corso, Lead	Grades 10-12: **Mc-Z**
Mrs. Nadine Crowder	Grades 10-12: **A-Ma**
Ms. Wendy Chin	Grade 9 & PACE: **All**

Freshman Academy

Ansonia High School's Freshman Academy supports a smooth transition from middle school to high school. The Academy provides team teaching, which enables staff to support students in their core courses at a greater capacity, and allows for a continuous review of academic expectations and strategies.

All freshman will be enrolled in the following courses for 6 full credits

1. *English I*
2. *Algebra I, Algebra I Part A, or Honors Geo*
3. *General Science or Honors Bio*
4. *Global History I & II*
5. *Freshman Seminar S1 & S2*
6. *PE & Personal Health*

Additional elective courses available to 9th grade students

Humanities: English
Poetry: From The Epic to Hip-Hop
Global Cinema
Creative Writing

Humanities: Music
Band I
Chorus I
Classical Piano I / II

Humanities: Art
Art I / II

Humanities: Other
Intro to Business Editing and Publishing

STEM: Science & Math
ECE Intro to Allied Health
Introduction to Astronomy

STEM: CTE Tech Ed
Introduction to Technology
Tech Ed I
Tech Ed II
Intro to Engineering Design
Graphic Arts Production I
Graphic Arts Production II

STEM: CTE Business & Finance
Computer Applications I & II
Intro to Business Editing and Publishing

World Language
Spanish I
Mandarin I

Additional courses required for some students through the PPT process, ESOL state statutes or based on summative standardized test scores, teacher recommendation and / or classroom performance

♦ Developmental Reading ♦ Math Lab ♦ RRI & RR II ♦ ML I, II, & III ♦

Course Recommendations

Teachers make course placement recommendations for students in English, Social Studies, Mathematics, Science and Advanced Placement courses. These recommendations are based on the student's past academic achievement and performance on standardized assessments. Recommendations are also based on the teacher's knowledge of the student, curriculum and course expectations. However, students and parents have the opportunity to override or underride a teachers' recommendation. If the student is not successful in the desired course, a schedule change back to the originally recommended course will be considered based within the first two weeks of school only.

Course Changes (Add/Drop)

The procedure for schedule changes for full-year courses and semester courses are as follows:

- ➔ Any request for a course change must be made within the first two weeks of the start of Semester 1 and the first week from the start of Semester 2.
- ➔ Students must carry 6.5 credits each school year.
- ➔ Student-requested changes after two weeks will be recorded as WF (withdrawn-failing) on all permanent records and no credit will be given. (This notation will be made even if the student is passing the course at the time of the change).
- ➔ The Add/Drop form is a Google form and posted in Google Classrooms and via Parent Square.
- ➔ Students must attend all classes on their schedule until the Add/Drop form has been approved.

Independent Study

Students may request an Independent Study for up to one course per semester (.5 credit) or one course per year (1 credit). * It is the responsibility of the student to complete the Independent Study Request form, arrange supervision of the study with an appropriate teacher, and obtain approval from the principal. Requests must be filled out and approved by the teacher, counselor, lead teacher, and principal within two (2) weeks of the start of a semester.
*Exceptions will be considered on a case-by-case basis by the Principal when special circumstances warrant such consideration.

Internship

A student who has a career interest may arrange to intern in that area. The student is expected to make arrangements with a mentor to supervise the internship. One credit is awarded upon completing at least 150 hours, equivalent to a full-year course, while 0.5 credits are granted for 75 hours, equivalent to a half-year course. Additionally, students must submit a report and deliver a formal presentation demonstrating what they have learned through the exper. Students will be graded on a Pass/Fail basis. Requests must be filled out and approved by the teacher, counselor, lead teacher, and principal within two (2) weeks of the start of a semester. *Exceptions will be considered on a case-by-case basis by the Principal when special circumstances warrant such consideration.

Summer School Credits

In order to encourage maximum learning opportunities, students who fail a course at Ansonia High School may earn summer school credit with the following stipulations:

- ❖ Students may attend summer school for a maximum of two credits per academic year.
- ❖ Only students whose final grade is between 50-59 (F+) will be allowed to enroll in a summer course.
- ❖ Students must attend a state approved summer school.
- ❖ Students must present an official statement of successful completion of the course and/or an official transcript to their guidance counselor.
- ❖ The summer school grade will be included on the student's permanent record along with the original grade received.
- ❖ Summer school passing grades will be entered as grade earned.

*Exceptions will be considered on a case-by-case basis by the Principal when special circumstances warrant such consideration.

Grade Level Advancement

Advancement to the next grade level depends upon the accumulation of a specific number of credits. Students who have not earned the specific credits will not be assigned to or categorized with the succeeding class:

To enter grade 10 (sophomore)	**6 total credits**
To enter grade 11 (junior)	**12.5 total credits**
To enter grade 12 (senior)	**19.5 total credits**
To graduate	**25 total credits**

Graduation Requirements

To graduate from Ansonia Public Schools a student must successfully complete a minimum of twenty-five (25) credits and must meet the credit distribution requirements described below. Students must also meet basic skills standards in three areas: Literacy and Numeracy as measured through standardized testing and/or coursework, and Civic and Social Responsibility by the successful completion of the required civics course. Students will be required to complete 25 hours of community service.

Humanities		**STEM**	
English	**4.0**	Math	**4.0**
Social Studies (must pass US History and Civics)	**3.0**	Science	**3.0**
Humanities Electives	**2.0**	STEM Electives	**2.0**
World Language	**1.0**	**Life Skills**	
Health & Wellness		Computer Literacy	**.5**
Physical Education	**1.0**	Financial Literacy	**.5**
Personal Health 1 & 2	**1.0**	**Freshman Seminar**	**1.0**
Additional Electives	**2.0**	**Community Service**	**25 hrs**
		TOTAL CREDITS NEEDED: 25	

Graduation - Basic Skills Standards

- *Literacy*: The AHS student demonstrates the ability to read and write proficiently when accessing, processing, and communicating information.

- *Numeracy*: The AHS student demonstrates the ability to complete basic math operations including fractions, percents, decimals, and exhibits an understanding of basic data interpretation.

- *Civic and Social Responsibility:* The AHS student demonstrates an awareness of the rights and responsibilities of citizenship by the successful completion of the required Civics course. For the classes of 2025 and beyond, students must complete 25 hours of community service.

Graduation - Standardized Testing Requirements

- All freshmen take the PSAT 8/9
- All sophomores and juniors take the PSAT/NMSQT.
- All juniors will take the SAT on the statewide SAT school day in the spring.
- All juniors will take the NGSS in the spring.
- All students taking an AP class are expected to take the corresponding AP exam in May.

Graduation - Exemptions

Students who transfer into Ansonia High School after completing at least three years in another district may be exempted from the performance standards requirement for graduation. Students with special needs may be given an alternative performance task, or may be exempted from certain requirements if so indicated in their Individual Education Plan. **A STUDENT MAY BE EXEMPTED FROM MEETING ANY AND ALL OF THE BASIC SKILLS GRADUATION STANDARDS AT THE DISCRETION OF THE SUPERINTENDENT OF SCHOOLS*.

Martin Luther King Jr. Community Service Requirement

Twenty-five (25) hours which is the equivalent of .25 credit of Community Service will be **required** for graduation. Each 100 hours of successful voluntary, non-paid community service in an approved school or community/social service agency allows the student to earn one credit. Students are allowed to earn partial credit based on the number of hours served (i.e., fifty = 0.5 credits). Students may earn up to two (2) graduation credits by participating in a planned program of school and/or community service. The Program Coordinator or School Counselor will provide specific details about the program. Verification forms are available in the Guidance Office. The 25 required hours must be completed by the end of semester one of a student's senior year.

TO AVOID ANY CHANCE that a student will perform hours that will not be acceptable, students must have the proposed community service pre-approved by their school counselor if it is a service not listed in the chart below. (Refer to the AHS Community Service Verification Form)

- Students may complete their community service hours at any time during grades 9-11 based on pre-approval by the coordinator.
- Grade 12 students must complete hours by January of senior year
- Community service hours should be turned in upon completion of the community service activity. If the activity is ongoing we recommend that hours be turned in on a semester or yearly basis for record keeping purposes.
- Students must serve their planned program in a school or 501c3 non-profit community/social service agency or governmental entity. Below is a list of *suggested* sites. All other sites must be approved.

Any Ansonia Public School (*see below)	Non-Profit Agencies	Hospitals
Exchange Club Events	Senior Centers	Nursing Homes
Rotary Club Event	Goodwill	Lions Club Events
Animal Shelters	Fire/Police Dept.	Ansonia Public Library
Ansonia Historical Society	Police Explorers	Church Functions
Ansonia Youth Services & Recreation	YMCA	Soup Kitchens
American Red Cross	Food Banks	Special Olympics
Boys & Girls Club	Salvation Army	Elks Club Events
*At AHS: Peer Tutoring, Human Relations Club, Team Managers, Best Buddies, Blood Drives, and Parent Evening Events, After School Volunteer Program		

- ***Unacceptable forms of service include:*** Family related activities or businesses; odd jobs for neighbors or relatives; detention facilities; any activities that violate child labor laws; service rendered as a prerequisite for employment, service which allows the student to barter for other personal benefits; services which put the student in harm's way; activities which leave the student unsupervised or working only with an employee who is not in a supervisory position; private home daycares or business. A student cannot volunteer for work that is normally done by a paid employee, even if the student does the work for free. The following examples would NOT be accepted as community service:
    - ❖ Working at any business to help out with work (the business is for profit)
    - ❖ Helping out at a dance studio or gym
    - ❖ Helping out at a local day care business
    - ❖ Watching siblings or an older relative
- Community service must be performed during non-school hours, except for students who perform community service during their lunch breaks or study halls, such as peer tutors or through a club sponsored activity.
- Students may not be paid or receive any remuneration for their services. Community service hours cannot be hours served for other purposes.
- Credit will be awarded when proper documentation from the on-site supervisor is received. Paperwork must be completed by an adult employee working in a supervisory capacity.
- When documentation of successful completion is received, the coordinator will complete the paperwork to award credit and the interpersonal skill graduation performance standard as applicable. Students must complete 25 hours to receive .25 credit. Twenty-five hours will fulfill part of the required 21st Century Learner Civic Expectation graduation requirement.
- It is the responsibility of the student to obtain the forms and to return the completed forms to the coordinator. Ansonia High School will not mail or retrieve forms for students.
- Students are not allowed to do court ordered community service at AHS and cannot count court ordered community service toward credit.
- **Transfer Students:** Students who transfer to Ansonia High School will have their community service hour requirements adjusted based on their grade level at the time of enrollment. The sliding scale is as follows:
    - ○ Grade 11, Semester 1: 20 hours
    - ○ Grade 11, Semester 2: 15 hours
    - ○ Grade 12, Semester 1: 10 hours
    - ○ Grade 12, Semester 2: 5 hours
    - ○ All other transfer students who enroll **before** Grade 11, Semester 1 must complete the full 25-hour community service requirement to graduate.

Diploma of Distinction

In addition to meeting the standard graduation requirements, candidates for Diploma of Distinction have fulfilled the following:

- ★ Top 20% of the class
- ★ Completion of the SAT
- ★ 4 credits in Math, Science, English, Social Studies
- ★ 3 credits World Language
- ★ 1 credit Vocational Education and/or the Arts

Levels and Credits

Advanced Placement (AP) - Level "0" Ansonia High School offers an ever-increasing number of Advanced Placement courses to a wide variety of students. Established and administered by the College Board, this challenging and exciting academic program allows students the opportunity to demonstrate to themselves and others that they accept the rigor of college level coursework and can

maintain consistent achievement. Culminating with an AP examination, each course affords students the added opportunity to attain college credit. Students enrolled in Advanced Placement courses register for the exam in fall and prepare to take the respective AP exams in May. Sitting for AP exams are a required component for the AP designated class. Advanced reading, numeracy, and writing skills are essential. *Ansonia High School offers the following AP courses:*

- AP English Language & Composition
- AP/ECE U.S. History
- AP Psychology
- AP Calculus
- AP/ECE Statistics
- AP Computer Science
- AP/ECE Biology
- AP/ECE Environmental Science

*ECE - Level "0" (*unless indicated)* Similar to AP, University of Connecticut Early College Experience (ECE) provides students with a rigorous and fast paced college level curriculum to earn both high school and college credit. Advanced reading, numeracy, and writing skills are essential.

- ECE Seminar in Writing and Multimodal Composition
- AP/ECE U.S. History
- AP/ECE Statistics
- AP/ECE Biology
- ECE Chemistry
- ECE Physics
- AP/ECE Environmental Science
- ECE Oceanography
- ECE Medical Terminology
- ECE Intro to Allied Health
- ECE Intro to Public Health

Grade Point Average (GPA)

A grade point average is a number representing the average value of the accumulated final grades earned in courses over time.

Weighted GPA

Used in GPA calculations, gives students a numerical advantage for grades earned in higher-level courses. ***Ansonia High School reports a weighted GPA.***

Level - 0 AP/ECE	4.50 pt. scale
Level - 1 Honors / HCC	4.25 pt. scale
Level - 2 College Prep	4.00 pt. scale
Level - 3 Academic	3.75 pt. scale

➢ *Honors - Level "1"* Honors level courses provide students with challenging, fast paced high school and in some cases college level curriculum, instruction, and assessment. Well developed reading, numeracy, and writing skills are essential.

➢ *College Prep - Level "2"* College prep level courses enable students to develop and demonstrate skills on grade level. Instruction and assessment of grade level reading, numeracy, and writing skills are emphasized.

➢ *Academic - Level "3"* Academic level courses provide students with grade level high school curriculum, instruction, and assessment, often individualized to meet student learning needs or styles. Instruction and assessment emphasize developing and strengthening students' skills in reading, numeracy, and writing.

➢ *Pass/Fail - Level "4"* Pass or Fail courses allow students to earn high school credit without a specific grade. They are not calculated into a GPA and often include student internships.

Grade		Level - 0	Level - 1	Level - 2	Level - 3	Grade		Level - 0	Level - 1	Level - 2	Level - 3
		AP / ECE	Honors	College Prep	Academic			AP / ECE	Honors	College Prep	Academic
A+	100	4.50	4.25	4.00	3.75	C+	79	3.00	2.75	2.50	2.25
A+	99	4.44	4.19	3.94	3.69	C+	78	2.92	2.67	2.42	2.17
A+	98	4.38	4.13	3.88	3.63	C+	77	2.83	2.58	2.33	2.08
A+	97	4.31	4.06	3.81	3.56	C	76	2.75	2.50	2.25	2.00
A	96	4.25	4.00	3.75	3.50	C	75	2.69	2.44	2.19	1.94
A	95	4.19	3.94	3.69	3.44	C	74	2.63	2.38	2.13	1.88
A	94	4.13	3.88	3.63	3.38	C	73	2.56	2.31	2.06	1.81
A	93	4.06	3.81	3.56	3.31	C-	72	2.50	2.25	2.00	1.75
A-	92	4.00	3.75	3.50	3.25	C-	71	2.42	2.17	1.92	1.67
A-	91	3.92	3.67	3.42	3.17	C-	70	2.33	2.08	1.83	1.58
A-	90	3.83	3.58	3.33	3.08	D+	69	2.25	2.00	1.75	1.50
B+	89	3.75	3.50	3.25	3.00	D+	68	2.17	1.92	1.67	1.42
B+	88	3.67	3.42	3.17	2.92	D+	67	2.08	1.83	1.58	1.33
B+	87	3.58	3.33	3.08	2.83	D	66	2.00	1.75	1.50	1.25
B	86	3.50	3.25	3.00	2.75	D	65	1.94	1.69	1.44	1.19
B	85	3.44	3.19	2.94	2.69	D	64	1.88	1.63	1.38	1.13
B	84	3.38	3.13	2.88	2.63	D	63	1.81	1.56	1.31	1.06
B	83	3.31	3.06	2.81	2.56	D-	62	1.75	1.50	1.25	1.00
B-	82	3.25	3.00	2.75	2.50	D-	61	1.69	1.44	1.19	0.94
B-	81	3.17	2.92	2.67	2.42	D-	60	1.63	1.38	1.13	0.88
B-	80	3.08	2.83	2.58	2.33	F	0-59	0	0	0	0

Ansonia High School Partnerships in Higher Education

- *UConn Early College Experience (ECE)* - UConn Early College Experience is an opportunity for students to take college courses while still in high school. Every UConn ECE course is equivalent to the same course at the University of Connecticut. UConn ECE courses are taught in the high school by certified instructors who serve as UConn adjunct faculty members. Since UConn ECE is a concurrent enrollment program, students gain both high school and university credit for each UConn course taken at their high school.

- *CT State Community College* - Ansonia High School students have the opportunity to participate in CT State Community College's "College Career Pathways Program," whereby various CCP courses are taught at Ansonia High School by our staff. The collaboration has three specific objectives:
    - To encourage high school students to pursue post-secondary education
    - To provide a smooth transition from high school to college
    - To build the confidence and competence within each participant that ensures that they are prepared to succeed on a higher educational level
    - With a grade of C or better, and course specific guidelines, three transferable college credits may be attained for each course taken.

- *Southern Connecticut State University (SCSU)* - AHS students, interested in a career in Education, have the opportunity to participate in SCSU education courses taught by AHS faculty at Ansonia High School. Students who are successful in the SCSU education courses will have earned 3 dual enrollment credits.

- *University of New Haven* - Ansonia High School students accepted to the University of New Haven will receive a minimum scholarship of $18,000 per year and students accepted with a 3.3 cumulative GPA or above will receive a minimum merit-based scholarship of $20,000 per year, renewable for up to four full academic years. In addition, the University of New Haven supports the *Project Lead The Way* program offered here at Ansonia High School. As a PLTW certified school, Ansonia High School students can get a head start on engineering-related careers and add prestige to their college admissions applications by receiving college credit from the University of New Haven. Students must earn at least 70% average in the course: (Introduction to Engineering Design (2 credits), Digital Electronics (3 credits), Principle of Engineering (3 credits), or Engineering Design and Development (2 credits) and must also score adequate grades at the End of the Course assessment administered by PLTW.

- *University of Bridgeport* - UB's Dual Enrollment /Early College Credit Program is an opportunity for Ansonia High School students to earn college credit while attending classes here at school. Approved courses taken under UB's DE/ECC Program will be awarded academic credit equal to the same course at the University of Bridgeport.

- *Kings College* - Ansonia High School students applying to Kings College with a minimum of a 2.75 weighted GPA and either 960 SAT (EBRW & Math) with a 480 or above in each section or a 21 ACT composite are directly admitted. Students who meet the above criteria will receive, at minimum, a $16,000 annual award for 4 years which totals $64,000. Direct admission into the Physician Assistant program and Engineering program, which includes a possible 3/2 agreement with the University of Notre Dame, requires additional credentials.

Dual Enrollment Courses Offered at Ansonia High School

CT State Community College *(ALL Connecticut Community College campuses including but not limited to: Housatonic, Gateway, Naugatuck Valley, etc)*		
AHS Course Title	**CT State Course Title**	**Credit**
CCP Accounting I	ACC E113L: Accounting	3
CCP Marketing	BMK E201: Marketing	3
CCP Advanced Computer Concepts	CSA 105: Computer Applications	3
CCP Foundations of Business	BBG 101: Intro to Business	3
Blueprint Reading I	MFG E124: Blueprint Reading I	2
SolidWorks	MFG E110: SolidWorks	3
Benchwork	MFG 166: Benchwork	1

Southern Connecticut State University		
AHS Course	**SCSU Course Title**	**Credit**
Future Educators II	EDU 200: Teachers Schools & Society	3

University of Bridgeport		
AHS Course	**UB Course Title**	**Credit**
Intro to Exercise Science	HSCI 260: Introduction to Exercise Science	3
ACE Personal Trainer	HSCI 324: ACE Personal Trainer	3
Intro to Criminal justice	CJHS 118: Introduction to Criminal Justice	3
UB Precalculus	MATH-109: Precalc Math	4
Composition and Rhetoric	ENGL-101: Academic Writing	3

University of Connecticut		
AHS Course	**UConn Course Title**	**Credit**
ECE Eng Seminar	ENGL 1007: Seminar in Writing and Multimodal Composition	4
AP/ECE U.S. History	HIST 1501: United States History to 1877	3
	HIST 1502: United States History since 1877	3
ECE Statistics	MATH 1100Q Elementary Concepts of Statistics	4

AP/ECE Biology	BIOL 1107: Principles of Biology I	4
ECE Medical Terminology	AH 2001: Medical Terminology	2
ECE Intro to Allied Health	AH 1100: Introduction to Allied Health Professions	1
ECE Chemistry	CHEM 1127Q: General Chemistry I	4
AP/ECE Environmental Science	NRE 1000E: Environmental Science	3
ECE Intro to Oceanography	MARN 1002: Introduction to Oceanography	3
ECE Physics	PHYS 1201Q: General Physics I	4
ECE Introduction to Public Health	PUBH 1001: Introduction to Public Health	3

University of New Haven		
AHS Course Title	**UNH Course Title**	**Credit**
Introduction to Engineering Design (IED)	MECH1101: Engineering Graphics	2
Principles of Engineering (POE)	EASC1107: Introduction to Engineering	3
Digital Electronics (DE)	ELEC1155: Digital Systems Logic Design	3

For dual enrollment credits earned at Ansonia High School, after graduation, seniors should request that their dual enrollment college send a transcript for transfer credit to the college in which they enroll.

NCAA Athletic Eligibility Rules and Academic Requirements

If you want to compete at an NCAA Division I or II school, you must register with the Eligibility Center and meet academic and amateurism standards set by NCAA members.

Division I Academic Standards	**Division II Academic Standards**
Earn 16 NCAA-approved core-course credits in the following areas: ★ Four years of English. ★ Three years of math (Algebra 1 or higher). ★ Two years of science (including one year of lab, if offered). ★ One extra year of English, math or science. ★ Two years of social science. ★ Four additional years of English, math, science, social science, world language, comparative religion or philosophy.	Earn 16 NCAA-approved core-course credits in the following areas: ★ Three years of English. ★ Two years of math (Algebra 1 or higher). ★ Two years of science (including one year of lab, if offered). ★ Three extra years of English, math or science. ★ Two years of social science. ★ Four additional years of English, math, science, social science, world language,

	comparative religion or philosophy.
Complete your 16 NCAA-approved core-course credits in eight semesters from your initial start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.	Earn a minimum 2.2 core-course GPA.
Meet the 10/7 requirement by completing 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester.	
Earn a minimum 2.3 core-course GPA.	

State of Connecticut Career Clusters

A career cluster, as defined by the U.S. Department of Labor, is a group of related occupations and industries that share common skills, knowledge, and career pathways. Career clusters help students and job seekers explore different career options and determine the education and training needed for various professions. The National Career Clusters Framework consists of 16 career clusters, which cover a wide range of industries, including healthcare, information technology, finance, manufacturing, and more.These clusters help individuals plan their career paths based on interests, skills, and job market demand.

Ansonia High School offers a variety of courses that provide a foundation of knowledge for each career area. In addition to required English, math, science and social studies courses, below are suggested courses to take for specific career clusters, although many courses can cross multiple career areas. It is recommended that students use this chart as a point of reference when conferencing with his/her school counselor about appropriate course selection and post-secondary planning.

Agriculture, Food and Natural Resources Foods I, Foods II, Introduction to Professional Cooking, AP Environmental Science, Marine Biology, ECE Oceanography,

Architecture and Construction Tech Ed I, II, III, Intro to Engineering, Principles of Engineering, Blueprint Reading, SolidWorks, Benchworks, Graphic Arts Production II & II, Electronics Graphics CAD, Electrical Circuits

Arts, Audiovisual Technology and Communications Art I, Art II, Graphic Arts Production II & II, Digital Electronics, Ceramics I, Ceramics II, Journalism I-IV, Intro to Business Editing and Publishing I & II, Journalism, Graphic Novel, Music Technology, Video Communications, Poetry in Transition, Global Cinema

Business, Management and Administration Intro to Business Editing and Publishing, Business Editing and Publishing I & II, Business of Sports and Entertainment, Computer Applications I and II, HCC Accounting, HCC Marketing, Entrepreneurship, Personal Finance I & II, Foundations of Research & Writing, Foundations of Business, Global Business and Society, Advanced Computer Concepts

Education and Training Future Educators I & II, Intro and AP Psychology, Journalism, Graphic Novel, Foundations of Research & Writing, Life Skills Assistant, African American/Black and Puerto Rican/Latino Studies, Sociology, Contemporary Issues, Poetry in Transition, Global Cinema

Finance Personal Finance I and II, Accounting, Entrepreneurship, Consumer Economics

Government and Public Administration Civics/Government, Contemporary Issues, Journalism, Foundations of Research & Writing, Criminal Justice, Crisis Communication and Social Media, Cybercrime, African American/Black and Puerto Rican/Latino Studies, Global Cinema

Health Sciences Anatomy & Physiology, Microbiology, Advanced Physical Education, Intro to Forensics, Foundations of Research & Writing, Medical Terminology, Intro to Allied Health, Intro to Exercise Science

Hospitality and Tourism Entrepreneurship, Journalism, Foods I & II, Professional Cooking, Marketing, Video Communications, African American/Black and Puerto Rican/Latino Studies, Global Cinema, Contemporary Issues

Human Services AP / Intro to Psychology, Sociology, Foundations of Research & Writing, Future Educators, African American/Black and Puerto Rican/Latino Course of Studies, Global Cinema, Contemporary Issues

Information Technology Computer Applications I and II, Advanced Computer Concepts, Intro to Computer Science, AP Computer Science, Graphic Arts Production I & II, Digital Electronics, Computer Applications for Technology, Understanding the Media, Music Technology, Video Communications, Global Cinema

Law, Public Safety, Corrections and Security Contemporary Issues, Criminal Justice, Sociology, Intro / AP Psychology, Journalism, Intro to Forensics, Graphic Novel, Foundations of Research & Writing, African American/Black and Puerto Rican/Latino Studies, Global Cinema

Manufacturing Tech Ed I, II, III, Intro to Engineering Design, Principles of Engineering, Aerospace Engineering, Blueprint Reading, SolidWorks, Benchwork, Advanced Computer Concepts, Intro to Computer Science, Foundations of Business, Graphic Arts Production I & II

Marketing, Sales and Service
HCC Marketing, Entrepreneurship, Global Business and Society, African American/Black and Puerto Rican/Latino Course of Studies, Global Cinema, Video Production

Science, Technology, Engineering and Mathematics (STEM) Computer Applications I and II, Advanced Computer Concepts, Intro to Computer Science, Graphic Arts Production I & II, Digital Electronics, Physics, Aerospace Technology, AP Environmental Science, ECE Oceanography, Anatomy & Physiology, Microbiology, Intro to Forensics, Astronomy, Tech Ed I, II and III, Intro to Engineering Design, Principles of Engineering, Aerospace Engineering, Blueprint Reading, SolidWorks, Music Technology, Computer Applications for Technology, Electronics Graphics CAD, Electrical Circuits

Transportation, Distribution and Logistics
Physics, Aerospace Technology, Contemporary Issues

ENGLISH DEPARTMENT

Course Summary

Grade Level				Course Name	Credit
			9	English I / Honors English I	1
		10		English II / Honors English II	1
	11			AP Lang & Comp	1
	11			English III / Honors English III	1
	11			Reading Between the Lines: SAT EBRW Prep	0.5
12	11	10	9	Global Cinema I	0.5
12	11	10	9	Creative Writing	0.5
12	11	10	9	Poetry in Transition: From The Epic to Hip-hop	0.5
12	11	10	9	Developmental Reading & Writing	0.5
12	11	10		Graphic Novel	0.5
12				ECE ENGL 1007: Seminar in Writing	1
12				Composition and Rhetoric (UB Eng 101)	1
12				Multi-Cultural Lit	0.5
12				Pop Literature	0.5
12				Practical Literacy	0.5
12				Senior Comp	0.5
12				UND the MEDIA	0.5

ENGLISH: CORE

English I **Level 1 & 2** **Grade 9** **1 credit**

This full year required course provides an in-depth study of grammar, mechanics and composition, and vocabulary development. Combined with a literary exploration of the short story, nonfiction, poetry, drama, and the novel, students will integrate their understanding of these literary forms with the ability to compose responses on various analytical and interpretive levels of study. *Fulfills English I Credit*

English II **Level 1 & 2** **Grade 10** **1 credit**

As a full year required course, the reinforcement of grammar, mechanics and composition, and vocabulary skills are continued. A more in depth overview of the short story, nonfiction, poetry, drama and the novel will coincide with an emphasis on argumentative and critical writing. *Fulfills English II Credit* **Prerequisite: Successful completion of English I.**

English III **Level 1 & 2** **Grade 11** **1 credit**

This third requirement is a full year survey of American literature that includes an examination of nonfiction, the novel, poetry, and drama. The reinforcement of oral and written language skills through the study of grammar, vocabulary, and composition will culminate in the process of literary research and writing a formal research paper. *Fulfills English III Credit* **Prerequisite: Successful completion of English II**

AP Language and Composition **Level 0** **Grade 11** **1 credit**

This junior course asks students to demonstrate their ability to read, with care and discrimination, various prose pieces written in a range of historical periods in a variety of modes and moods. The majority of the works will be by American authors. The students will strive to "demonstrate their mastery of the skills and abilities in analyzing the rhetoric in prose passages." Students are also asked to demonstrate their skill in composition by writing essays of varying lengths in various rhetorical modes. Skills will be applied and honed in class through discussion and writing. Students in this course are expected to be independent workers who function at a college level. Finally, there is an extensive and required summer reading and writing assignment. (AP examination is required.) *Fulfills English III Credit* **Prerequisite: Successful completion of English II and teacher recommendation. Summer reading and writing assignments are required.**

***Senior English Offerings** consist of two college preparatory, full year courses, one half-year double period course, and/or six half-year (semester) courses. Students must register for either of the full year courses, the half-year double period course, or two semester courses, one of which must be a writing course. Each semester course is comprehensive and includes basic skills in English, but has a thematic emphasis in one area. The courses marked "AP," "ECE," and "Honors" are designed for students who learn rapidly, have a command of basic language skills, and are willing to accept a challenge. Though some courses offer greater challenges and are designed for students whose goal is higher education, any individual with the interest and desire to succeed may, with departmental approval, elect any course.

ECE ENGL 1007: Seminar in Writing and Multimodal Composition **Level 0** **Grade 12** **1 credit**
This full-year senior English course is an evolution of UConn's First-Year Writing courses. ENGL 1007 introduces a required one-credit studio pedagogy component, which emphasizes collaborative problem-solving composing with a range of tools and technologies, and it puts emphasis on the wider rhetorical impact that such work can have. Studio work necessitates a critical awareness of composing practices and tools, and its focus on audience and practical effects encourages creativity, flexibility, and experimentation. Students in ENGL 1007 produce writing in many modes and genres, and they are supported in their development as real world, deep writers, not just writers fluent in academic language. As a UCONN (ECE) course, students can receive four (4) UCONN credits pending completion of course requirements. *Fulfills English IV Requirement* **Prerequisite: English III and teacher recommendation and/or ECE teacher instructor / permission. Summer reading and writing assignments are required.**

Composition and Rhetoric **Level 1** **Grade 12** **1 credit**
(ENGLISH 101 Academic Writing University of Bridgeport) A college freshman-level composition course which stresses college level reading and writing proficiency. Students may opt to be dually enrolled at the University of Bridgeport, and successful completion of this course grants 3 college credits for ENGLISH 101 Academic Writing at the University of Bridgeport. This course covers techniques for clear and effective college-level writing and requires students to write multiple essays which should adhere to standard essay formats with an introduction, including a clear thesis; body paragraphs, which advance the thesis and clearly focus on the topic sentences; transitions from point to point; and insightful conclusions. The goal of the course is to improve writing ability and to sharpen reading and critical thinking skills. Instruction focuses on the best ways to approach different types of college writing assignments. Students will study and practice the fundamentals of academic discourse, including essay organization and development, analysis, research techniques, documentation, and critical evaluation of academic writing. Grammar and word mechanics will also be reviewed to ensure that students communicate successfully in various tasks. *Fulfills English IV Requirement* **Prerequisite: English III and teacher recommendation**

Honors English IV: British Literature / Critical Writing **Level 1** **Grade 12** **1 credit**
This senior course will focus on the literature of major British writers from the Anglo-Saxon period through the Victorian Age and runs as a double period. Students in this course will read and discuss a variety of literature and poetry and take part in the class discussions about the reading. This is a course that surveys the study of notable British authors and emphasizes using knowledge, opinions, and experiences to interact with the text and to express views, discourse, and critical writing while developing and utilizing strategies for reading and writing and thinking critically. Throughout the course, students will develop proficiency, confidence and fluency in reading, writing, listening, speaking and viewing to meet the literacy demands of the 21st century. *Fulfills English IV Requirement* **Prerequisite: English III, enrolled in Patient Care Technician Pathway and/or teacher recommendation**

Senior Composition **Level 2** **Grade 12** **0.5 Credit**
A one-semester study of advanced writing skills for college bound seniors. Emphasis will be placed on the reinforcement and enhancement of the basic skills of the four major writing discourses: narrative/descriptive, cause and effect, argument, and expository. *Fulfills English IV Writing Requirement* **Prerequisite: English III**

Practical Literacy **Level 3** **Grade 12** **0.5 Credit**
This course for selected seniors provides students an opportunity to expand on skills necessary for effective comprehension and written communication. *Fulfills English IV Writing Requirement* **Prerequisite: English III and teacher recommendation**

Popular Literature **Level 2** **Grade 12** **0.5 Credit**
This semester course focuses upon the reading of popular literature. Through oral discussion and short written evaluations of modern short stories, poetry, drama, memoirs, and novels, the course encourages students to make connections, develop a greater sense of self, and enhance coping mechanisms in today's world. *Fulfills English IV Reading Requirement* **Prerequisite: English III**

Understanding the Media **Level 3** **Grade 12** **0.5 Credit**
This course focuses on an analysis of various media as sources of information and influence. The materials include television, film, newspapers, graphic novels, advertisements, photography, political ads, documentaries, movies, books and magazines. Students will further their analytical and writing skills. *Fulfills English IV Reading Requirement* **Prerequisite: English III**

Multicultural Literature **Level 2** **Grade 12** **0.5 Credit**
The focus of this course is the literature of Native American, Hispanic American, African American and Asian American writers and international authors in translation. Students will read and discuss a variety of stories and poems and take part in class discussions about literature. In addition, students' grades will reflect written responses and successful completion of essays, quizzes, tests, and oral presentations. *Fulfills English IV Reading Requirement* **Prerequisite: English III**

ENGLISH: HUMANITIES ELECTIVES

Graphic Novel **Level 2** **Grades 10 - 12** **0.5 Credit**
This course will focus on the writing style, art form, and technical aspects of creating a graphic novel. Students will learn the art of telling a story through storyboards and arcs. Also, students will learn to analyze and critique graphic novels as more traditional literary texts. Finally, the course will analyze graphic novels known for dealing with social and cultural issues. *Fulfills Humanities Elective* *** Seniors may take the course, but it does not count towards their English graduation requirement.

Poetry in Transition: From The Epic to Hip-hop **Level 2** **Grade 9-12** **0.5 Credit**
Through close examination of the major movements in poetry, this course explores the evolution of poetic forms, literary movements, and the wide range of themes addressed through spoken word. As students examine each work, genre, and phase of poetic evolution, they will be discussing poetry's historical, cultural, and social influences, in addition to fostering an understanding of the traditions from which hip-hop gained traction and mass appeal. *Fulfills Humanities Elective.*

Creative Writing **Level 2** **Grades 9-12** **0.5 Credit**
This course is designed to help students craft various works of fiction and poetry. The students will share their writing in a constructive workshop atmosphere—thereby developing useful editorial skills that will help improve their own writing. Through lecture and discussion, students will explore the techniques and devices involved in creating masterful works of literature. Students will read and discuss the works of many different writers, using their technique, style and content as a guide for their own writing. The class will culminate with a larger piece that incorporates skills learned throughout the course. *Fulfills Humanities Elective.*

Global Cinema **Level 2** **Grades 9-12** **0.5 Credit**
This is an introductory film course with a focus on the cross-cultural study of film from multiple world traditions. Through screenings, readings, discussion, and coursework-- including presentations and writing-- students will learn and apply the basics of film analysis and terminology. Also, students will develop a familiarity with films, both classic and contemporary, made in diverse national contexts. Films will be studied and interpreted in relation to genre and style, as well as behavioral, cultural, social, and political themes. The class is designed to broaden perspectives, strengthen analytical vocabulary, and enhance the student's critical capacity. *Fulfills Humanities Elective.*

Journalism I, II, III, IV **Level 2** **Grades 10-12** **0.5 Credit**
As a half-year elective, students will not only study the elements of journalistic writing, but also the elements of journalism. Students will differentiate these components and demonstrate their ability to apply them within a true journalistic presentation. *Fulfills Humanities Elective.* **Prerequisite: English II and teacher recommendation**

Reading Between the Lines: SAT EBRW Prep **Level 2** **Grade 11** **0.5 Credit**
This course is designed to build students' confidence as they prepare for the SAT. Students will practice targeted SAT skills in a supportive, reflective learning environment. The course provides direct instruction and guided practice in the SAT Evidence-Based Reading and Writing (EBRW) content domains: Information and Ideas, Craft and Structure, Expression of Ideas, and Standard English Conventions. In addition to strengthening foundational reading and writing skills, students will learn and apply test-taking strategies specific to the SAT. This course is offered during semester one. *Fulfills Humanities Elective.* **Prerequisite: Successful completion of English I and English II and teacher recommendation**

MATHEMATICS DEPARTMENT

Course Summary

Grade Level			Course Name	Credit
		9	Algebra I / Honors Alg I	1
		9	Algebra I - Part A	1
	11	9	Geometry / Honors Geometry	1
		10	Algebra I - Part B	1
	11	10	SAT Math Lab	.5
12	11	10	Algebra II / Honors Algebra II	1
12	11	10	ECE Statistics	1
12	11		Precalculus / UB Precalculus	1
12	11	10	Introduction to Computer Science	1
12	11	10	Honors Computer Science	1
	11		Applied Math and Modeling	1
12			Algebra Advanced	1
12			AP Calculus	1
12			Statistics / ECE Statistics	1

Algebra I **Level 1 & 2** **Grade 9** **1 Credit**
This course is the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving, writing and graphing first degree equations and inequalities; translating word problems into equations; solving systems of equations and operations with and factoring of polynomials. *Fulfills Math Requirement*

Algebra I Part A **Level 3** **Grade 9** **1 Credit**
This course is the first of two courses that investigates the fundamental ideas of algebra upon which all future study of mathematics depends. Students will study linear equations, inequalities and functions. Using technology, students will also apply algebraic concepts to the solution of real-world problems. This course is designed for students who need additional time to continue to develop proficiency with mathematical concepts studied in middle school, and additional time to continue to develop their problem solving and critical thinking skills. *Fulfills Math Requirement* **Prerequisite: Teacher recommendation only**

Algebra I Part B **Level 3** **Grade 10** **1 Credit**
Algebra 1 B will investigate the fundamental ideas of algebra upon which all future study of mathematics depends while also uncovering fundamental geometry standards. In Algebra 1 B, students will write equations of lines, simplify exponential and radical expressions, and add/subtract/multiply/factor quadratic expressions. Using technology, students will also apply algebraic concepts to the solution of real-world problems. Geometry concepts will consist of volume of shapes, applying properties of triangles to determine side length and angle measure, apply properties of circles to measure arc length and area, and solve problems with sine, cosine, and tangent. *Fulfills Math Requirement* **Prerequisite: Successful completion of Algebra IA, or its equivalent, and teacher recommendation**

Geometry **Levels 1 & 2** **Grades 9 & 11** **1 Credit**
This course grouping, emphasizing an abstract, formal approach to the study of geometry, typically includes topics such as: properties of plane and solid figures; deductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles. Grade 11 Geometry will integrate Desmos as an interactive tool to help students build fluency with the program, deepen their understanding of geometric concepts, and make clear connections to SAT-style questions in lieu of formal proofs and other content. *Fulfills Math Requirement* **Prerequisite Grade 9 Level 1: 80 or higher in Algebra I, teacher recommendation, OR students must also earn level 3 on SBA or grade level on I-Ready / Prerequisite Grade 11 Level 1: 80 or higher in Algebra I and II / Grade 11 Level 2: Algebra II**

Algebra II **Levels 1 & 2** **Grades 10-12** **1 Credit**
Course topics are typically: set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents. *Fulfills Math Requirement* **Prerequisite Level 1: 80 or higher in Honors Algebra I or Honors Geometry / Prerequisite Level 2: Successful completion of Algebra I or Algebra Part A & B with teacher recommendation**

Applied Math and Modeling **Level 3** **Grade 11** **1 Credit**
This course combines the study of some algebra I & II topics, introductory geometry topics with an SAT component. This class will focus on topics included on the SAT and work to intertwine them. Topics include, but are not limited to solving equations, graphing linear and quadratic equations, functions, factoring and solving quadratics, systems, volume and surface area of geometric figures, angle relationships and right triangle geometry. *Fulfills Math Requirement* **Prerequisite: Algebra I Part A, Algebra I Part B and Teacher Recommendation**

Algebra Advanced **Level 2** **Grade 12** **1 Credit**
This course combines the study of geometry and algebra II topics with an algebra I review woven throughout. Topics include, but not limited to exponents, roots, quadratic review, graphing conics, simple logarithms, trigonometry, circles and operations with rational functions. *Fulfills Math Requirement* **Prerequisite: 3 years of math**

Pre-Calculus **Levels 1 (UB) & 2** **Grades 11 & 12** **1 Credit**
This full year course is an extension of advanced algebra and geometry topics including linear, polynomial, rational, trigonometric, exponential and logarithmic functions and the application of these topics to real world situations. Students who take UB Pre-calculus can earn one credit from the University of Bridgeport. *Fulfills Math Requirement* **Prerequisite Level 1: 80 or higher in Algebra II and teacher recommendation / Level 2: Successful completion of Algebra II**

AP Calculus **Level 0** **Grade 12** **1 Credit**
This course includes the study of derivatives, differentiation, integration, the definite and indefinite integrals, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis.) *Fulfills Math Requirement or STEM elective* **Prerequisite: Honors Pre-Calculus, and teacher recommendation**

Statistics **Level 2** **Grade 12** **1 Credit**
This course covers three main topics: data analysis/regression, survey and experimental design, and probability. Students will focus on expressing solutions numerically, visually, and verbally. Completion of a series of investigational tasks involving real world situations along with conducting two extensive surveys and/or experiments are major components of this course. *Fulfills Math Requirement or STEM elective* **Prerequisite: Successful completion of Geometry**

ECE Statistics **Level 0** **Grades 10-12** **1 Credit**
This college level course covers four main topics: data analysis/regression, survey and experimental design, probability, statistical inference. Students will focus on expressing solutions numerically, visually, and verbally. Completion of a series of investigational tasks involving real world situations along with conducting two extensive surveys and/or experiments are major components of this course. As a UCONN (ECE) course, students

have the opportunity to receive four (4) UCONN credits pending completion of course requirements. *Fulfills Math Requirement or STEM elective* **Prerequisite: 80 or better in Algebra II or 80 or better in Grade 9 Geometry with department approval**

Introduction to Computer Science **Level 3** **Grade 12** **1 Credit**
Introduction to Computer Science introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, Computer Science prepares students for college and career. *Fulfills STEM credit. Can only be used as a math credit for seniors with department approval* **Prerequisite: Completion of Algebra I for STEM credit OR GRADE 12 and Teacher Recommendation OR Acceptance into PCT Program for Math credit.**

Honors Computer Science **Level 1** **Grades 10–12** **1 Credit**
This honors level course is designed to introduce students to computer programming. Students will be exposed to topics that include algorithms, basic data structures, program design, and problem-solving. The course makes use of JAVA and JAVA Libraries to write computer code and emphasizes hands-on, project-based learning. *Fulfills STEM elective. Can only be used as a math credit with department approval.* **Prerequisite: 80 or better in Algebra I and English**

SAT Math Lab **Level 2** **Grades 10 - 11** **0.5 Credit**
This course focuses on strengthening key math skills, building confidence, and preparing students for the SAT math section through targeted strategies and practice with full-length math sections to build test stamina. Students will also learn how to effectively use Desmos, the approved SAT graphing tool, to solve problems accurately and efficiently. **Prerequisite: Teacher Recommendation, i-Ready scores, and PSAT Scores**

SOCIAL STUDIES DEPARTMENT

Course Summary

Grade Level				Course Name	Credit
			9	Global History I /II	0.5/0.5
12	11	10		Civics/Govt	0.5
12	11	10		Criminal/Juvenile Justice	0.5
12	11	10		Intro to Criminal Justice (UB)	0.5
12	11	10		Contemporary Issues	0.5
12	11	10		World Cultures	0.5
12	11			AP/ECE US History	1
12	11			U.S. History	1
12	11			Intro to Psychology	0.5
12	11			Sociology	0.5
12	11			African American/Black and Puerto Rican	1
12				AP Psychology	1

SOCIAL STUDIES: CORE

Global History I & II **Level 2** **Grade 9** **0.5 Credit**
Global History is a record of the adventures of man. It deals with significant people and events, broad historical concepts and geographical themes. In today's fast-paced world, the study of global history provides the continuity that helps us understand the past and recognize its contribution to the present and the future. This course covers early European civilizations through World War I. *Open to Freshman Academy only. Fulfills Social Studies Credit*

Civics and Government **Levels 1 & 2** **Grade 10** **0.5 Credit**
This half-year course will cover the writing and everyday application of the U.S. Constitution. Students will be taught about the three branches of government, the rule of law, and the value of liberty and equality in relation to local, state, and national decisions. This is a required course for graduation. *Fulfills Civics / Government Requirement*

United States History **Levels 1 & 2** **Grade 11** **1 Credit**
A required course for juniors (and for graduation), this course is the study of the political, economic, and social history of the United States starting with the American Revolution and continuing through World War II. A research paper and/or project may be required of all level one students. *Fulfills US History Requirement*

AP/ECE U.S. History **Levels 1 & 2** **Grade 11** **1 Credit**
This course surveys the political, economic, social and cultural developments throughout American History. This full year course encourages students to further develop their writing and analytical skills. Emphasis is placed on interpreting primary sources for a deeper connection to historical issues. As a UConn ECE Course, students have the potential to earn six (6) UConn college credits pending completion of course requirements. Pending state approval, if there is no monetary charge for the AP exam, AP Exam is required. Fulfills US History Requirement
Prerequisite: Grade 11-12 with an overall B average, B or better in Civics and/or department recommendations

SOCIAL STUDIES: HUMANITIES ELECTIVES

World Cultures **Level 2** **Grade 10-12** **0.5 Credit**
This half-year history course allows students to explore and investigate many different world cultures and geographic areas. The goal of world cultures is to have students link physical geography with cultural implications. This course will explore the existence and interdependence of cultural and economic connections and improve students' global awareness. *Fulfills Social Studies or Humanities Elective*

Criminal/Juvenile Justice **Level 2** **Grade 10-12** **0.5 Credit**
This half-year course engages students in the studies of criminal law and the juvenile justice system. This course will focus on crime in America and the criminal justice process. Students will gain an understanding of the fundamental principles of our system of law, including the roles of lawyers and law enforcement officers. This will help promote a positive attitude toward law and order and its impact on society. *Fulfills Social Studies or Humanities Elective*

Introduction to Criminal Justice (UB) **Level 1** **Grades 10-12** **0.5 Credit**
This University of Bridgeport course is intended to introduce students to the fields of criminal justice and criminology. More specifically, the course will explore how the American criminal justice system interacts with society and reacts to societal issues. In turn, this will help students understand how society functions in response to the criminal justice system. Upon successful completion of this course, students will become knowledgeable about the basic elements of police organization and processes, court organization and processes, and punishments. Students will critically analyze the issues pertaining to crime, the media, and culture. **Prerequisite: Teacher recommendation.** *Fulfills Social Studies or Humanities Elective*

Contemporary Issues **Level 2** **Grade 10-12** **0.5 Credit**
This half-year course is designed to introduce students to an up-to-date view of the world in the 21st century. This course is designed to provide students with an understanding of current global issues as well as the historical roots of current world-wide challenges. Included in the course will be the analysis of a variety of social, political, cultural, and economic factors that have impacted people around the globe. Students in this course will actively explore complex issues in our contemporary society in order to be able to identify relevant information, analyze opposing viewpoints and formulate opinions. *Fulfills Social Studies or Humanities Elective*

African American/Black and Puerto Rican/Latino Studies **Level 2** **Grades 11- 12** **1 Credit**
This one credit, year-long elective will consider the scope of African American/Black and Puerto Rican/ Latino contributions to U.S. history, society, economy, and culture. The course is an opportunity for students to explore accomplishments, struggles, intersections, perspectives, and collaborations of African American/Black and Puerto Rican/Latino people in the U.S. Students will examine how historical movements, legislation, and wars affected the citizenship rights of these groups and how they, both separately and together, worked to build U.S.

cultural and economic wealth and create more just societies in local, national, and international contexts. *Fulfills Social Studies or Humanities Elective*

Sociology **Level 2** **Grade 11-12** **0.5 Credit**
This course seeks to explore, define, and analyze society's foundations and functions and the changing roles of adolescents and adults in a society based on cultural influences. Students will evaluate U.S. society and make a global connection to other cultures. *Fulfills Social Studies or Humanities Elective*

Introduction to Psychology **Level 2** **Grade 11-12** **0.5 Credit**
In this half-year course, students will be introduced to the fundamental principles of psychology and the study of human behavior and mental processes. The class will focus on learning and memory, the working of the mind and body, human development, personality, psychological disorders and social interactions. The goal of this class is for students to understand why people act and think the way they do using different psychological perspectives. As an introduction to the field of psychology, this course introduces students to psychological principles, terminology,
major theories, methods of experimentation, and personality development. *Fulfills Social Studies or Humanities Elective*.

AP Psychology **Level 0** **Grade 12** **1 Credit**
This senior elective Advanced Placement Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. *Fulfills Social Studies or Humanities Elective* **Prerequisite: Senior with an overall B average and/or department recommendations**

SCIENCE DEPARTMENT

Course Summary

Grade Level				Course Name	Credit
			9	General Science	1
		10	9	Honors Biology	1
		10		Biology	1
12	11	10	9	Introduction to Astronomy	0.5
12	11	10	9	ECE Intro to Allied Health	0.5
12	11	10		AP/ECE Biology	2
12	11	10		Integrated Science: Earth Space Systems	0.5
12	11	10		Integrated Science: Life Science Systems	0.5
12	11	10		Honors Chemistry	1.25
12	11			Chemistry	1
12	11			ECE Chemistry	1.5
12	11			Chemistry, Society and You	1
12	11			Environmental Sci -L2	1
12	11			AP/ECE Environmental Science	1
12	11			ECE Physics	1
12	11			Anatomy & Physiology	1
12	11			ECE Intro to Oceanography	1
12	11			Introduction to Microbiology	0.5
12	11			Introduction to Forensic Science	0.5
12	11			Introduction to Marine Biology	0.5
12	11			ECE Into to Public Health	0.5
12				ECE Medical Terminology	0.5

SCIENCE: CORE

General Science **Level 2** **Grade 9** **1 Credit**
This is a full-year introductory course in several branches of science. It examines the concepts of chemistry, physical science, earth science, and ecology. Various instructional strategies and hands-on activities result in an understanding of the dynamic nature of our planet. Open to Freshman Academy. *Fulfills Science Requirement*

AP/ECE Biology **Level 0** **Grade 10** **2 Credits**
This is a college-level biology course designed to meet the rigorous standards of the AP program and UCONN Biol 1107. The Principles of Biology ECE workload is considerable and includes completing summer assignments, investment in out-of-school study, daily homework, research papers, twelve AP biology labs, and dissections. The course will have an additional three lab periods in each class cycle. The three significant fields of exploration include molecules and cells, heredity, physiology, and evolution. As a UCONN (ECE) course, students can receive four (4) UCONN credits pending completion of course requirements. There is no charge for Ansonia dual-enrolled students with UCONN for the 2026-2027 school year. Pending state approval, if there is no monetary charge for the AP exam, AP Exam is required. Summer assignments are required. *Fulfills Science Requirement or STEM elective.* **Prerequisite: Teacher recommendation, B or better in Honors Biology, B or better in Geometry, currently enrolled in Algebra II.**

Honors Biology **Level 1** **Grades 9-10** **1 Credit**
This full-year course provides a more comprehensive and in-depth (systems thinking) examination of biology's intricate themes/processes, including biochemistry, taxonomy, ecology, cell structure, microorganisms, genetics, genomics, and evolution. Students apply techniques of scientific discovery while using claim evidence and reasoning (CER) and research and developing various laboratory skills. Summer assignment is required. *Fulfills Science Requirement.* **Prerequisite: Teacher recommendation, B or better in Algebra I and B or better in General Science (*If taking during Grade 9, must be currently enrolled in Geometry)**

General Biology **Level 2** **Grade 10** **1 Credit**
A full-year course designed to gain a broad understanding of the fundamental themes of biology, including taxonomy, ecology, cell structure, microorganisms, genetics, genomics, and evolution. Students apply techniques of scientific discovery while developing a variety of laboratory skills. *Fulfills Science Requirement*

ECE Chemistry I (with Lab) **Level 0** **Grades 11-12** **1.5 Credits**
(UCONN course: CHEM 1127Q & CHEM 1128Q). This ECE course is designed to be the equivalent of General Chemistry I and General Chemistry II in college, which STEM majors usually take during their first year. Students seek to attain a depth of understanding of fundamentals and competency in dealing with chemical problems. The ECE Chemistry workload is considerable and includes completing summer assignments, investment in out-of-school study, daily homework, weekly labs, and post-lab quizzes. Topics covered include the structure of matter, states of matter, reactions, physical and analytical chemistry, equilibrium, thermodynamics, nuclear chemistry, and kinetics, emphasizing laboratory experience. As a UCONN (ECE) course, students can receive eight (8) UCONN credits. Students can earn 4 UCONN college credits in the first semester (1127Q) and an additional 4 credits (1128Q) pending a grade of 72 or higher in 1127Q. Note: Students who do not earn ECE 4 credits in 1127Q cannot earn credit in 1128Q. There is no charge for Ansonia dual-enrolled students with UCONN for the 2026-2027school year. Pending state approval. *Fulfills Science Requirement or STEM elective.* **Prerequisite: Grade 11 and 12 students with a B or better in Algebra II plus Honors/AP ECE Biology and teacher recommendation**

Honors Chemistry (with Lab) **Level 1** **Grades 10-12** **1.25 Credits**
This full-year, comprehensive course on modern chemical theory is offered to junior and senior students. The course covers modern atomic theory, stoichiometry, the periodic table, acid/base reactions, gas laws, solutions, and types of chemical reactions. Students also develop analytical skills through inquiry-based laboratory experiments within an additional lab period. *Fulfills Science Requirement or STEM elective* **Prerequisite: Grade 10, 11, and 12 students with a B or better in Algebra 1 and Honors Biology or teacher recommendation**

General Chemistry **Level 2** **Grades 11-12** **1 Credit**
This full-year course is offered to all students who have successfully completed a biology course with a C or better. The course covers modern atomic theory, the periodic table, types of chemical reactions, gas laws, organic chemistry, acid/base chemistry, and electrochemistry within the context of real-world applications. Students also develop analytical skills through laboratory experiments (built into the lecture - No Lab period). *Fulfills Science*

Requirement or STEM elective. **Prerequisite: Biology and Algebra 1 with a C or better and teacher recommendation**

Chemistry, Society and You **Level 3** **Grades 11-12** **1 Credit**
This full-year course will focus on Environmental Chemistry. Students will study the tragedy of the commons, climate change, chemistry, nonrenewable and renewable resources, plastics in the ocean, consequences of climate change, and sustainability. *Fulfills Science Requirement or STEM elective.* **Prerequisite: Grade 11-12 students with a C- or better in Biology and/or teacher recommendation**

Environmental Science **Level 2** **Grades 11-12** **1 Credit**
This course aims to provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems, both natural and man-made (anthropogenic), to evaluate the relative risks and thereby explore and directly examine alternative solutions for resolution and future prevention. Students will get field experience while being outside and learning about positive and negative feedback loops. *Fulfills Science Requirement or STEM elective.* **Prerequisite: Biology and Algebra 1 with a C- or better and teacher recommendation**

SCIENCE: STEM ELECTIVES

Anatomy and Physiology **Level 1** **Grades 11-12** **1 Credit**
This is a full-year, comprehensive, advanced biology course in human anatomy and physiology covering histology, organ systems, structure and function, and practical lab dissections using preserved specimens. It is highly recommended for seniors planning careers in medicine, nursing, physical therapy, and/or the allied health fields. *Fulfills Science Requirement or STEM elective* **Prerequisite: Grade 11 students in the PCT pathway and concurrent with Chemistry/Grade 12 students with a C+ or better in Biology and Chemistry with a teacher recommendation**

ECE Medical Terminology **Level 0** **Grades 12** **0.5 Credit**
(UCONN course AH2001) - This half-year ECE course focuses on accurate spelling and pronunciation of terms and building knowledge of basic medical vocabulary, emphasizing prefixes, suffixes, roots, and combining vowels. Anatomical, physiological, and pathological terminology are covered. Terminology related to body systems is discussed. Required for the PCT program with Griffin Hospital. Students may earn two (2) college credits. *Fulfills Science Requirement or STEM elective*. **Prerequisite: Teacher recommendation AND grade 12 students that successfully passed Anatomy & Physiology**

Integrated Science: Earth-Space (ES) Systems **Level 3** **Grades 10-12** **0.5 Credit**
(Semester 1) This course integrates all core science areas and engages students in hands-on exploratory activities that allow students to see the connection between science knowledge and real-world applications. This course is intended for juniors and seniors who plan to attend a community technical college or enter the workforce. *Fulfills Science Requirement or STEM elective.* **Prerequisite: Teacher recommendation/placement**

Integrated Science: Life-Science (LS) Systems **Level 3** **Grades 10-12** **0.5 Credit**
(Semester 2) This course integrates all core science areas and engages students in hands-on exploratory activities that allow students to see the connection between science knowledge and real-world applications. This course is intended for juniors and seniors who plan to attend a community technical college or enter the workforce. *Fulfills Science Requirement or STEM elective.* **Prerequisite: Teacher recommendation/placement**

ECE/Honors Physics I **Level 0 & 1** **Grades 11-12** **1 Credit**
(UCONN course: PHYS 1201Q) This ECE course studies natural physical phenomena. This course includes hands-on laboratories and is designed to give an overview of the physical concepts and insight into relevant areas of kinematics, dynamics, gravity, energy, momentum, thermodynamics, and wave motion. Special emphasis is placed on mathematical and technical applications. *Fulfills Science Requirement or STEM elective*. Level 0: Students take the ECE exam for General Physics in May. **Prerequisite for ECE PHYS 1201Q: Grades 11 and 12 students with an A or better in Algebra II and/or completion of Pre-Calculus and Chemistry and/or teacher recommendation / Prerequisite for Honors Physics: Grades 11 and 12 students with a B or better in Algebra II**

and/or completion of Pre-Calculus and Chemistry and/or teacher recommendation

AP/ECE Environmental Science **Level 0** **Grade 11-12** **1 Credit**
(UCONN course NRE: 1000E). This is a college-level course designed to meet the rigorous standards of the AP program and UCONN NRE: 1000E. The Natural Resources and the Environment (NRE) ECE course aims to provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems, both natural and man-made, to evaluate the relative risks and thereby explore and directly examine alternative solutions for resolution and future prevention. Summer assignments and demands outside of the regular classroom setting are consistent with AP requirements. As a UCONN (ECE) course, students may receive three (3) UCONN credits pending completion of course requirements. Pending state approval, if there is no monetary charge for the AP exam, AP Exam is required. Summer assignment is required. *Fulfills Science Requirement or STEM electives. AP/ECE Environmental Science will run opposite ECE Introduction to Oceanography every other year.* Summer reading is required. *This course will be offered in 2026-2027.* **Prerequisite: B or better in AP, Honors Biology, or teacher recommendation and B or better in Algebra 1**

ECE Introduction to Oceanography **Level 0** **Grade 11-12** **1 Credit**
(UCONN course MARN: 1002E). This ECE course covers the processes governing the geology, circulation, chemistry, and biological productivity of the world's oceans. Emphasis is placed on the interactions and interrelationships between physical, chemical, biological, and geological processes contributing to the marine environment's stability and variability. As a UCONN ECE course, students may receive three (3) UCONN credits. *There is no charge for Ansonia students dual enrolled with UCONN for the 2027-2028 school year. Summer assignment is required. *Fulfills Science Requirement or STEM elective. This course will be offered in 2027-2028.* **Prerequisite: B or better in AP, Honors, or Regular Biology; C or better in Chemistry or concurrently enrolled in either AP or Honors Chemistry and B or better in Algebra 1**

ECE Intro to Allied Health **Level 1** **Grades 9-12** **0.5 Credit**
(UCONN course: AH1100) -This half-year ECE course overviews allied health professions. A variety of allied health professions will be highlighted. Speakers will be invited to describe their work/general duties, the work environment, educational requirements, and employment trends. Students may earn one (1) college credit. *Fulfills Science Requirement or STEM elective*

Introduction to Forensic Science **Level 2** **Grades 11-12** **0.5 Credit**
This is a half-year introductory course for students interested in learning the principles of crime scene investigations, documentation of crime scenes, the collection, preservation, and identification of evidence, latent print processing, bloodstain pattern interpretation, and DNA analysis. Students will work on a mock crime scene during the course and present the evidence to classmates and instructors as a class project. *Fulfills Science Requirement or STEM elective.* **Prerequisite: Grade 11-12 students with a C or better in Biology and teacher recommendation. Grade 10 students with a C or better in Biology with instructor approval.**

Introduction to Marine Biology **Level 2** **Grades 11-12** **0.5 Credit**
This is an introductory course offered for students interested in learning the principles of marine biology, including the study of seawater chemistry, oceanography, marine biomes, and the environmental impacts of pollution on the oceans. During the course, students will complete projects that will test seawater, compare marine biomes, and discover the remediation of a specific human impact on our marine environment. Labs include microscopic and macroscopic examination of plankton, sand, seaweed, and small invertebrates. *Fulfills Science Requirement or STEM elective.* ***Prerequisite: Grade 11-12 students with a C- or better in Biology and/or teacher recommendation***

Introduction to Microbiology **Level 2** **Grades 11-12** **0.5 Credit**
This is an introductory, half-year course designed to give a basic foundation to students interested in pursuing a health-related career. This course's primary emphasis will be understanding the physiology of microbes and their interactions with other organisms. The course will help students explore the microbial world, studying pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug-resistant organisms, and emerging diseases. *Fulfills Science Requirement or STEM*. **Prerequisite: Grade 11-12 students with a C- or better in Biology.**

Introduction to Astronomy **Level 2** **Grades 9-12** **0.5 Credit**
This is an introductory, half-year course for students interested in learning astronomy principles, including the

solar system's formation, star composition, chemical/stellar spectroscopy, galaxies, and the technology behind studying stars. During the course, students will complete projects related to the historical context of studying stars in differing cultures, examining light spectra from stars (chemical spectroscopy), comparing visible light, IR, UV, X-ray, and radio data, relating to the Electromagnetic Spectrum and describing present NASA missions. Optional observation nights will allow students to make stellar and planetary observations. *Fulfills Science Requirement or STEM elective*

ECE Introduction to Public Health **Level 0** **Grades 11-12** **0.5 Credit**
(UCONN course: PUBH1001) -This half-year ECE course provides an overview of public health principles and practices so that you can be informed citizens and consider your contributions to assuring the health and well-being of your community. It will examine the history and philosophy of the field and consider how the practice of public health reflects (and influences) our contemporary views on health and social conditions. During the semester, the course will identify determinants of health ranging from clean drinking water to seat belts, immunizations, workplace safety, and lifestyle choices that affect the well-being of every individual. Students may earn three (3) college credits. *Fulfills STEM elective*

WORLD LANGUAGE DEPARTMENT

Course Summary

Grade Level				Course Name	Credit
12	11	10	9	Spanish I	1
12	11	10		Spanish II	1
12	11			Spanish III	1
12				Spanish IV	1
12	11	10	9	Mandarin I	1
12	11	10		Mandarin II	1
12	11			Mandarin III	1

Mandarin I **Level 2** **Grades 9-12** **1 Credit**
Students are introduced to the Chinese language, people and culture. Mandarin I is designed to give the student competence in the four basic language skills: speaking, listening, reading and writing. Students will develop speaking and listening skills within a classroom that focuses on immersion in the language as much as possible. Reading and writing in Chinese will progress more slowly due to the complexity of the written form. Activities, games and music will be conducted in Mandarin to give students a great, authentic experience about China and Chinese culture. The most important goal of this course will be to prepare students to function effectively in a Chinese language environment. *Fulfills World Language Requirement* **Prerequisite: On grade reading level based on standardized assessments**

Mandarin II **Level 2** **Grades 10-12** **1 Credit**
This course is designed for those who have taken Mandarin I. It aims at further developing speaking, listening, reading and writing in a more communicative context. All fundamental language skills will be emphasized and more aspects of Chinese culture will be introduced. Students participate actively in extended oral and written discourse, using compound and complex sentences to provide information in a coherent and fluent manner. Students are expected to actively participate in class by engaging in interactive activities and reading and writing practices. *Fulfills World Language Requirement* **Prerequisite: Successful completion of Mandarin I**

Mandarin III **Level 1** **Grades 11-12** **1 Credit**
In this course, students continue to build communication skills developed in Mandarin I and II. It is designed for students who are comfortable and confident with Chinese characters without the use of Pinyin. The course includes class discussions, and spontaneous speaking in authentic contexts. Students' tasks will include speaking and writing fluent Chinese with more grammatical accuracy, more challenging writing assignments.

Students are expected to speak Chinese well enough to communicate with a native speaker on most common topics. *Fulfills Humanities Elective* **Prerequisite: Successful completion of Mandarin II**

Spanish I **Level 2** **Grades 9-12** **1 Credit**
Students are introduced to the Spanish language, people, and culture. Spanish I is designed to give the student competence in the four basic language skills: speaking, understanding, reading and writing. Emphasis is given to oral/aural comprehension. Students build their vocabulary and learn appropriate grammatical structures to enable them to use the language in everyday conversation. Instruction and class activities are conducted in Spanish as much as possible. Students will experience a taste of various Hispanic cultures through activities, authentic music and games. Cultural differences and similarities will be highlighted. *Fulfills World Language Requirement*

Spanish II **Level 2** **Grades 10-12** **1 Credit**
Students continue their efforts to master the goals of understanding, speaking, reading and writing in the target language. The target language is used both by the teacher and student to a greater extent. Basic commands and instructions are given in the target language, and students are expected to use the target language whenever possible. Classroom instruction is designed to increase the ability to communicate in a second language through involvement in communication tasks. Classroom instruction includes reading, writing, listening, and speaking skills. *Fulfills World Language Requirement* **Prerequisite: Successful completion of Spanish I**

Spanish III **Level 1** **Grades 11-12** **1 Credit**
This course encourages students to continue their journey to fluency in Spanish by focusing on the music, history, literature and products of the Spanish-speaking world. Students will continue to acquire vocabulary and structure to discuss- everyday topics, not only in the present tense but also in the preterite, imperfect and future tenses and the subjunctive mood. Literature and literary analysis take on a more important role as students read various authentic materials to improve their literacy and to enable them to more fully appreciate the perspectives and perceptions of Spanish speaking people. *Fulfills Humanities Elective* **Prerequisite: Successful completion of Spanish II**

Spanish IV **Level 1** **Grade 12** **1 Credit**
This course is designed to help students achieve mastery of the four modalities. Emphasis continues to be placed on speaking and understanding but more importance is placed on reading and interpreting authentic literature, viewing and critiquing artwork, and forming opinions and expressing those opinions coherently. All instructions are done in Spanish and students are encouraged to speak only Spanish during class. In addition, students prepare for advanced study at the college level. *Fulfills Humanities Elective* **Prerequisite: B or better in Spanish III and/or teacher recommendation**

HUMANITIES: ART

Course Summary

Grade Level				Course Name	Credit
12	11	10	9	Art I	0.5
12	11	10	9	Art II	0.5
12	11			Ceramics I	0.5
12	11			Ceramics II	0.5

Art I **Level 2** **Grade 9-12** **0.5 Credit**
In this half- year course, students explore the basic theories of fine art. Students will use the Elements of Design in a variety of drawing, painting, printmaking, and 3-dimensional art projects. Students will engage in oral and written assessments and evaluations of their own and others' work. This course is designed to satisfy graduation requirements and is designed for students who are interested in art and is foundational for subsequent courses. *Fulfills Humanities Elective Credit*

Art II **Level 2** **Grade 9-12** **0.5 Credit**
As a half -year course, it is designed for students who wish to pursue further study of 2- dimensional fine art. The students will be able to apply the Elements and Principles of Design in higher level drawing, painting, and

printmaking assignments. The investigation of materials and trends through art history will be discussed. Students will continue to assess their own and others' work in a variety of ways. *Fulfills Humanities Elective*
Prerequisite: Art I (C or better) or teacher recommendation

Ceramics I **Level 2** **Grade 11-12** **0.5 Credit**
As a half-year course, students explore the functional and sculptural methods of hand building. Instruction in pinch, coil, slab, basic glazing and firing techniques will be covered. *Fulfills Humanities Elective* **Grade 12 students are given preference as space is limited.**

Ceramics II **Level 2** **Grade 11-12** **0.5 Credit**
This sequential half-year course focuses primarily on wheel throwing technique. Students will also use hand-building techniques in concert with wheel skills to create functional and sculptural pieces. More advanced glazing and firing methods will be covered. *Fulfills Humanities Elective* **Prerequisite: Successful completion of Ceramics I**

HUMANITIES: MUSIC

Course Summary

Grade Level				Course Name	Credit
12	11	10	9	Band I	1.25
12	11	10		Band II	1.25
12	11			Band III	1.25
12				Band IV	1.25
12	11	10	9	Chorus I	1
12	11	10		Chorus II	1
12	11			Chorus III	1
12				Chorus IV	1
12	11	10	9	Classical Piano I	0.5
12	11	10	9	Classical Piano II	0.5

Band I, II, III, IV **Levels 1 or 2** **Grade 9-12** **1.25 Credit**
Open to all students with a sincere interest in playing a band instrument: (flute, clarinet, saxophone, trumpet, French horn, trombone, baritone, tuba, bass, guitar, and percussion). *Students are required to fulfill all rehearsal and performance obligations associated with membership such as school, community, and athletic events*. *These events often occur outside of normal school hours*. This course may be repeated yearly for credit, at the discretion of the teacher. Students electing to take band as a Level 1 (Honors) class will complete a mini-independent study each marking period to fulfill the honors component. *Fulfills Humanities Elective* **Prerequisite: Teacher recommendation for Band II, III, IV**

Chorus I, II, III, IV **Levels 1 or 2** **Grade 9-12** **1 Credit**
Open to all students who are interested in singing a wide variety of music in an ensemble setting, regardless of prior experience. *Students are required to perform at various school and community functions throughout the school year, often outside normal school hours*. This course may be repeated yearly for credit at the discretion of the teacher. Students electing to take chorus as a Level 1 (Honors) class will complete a mini-independent study each marking period to fulfill the honors component. *Fulfills Humanities Elective* **Prerequisite: Teacher recommendation for Chorus II, III, IV**

Classical Piano I **Level 2** **Grade 9-12** **0.5 Credit**
This course is open to all students who have an interest in learning the basics of piano performance and music theory. There are no required public performances for this class. *Fulfills Humanities Elective*

Classical Piano II **Level 2** **Grade 9-12** **0.5 Credit**
This course is a continuation of Introduction to Class Piano I and is a more in-depth exploration of piano performance, including music theory and music history. There are no required public performances for this class. *Fulfills Humanities Elective* **Prerequisite: Successful completion of Piano I with a C or better, previous private study in piano (1 year),or at least 1 year playing experience on a band or orchestral instrument**

Independent Study in Music **Level 1** **Grade 10-12** **1 Credit**
This course is open to any vocal or instrumental music student with 2 or more years of musical training. (private lessons, participation in band or chorus) Taking a more holistic approach, it will include the study of music theory and music history. All students are considered members of the AHS Band or Chorus and are required to fulfill all performance obligations associated with those courses. *Fulfills Humanities Elective* **Prerequisite: Teacher recommendation**

CAREER AND TECHNICAL EDUCATION: CULINARY

Course Summary

Grade Level			Course Name	Credit
12	11	10	Foods I	0.5
12	11	10	Foods II	0.5
12	11		Intro Prof Cooking	1

Foods I **Level 2** **Grade 10-12** **0.5 Credit**
This is an introductory course that covers nutrition, health and sanitation, food guides and kitchen safety. Basic cooking skills are emphasized within numerous group labs. *Fulfills Career / Life Skills or Humanities Elective* **Preference is given to upperclass students first as space is limited**.

Foods II **Level 2** **Grade 10-12** **0.5 Credit**
This course reinforces basic cooking skills and exposes students to commercial cooking applications. Menu preparation using the MyPlate, individual projects in food-borne illnesses, food franchises, and consumerism are studied. Group and individual labs are utilized. *Fulfills Career / Life Skills or Humanities Elective* **Prerequisite: C or better in Foods I**

Introduction to Professional Cooking **Level 1** **Grade 11-12** **0.5 Credit**
This course will acquaint the student with the many careers in Food Service. The student will learn how to cook for larger groups. The student will also learn about serving, inventory control, pricing presentation, nutritional content, and be well versed in food sanitation and health. Additionally, students will learn about global cuisine. Students enrolled in this course will have the opportunity to take the ServSafe Food Handler Certification Exam. *Fulfills Career / Life skills or Humanities elective* **Prerequisite: B or better in Foods II, and teacher recommendation**

CAREER AND TECHNICAL EDUCATION: BUSINESS AND FINANCE TECHNOLOGY

Course Summary

Grade Level				Course Name	Credit
12	11	10	9	Computer Applications I	0.5
12	11	10	9	Computer Applications II	0.5
12	11	10	9	Intro to Business Editing & Publishing	0.5
12	11	10		Business Sports & Entertainment	0.5
12	11	10		Entrepreneurship	0.5

12	11	10	Intro to Advanced Computer Concepts	0.5
12	11	10	CCP Advanced Computer Concepts	0.5
12	11	10	Intro to Foundations of Business	0.5
12	11	10	CCP Foundations of Business	0.5
12	11	10	International Business	0.5
12	11		Bus Edit & Pub I (Yearbook)	1
12	11		CCP Accounting I	1.0
12	11		Intro to Marketing	0.5
12	11		CCP Marketing	0.5
12	11		Consumer Economics	1
12	11		Personal Finance	0.5
12	11		Personal Finance II: Banking & Investing	0.5
12	11		CyberCrime	0.5

Introduction to Business Editing and Publishing **Level 2** **Grade 9-12** **0.5 Credit**
Students enrolled in Introduction to Business Editing and Publishing will study photography techniques, writing and editing copy, and visual design concepts. A strong emphasis will be placed on taking photos, understanding photo composition, and editing photos using digital cameras. Students will develop writing, communication, and collaboration skills using Microsoft Word and Google Docs and will utilize those skills to complete photography, journalism, and marketing projects. *Fulfills STEM elective (CTE Business)*

Business Editing and Publishing **Level 1** **Grade 11-12** **1 Credit**
Students will continue to develop and enhance previously learned skills from Business Editing and Publishing I. Students will be held responsible for reporting, advertising, design, and the functions of business. Students will continue to develop their reading, writing, speaking, and listening skills. They will gain practical experience publishing small documents such as donation letters, thank you letters, posters and banners as well as Lavender, the AHS Yearbook. *Fulfills STEM elective (CTE Business)* **Prerequisite: Interview and/or Teacher Recommendation**

The Business of Sports and Entertainment **Level 2** **Grade 10-12** **0.5 Credit**
This half-year course is designed for students interested in the business of sports, entertainment, and event planning. Emphasis is placed on the following principles as they apply to the industry: branding, licensing and naming rights; business foundations; concessions and on-site merchandising; economic foundations; promotion; safety and security; and human relations. This course includes simulations, projects, and teamwork activities. *Fulfills STEM elective (CTE Business)*

Computer Applications I **Level 2** **Grade 9-12** **0.5 Credit**
Students are introduced to basic computer skills. Students will utilize skills obtained in Computer Applications to meet the increasing demands of technology. Students will be introduced to Microsoft Word, Excel and PowerPoint. Students will also be exposed to email etiquette, digital citizenship, and will be introduced to Computer Science. *Fulfills Computer Literacy graduation requirement*

Computer Applications II **Level 2** **Grade 9-12** **0.5 Credit**
Students will use existing word processing skills to enhance formatting techniques. Desktop publishing software will be utilized to create newsletters, flyers, and brochures. Presentation software will be introduced. Students will use research skills and the Internet to incorporate findings into one or more Microsoft Office Program. *Fulfills STEM elective (CTE Business)* **Prerequisite: Successful completion of Comp Applications I**

Consumer Economics **Level 3** **Grade 11-12** **1 Credit**
This is a full year course that will teach students how to manage their personal resources by making informed choices in the marketplace. Students will compare products to make informed consumer choices, explain factors that influence consumer decisions, apply financial management practices, and set financial goals. Additionally, students develop written and verbal communication skills in the workplace. This includes letter writing and email etiquette. Students will become involved in decision-making, critical thinking, and cooperative learning. Students learn to become informed consumers while building career knowledge. *Fulfills Financial Literacy graduation*

requirement

Introduction to Marketing **Level 1** **Grade 11-12** **0.5 Credit**
Students will be introduced to Marketing in contemporary American business with emphasis on marketing consumer goods and development of the essential elements of the marketing mix (price, product, place, and promotion). Students enrolled in this course will be required to use the Lumens Platform and will be prepared for success in Term 2 CCP Marketing.Fulfills STEM elective (CTE Business) *Introduction to Marketing will run every other year opposite Introduction to Accounting. This class will next be offered in 2026-2027.* **Prerequisite: Grade 11 and 12 students with an overall B average or better and/or teacher recommendation**

CCP Marketing **Level 1** **Grade 11-12** **0.5 Credit**
This half-year Housatonic Community College (HCC) course offers students the opportunity to earn (3) three HCC credits. Students will study the scope and significance of marketing in American and international business with emphasis on marketing consumer goods and services. Students will study and apply the elements of the marketing mix for a variety of scenarios. For college credit, a student must complete the HCC Application, pass and submit the HCC Final Project, and pass the course with a C or better. Students enrolled in this course will be required to use the Lumens Platform. Fulfills STEM elective (CTE Business) *CCP Marketing will run every other year opposite CCP Accounting. This class will next be offered in 2026-2027.* **Prerequisite: Grade 11 and 12 students with an overall B average AND a B average or better in Introduction to Marketing.**

CCP Accounting I **Level 1** **Grade 11-12** **1 Credit**
This full-year Housatonic Community College (HCC) course offers students the opportunity to earn (3) three HCC credits. Business and personal applications will include introductory concepts, double entry accounting, and the accounting cycle. Each will be applied to services and merchandising, businesses organized as proprietorships, partnerships, and corporations. Accounting I provides a basis for students wishing to further their education in accounting, management, marketing, finance, government, computer-related fields, and business administration. For college credit, a student must complete the HCC Application, pass HCC's final exam and pass the course with a C or better. Students enrolled in this course will be required to use the Lumens Platform. *Fulfills Financial Literacy requirement or STEM elective (CTE Business) HCC Accounting will run every other year opposite HCC Marketing. This class will next be offered in 2027-2028.* **Prerequisite: Grade 11 and 12 students with an overall B average or better and/or teacher recommendation**

Entrepreneurship **Level 2** **Grade 10-12** **0.5 Credit**
This half-year course is designed for students who want to run their own business or are planning to further their education in business. Topics will include the business plan, types of ownership, market strategy, business financing, legal issues, management, and sales. Communication and leadership skills will be developed. Students will also be given the opportunity to explore careers in business. The knowledge acquired from this course will greatly assist young business owners in succeeding in their own business ventures. *Fulfills STEM elective (CTE Business)*

Personal Finance I **Level 2** **Grade 11-12** **0.5 Credit**
This half-year course for juniors or seniors is designed to inform students how individual choices directly influence occupational goals and future earning potential. Topics will include career exploration, resume writing, interview skills, income and taxes, budgeting, and banking services. Students will understand pay, design budgets, evaluate and understand saving and checking accounts, and prepare a basic tax form. This course will provide a fundamental understanding for making informed personal financial decisions leading to financial independence. *Fulfills Financial Literacy requirement*

Personal Finance II **Level 2** **Grade 11-12** **0.5 Credit**
This second Personal Finance course will help students prepare for their financial future by building on their financial management skills. Topics covered in Personal Finance II include investing in stocks, bonds, and mutual funds, using and managing types of credit, paying for college /trade school using loans, grants, and financial aid, financial pitfalls including scams and fraud, identity theft, and bankruptcy. This course will expand on financial decision making to ensure financial independence. *Fulfills STEM elective (CTE Business)* **Prerequisite: C or better in Personal Finance I**

Intro to Advanced Computer Concepts **Level 1** **Grades 10-12** **0.5 Credit**
Students are introduced to computer basics, file management, and application training in a half-year course.

Applications include an introduction to word processing: Microsoft Word, an introduction to spreadsheets: Microsoft Excel and Access, and an introduction to presentation software: Microsoft PowerPoint. Students enrolled in this course will be required to use the CompTia Test-Out Platform and will be prepared for success in Term 2 CCP Advanced Computer Concepts. *Fulfills Computer Literacy requirement. Or Fulfills STEM elective (CTE Business)*

CCP Advanced Computer Concepts **Level 1** **Grade 10-12** **0.5 Credit**
This half- year Housatonic Community College (HCC) course offers self-motivated learners the opportunity to earn (3) three HCC credits. CCP Advanced Computer Applications expands on knowledge acquired in Intro to Advanced Computer Concepts building on terminology and concepts with a focus on hands-on training and software application in Word, Excel, Access, and PowerPoint. Students enrolled in this course will be required to use the CompTia Test-Out Platform and will have the opportunity to take the Office Pro Certification Exam. For college credit, students must complete the HCC Application and meet the requirements identified by Housatonic Community College. *Fulfills Computer Literacy requirement.* **Prerequisite: Grade 10-12 students with an overall B average and/or teacher recommendation who have successfully completed Intro to Advanced Computer Concepts**

Intro to Foundations of Business **Level 1** **Grade 10-12** **0.5 Credit**
Students will be introduced to the functions of business, how business works as well as which skills and functions are required to operate a business. The course will introduce students to entrepreneurship, management, human resources, marketing, social media, e-business, accounting, finance, and the future dimensions of business. Students enrolled in this course will be required to use the CompTia Test-Out Platform and will be prepared for success in Term 2 CCP Foundations of Business. *Fulfills STEM elective (CTE Business)*

CCP Foundations of Business **Level 1** **Grade 10-12** **0.5 Credit**
This half-year Housatonic Community College (HCC) course offers students the opportunity to earn (3) three HCC credits. Students will gain a better understanding of how to effectively operate a business. The course will expand on the environment of business, entrepreneurship, management, human resources, marketing, social media, e-business, accounting, finance, and the future dimensions of business opportunities in a global economy. For college credit, students must complete the HCC Application and meet the requirements identified by Housatonic Community College. *Fulfills STEM elective (CTE Business)* **Prerequisite: Grade 10-12 students with an overall B average and/or teacher recommendation who have successfully completed Intro to Foundations of Business.**

International Business **Level 2** **Grade 10-12** **0.5 Credit**
Students will gain a better understanding of international business and conducting business in the global economy. Students will develop the knowledge and skills to live and work in a global marketplace and a global society. Real-world applications, cross-curricular links, cultural influences, and an emphasis on international communication and trade documentation will strengthen students' global perspectives. *Fulfills STEM elective (CTE Business)*

Cyber Crime **Level 2** **Grade 11-12** **0.5 Credit**
Cyber Crime is a half-year introductory course that explores cyber crimes, cyber terrorism, and digital threats. Designed for students with little to no technical background, this course examines the types of crimes committed using computers, the motivations behind cyber criminals and hackers, and the investigative and legal strategies used to combat these threats. By bridging the gap between criminal justice and technology, students will gain a well-rounded understanding of the challenges faced in modern cybercrime investigations. *Fulfills STEM elective.*

CAREER AND TECHNOLOGY EDUCATION: TECHNOLOGY EDUCATION/PLTW

Course Summary

Grade Level				Course Name	Credit
12	11	10	9	Introduction to Technology *(New 26-27)*	0.5
12	11	10	9	Tech Ed I	0.5
12	11	10	9	Tech Ed II	0.5
12	11	10	9	Graphic Arts Production I	0.5

12	11	10	9	Graphic Arts Production II	0.5
12	11	10	9	Intro to Engineering Design	1
12	11	10		Graphic Arts Production III	0.5
12	11	10		Tech Ed III Construction	1
12	11	10		Principles of Engineering	1
12	11	10		Blueprint Reading I	0.5
12	11	10		Solid Works	0.5
12	11			Aerospace Engineering	1
12	11			Benchworks	0.5
12	11			Digital Electronics	1
12	11			Video Communications	0.5

Graphic Arts Production I **Level 2** **Grade 9-12** **0.5 Credit**
This is a half-year communication technology course that focuses upon print and electronic media. A hands-on course, it uses cloud based software. Students will create assorted graphic projects using Canva to modify and create designs, edit photos, and enhance artwork. Students will learn about the elements and principles of design used in Graphic Arts. There are a number of creative projects in this course such as invitations, advertisements for school events, and creating a calendar**.** *Fulfills STEM elective (CTE Tech Ed)*

Graphic Arts Production II **Level 2** **Grade 9-12** **0.5 Credit**
This is a half-year communication technology course that focuses upon print and electronic media. A hands-on course, it uses cloud based software. This class will expand more on the concepts learned in Graphic Design I and focus more on creating physical custom designed products. Major projects will include tee shirt design, coffee cup design, and an independent choice project. We will also explore other types of software and methods that are used in graphic design. **Prerequisite: Successful completion of Graphic Arts Production I**

Graphic Arts Production III **Level 2** **Grade 10-12** **0.5 Credit**
This is a half-year communication technology course that focuses upon print and electronic media. A hands-on course, it uses cloud based software. Building on techniques and tools mastered in Graphic Design I and II, students will refine their creative thinking and technical abilities to produce high-quality designs. This class will expand more on the concepts learned in Graphic Design I and II. The class will focus more on creating products for a school based enterprise. Students will partake in functional and decorative projects to improve school atmosphere, environment, and assist school staff when needed. Students will also use their combined skills to work on a longer term personal project. Fulfills STEM Requirement. **Prerequisite: Successful completion of Graphic Arts Production II**

Introduction to Technology (NEW in 26-27) **Level 2** **Grade 9-12** **0.5 Credit**
This is a half-year exploratory course designed to provide students with hands-on, applied learning experiences in construction, manufacturing, and technology-related fields. Students will participate in experiential, project-based activities such as building prototypes, safely operating basic tools, and collaborating in teams to solve real-world problems. Through these activities, students will explore career opportunities in architecture, construction, manufacturing, and engineering while developing critical thinking, communication, and workplace readiness skills. As part of the course, students will earn the OSHA-10 industry certification, emphasizing workplace safety and professional standards. *Fulfills STEM elective (CTE Tech Ed)*

Technology Education I & II **Level 2** **Grade 9-12** **0.5 Credit**
Technology Education I and II are hands-on, project driven, courses designed to introduce students to the roles, responsibilities, and requirements of engineering technology, the design/problem solving process, and the four major areas of technology. Components include industrial applications, processes, and impacts related to transportation, manufacturing, communication, and construction. Hands-on problem solving activities are integrated with interactive, direct instruction. The focus of Technology Education I is on lab safety and introduction to equipment use. Students must pass all safety requirements to matriculate into Technology Education II. *Fulfills STEM elective (CTE Tech Ed)*

Technology Education III: Construction **Level 2** **Grade 10-12** **1 Credit**
The aim of Tech Ed III: Construction is to further develop the acquisition of skills, operations technology literacy,

and problem-solving techniques within the context of woodworking. Course activities include individual and team projects, oral presentations while exploring elements of engineering systems, and hands-on construction projects. Power and energy systems will also be introduced as part of this course. *Fulfills STEM Requirement* **Prerequisite: C or better in Technology Education I & II**

Introduction to Engineering Design (IED) **Level 1** **Grade 9-12** **1 Credit**
This initial Project Lead the Way (PLTW) course emphasizes the development of engineering design. Students use computer software to produce, analyze and evaluate models of project solutions. This course includes: Design Process, Adaptive Design Concepts, Understanding Modeling Calculations, Cost Analysis and Quality Control, Engineering Opportunities, and Portfolio Development. To receive college credit students must receive a 6 or greater on the End of Course Exam, earn a 70% average in the course, and submit the PLTW Credit Request Form with $200 (fee subject to change) to The University of New Haven by December of the year of completion. (PLTW Exam required) *Fulfills STEM Requirement*

Principles of Engineering (POE) **Level 1** **Grade 10-12** **1 Credit**
In the second Project Lead the Way (PLTW) course, students are provided an overview of engineering and engineering technology. Students develop problem solving and critical thinking skills through hands-on project based learning. This course includes: Overview and Perspective of Engineering, Design Process, Communication and Documentation, Engineering Systems, Materials and Materials Testing, Thermodynamics, Engineering for Quality and Reliability, and Dynamics. To receive college credit students must receive a 6 or greater on the End of Course Exam, earn a 70% average in the course, and submit the PLTW Credit Request Form with $200 (fee subject to change) to The University of New Haven by December of the year of completion. (PLTW Exam required) *Fulfills STEM Requirement* **Prerequisite: Successful completion of IED and a B or better in Algebra I or teacher recommendation**

Digital Electronics (DE) **Level 1** **Grade 11-12** **1 Credit**
Digital Electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation. To receive college credit students must receive a 6 or greater on the End of Course Exam, earn a 70% average in the course, and submit the PLTW Credit Request Form with $200 (fee subject to change) to The University of New Haven by December of the year of completion. (PLTW Exam required) This course will be offered in the 2026-2027 School Year. Fulfills STEM Requirement Prerequisite: Successful completion of IED or Aerospace or teacher recommendation.

Aerospace Engineering (AE) **Level 1** **Grade 11-12** **1 Credit**
This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. (College Credit based on course grade and PLTW End of Course Exam. Accepted at participating universities) *This course will be offered in the **2027-2028** School Year. Fulfills STEM Requirement* **Prerequisite: Successful completion of IED and POE, or DE and Geometry or teacher recommendation**

Blueprint Reading I **Level 1** **Grade 10-12** **0.5 Credit**
An initial course in Blueprint Reading, offered as a dual enrollment course, in partnership with the Advanced Manufacturing Program at Housatonic Community College. This course introduces students to blueprints and how they are used in industry. Students will be able to label and describe every part of a blueprint, understand the function of every type of line used, and understand the terminology used in regards to prints. Topics include: layouts of blueprints, the different types of line and their uses, different features found on prints, orthographic projections, dimensioning and tolerances, auxiliary and section views, and geometric tolerance. For (2) college credits, students must complete the HCC Application and meet the requirements identified by Housatonic Community College. *Fulfills STEM Requirement*

SolidWorks **Level 1** **Grade 10-12** **0.5 Credit**
This course is an introduction to the principles of computer aided 3-D solid modeling and generating manufacturing drawings. This course is offered as a dual enrollment course in partnership with the Advanced Manufacturing Program at Housatonic Community College, and introduces students to standard computer based

design processes and CAD software. Topics include: design intent and process, sketching techniques, model development techniques, process-specific modeling, design changes, editing models, patterning, and assembly techniques. Students will use the basic design, assembly, and drawing elements of SolidWorks to generate models of simple parts, assemblies, and to create fully dimensioned drawings. For (3) college credits, students must complete the HCC Application and meet the requirements identified by Housatonic Community College. *Fulfills STEM Requirement* **Prerequisite: Successful completion of Blueprint Reading I and teacher recommendation**

Benchwork **Level 1** **Grade 12** **0.5 Credit**
This course is a basic course in the fundamentals, principles, practices and tools used in semi-precision and precision layout including the various tools, methods, and procedures for common machine shop Benchwork. This course is offered as a dual enrollment course in partnership with the Advanced Manufacturing Program at Housatonic Community College. Topics include safety, measurement systems, layout principles, use of hand and power tools. At the end of this course students will have learned the benchwork processes used in Advanced Manufacturing. For (1) college credit, students must complete the HCC Application and meet the requirements identified by Housatonic Community College. *Fulfills STEM Requirement* **Prerequisite: Successful completion of Blueprint Reading I, SolidWorks and teacher recommendation**

Video Communications **Level 2** **Grade 11-12** **0.5 Credit**
In this half-year course, students learn the fundamentals of camera work, digital editing, audio, and broadcasting. Students will create projects such as Public Service Announcements, movie trailers, stop motion and special effects videos. Students will produce a bi-weekly news program, *The Charger News*, which highlights school functions, sports, and other community related events. *Fulfills Humanities, Career/Life Skills or STEM Elective* **Prerequisite: Teacher recommendation**

WELLNESS: PHYSICAL EDUCATION AND HEALTH

Course Summary

Grade Level				Course Name	Credit
		10	9	Personal Health I	0.5
		10	9	Phys Education	0.5
12	11			Introduction to Exercise Science (UB)	1
12	11			Personal Health II	0.5
12				ACE Personal Trainer (UB HSCI 324)	1

Physical Education **Level 3** **Grade 9-10** **0.5 Credit**
As part of the freshmen and sophomore core program, students will be offered one semester per year. Emphasis will be placed on physical fitness activities, including muscle strength and endurance, flexibility, and aerobic development. Team activities will be introduced with special attention to skill development. Two semesters are required for graduation. *Fulfills PE requirement*

Personal Health I **Level 2** **Grade 9-10** **0.5 Credit**
In this course students gain an understanding of the physiological, sociological, and psychological concepts of "self". Further, the course includes topics associated with mental health, wellness, mental illness, nutrition, and alcohol. *Fulfills Health I requirement.*

Personal Health II **Level 2** **Grade 11-12** **0.5 Credit**
This course content includes healthy relationships, sexual health education, diseases including sexually transmitted disease education, physical activity, drug abuse, and stress management and coping skills. *Fulfills Health II requirement.*

Introduction to Exercise Science **Level 1** **Grade 11-12** **1 Credit**
As part of the Allied Health Pathway at Ansonia High School students will be offered a full year class in an

Exercise Science program in partnership with the University of Bridgeport's School of Health Sciences (HSCI). Introduction to Exercise Science is intended to introduce students to the numerous "sub-disciplines" of exercise science. Students will discuss each sub-discipline (sport nutrition, exercise physiology, sport psychology, etc.) and attempt to put lecture information into practice in a series of "assigned scenarios" designed to expose students to activities that professionals such as sports nutritionist, exercise physiologist, etc. might be expected to perform as a part of their day-to-day work. Upon completion of the course, students should have a strong general knowledge of the numerous sub-disciplines that comprise the discipline of exercise science.

ACE Personal Trainer **Level 1** **Grade 11-12** **1 Credit**
This course will teach students to assess individual fitness levels and create customized plans to help clients achieve personal fitness goals. The course consists of a combination of classroom lectures and hands-on training in the AHS weightlifting room. Students will be given the knowledge and understanding necessary to prepare for the ACE Personal Trainer Certification Exam and become effective personal trainers. This course presents the ACE Integrated Fitness Training™ (ACE IFT™) Model as a comprehensive system for designing individualized programs based on each client's unique health, fitness, and goals. The information covered by this course and the ACE IFT Model will help students learn how to facilitate rapport, adherence, self-efficacy, and behavior change in clients, as well as design programs that help clients to improve posture, movement, flexibility, balance, core function, cardiorespiratory fitness, and muscular endurance and strength. The American Council on Exercise Certified Personal Trainer (CPT) exam must be taken within 60 days of course completion. **Prerequisite: Successful completion of Introduction to Exercise Science**

MISCELLANEOUS

Course Summary

Grade Level				Course Name	Credit
12	11	10		Future Educators I	0.5
12	11			Future Educators II	0.5
12	11			Life Coach Asst.	0.5
12	11	10	9	Fresh Seminar-S1 / S2	0.5 / 0.5
12	11			Student Intern	0.5
12	11			School Store Internship	0.5
				Independent Study	0.5 / 1
12	11	10	9	Work Awareness	0.5 / 1
12	11	10	9	AM Warriors	0.5 / 1

Future Educators I **Level 2** **Grade 10-12** **0.5 Credit**
This half-year course is a College Career Pathway for the future educator. Students will gain perspective about the field of education, will learn the qualities of an effective teacher, will explore techniques involved in lesson planning and classroom management, and will take field trips to field site facilities for the purpose of career awareness. Overall, students will learn the necessary skills for careers in education such as teacher, school counselor, school psychologist, school social worker, speech language pathologist, administrator, curriculum coordinator, coach, and athletic director.

Future Educators II **Level 1** **Grade 11-12** **0.5 Credit**
(Teachers, Schools, & Society / SCSU EDU 200) This half-year course is an examination of the social, cultural, and political origins of contemporary schooling, with a focus on schools as social institutions that reflect larger social conflict and change. The course focuses on the role of teachers as both actors and subjects of educational reform movements. The course includes required field experiences in an educational setting (30 hours practicum). Students have the opportunity to earn three credits (3) for EDU 200 from Southern Connecticut State University. Special Information: Field work required. **Prerequisite: Successful completion of Future Educators I and strong interest in a career in education**

Unified Life Skills **Level 2** **Grades 10-12** **0.5 Credit**
This one semester course, offered twice yearly, is available to selected regular education students who fill out an application and meet specific requirements. The program includes daily involvement with peer students who *have* significant disabilities and are enrolled in the Life Skills course. Responsibilities focus on assisting with the training of functional life skills as well as social/behavioral role modeling. Two project requirements; one community based, and one instructional assignment must be accomplished for successful completion of this program. For students who are interested in public service careers, this will be a valuable experience.

Freshman Seminar S1 & S2 **Level 3** **Grade 9** **0.5/0.5 Credit**
This year-long course is designed to assist freshmen in a successful transition to high school and in planning for a future beyond high school. The course provides students with opportunities for academic enrichment and assistance, as well as the chance to improve organizational and communication skills. Students will research and identify career options and will explore career clusters and pathway programs.

Student Interns **Pass/Fail** **Grade 11-12** **0.5 Credit**
School to Career interns are designed to provide school- based and work-based learning in an official setting. Approved students will be placed in one of the school offices, the Main Office, the Guidance Office, Media Center or will work with a willing teacher, and will be taught work ethic, interpersonal and communication skills, as well as placement specific skills. They may also be introduced to general office procedures and will receive hands-on experience using office technology. *No student will earn more than one-half credit for an office internship during his/her high school career.*

School Store Internship **Pass/Fail** **Grades 11-12** **0.5 Credit**
Students interested in entrepreneurship and business will work independently in the school store to promote and manage products. Students will be required to select and display merchandise, manage inventory and cash drawer, and provide customer service. DECA and FBLA members preferred. **Prerequisite: Grades 11-12 Business Teacher recommendation and approval by CTE Lead Teacher**

Independent Study **TBD** **TBD** **0.5 / 1 credit**
Designed to accommodate the motivated student desiring educational experiences beyond those offered in the curriculum or the student's present program of study. Independent study programs will not be approved for the purpose of making up previously failed courses. Specific rules/regulations for Independent Study Option are provided on the application.

Prerequisites for Participation:
- Obtain application form in the guidance office.
- The Independent Study Option form must be signed by the student, teacher or mentor, parent, counselor, and then the principal. One copy will be forwarded to the teacher, and one copy will be on file in the guidance office.
- The counselor will notify the teacher as soon as all approvals are obtained.
- Teacher participation is voluntary.
- The Independent Study Option form must be submitted for approval by the end of the second week of the semester.
- Independent Study Option programs will not be used as a substitute for any course.
- Specific curriculum must be implemented for all Independent Study courses that assign a numerical grade

Work Awareness **Pass/Fail** **Grade 9-12** **0.5 / 1 credit**
This semester based full year (1 credit) or half-year (0.5 Credit) course is offered to students interested in career exploration. Students must be currently employed to qualify for participation; upon gaining enrollment as an employed individual, specific lessons and job related tasks will accompany required hours of employment. Students may be given early dismissal privileges, where appropriate, receive school credit, gain occupational experience, and earn substantiated wages. Credit is awarded per successful completion (PASS/FAIL) of each individual semester. **Prerequisite: Must show proof of employment and maintain employment**

A.M. Warriors **Pass/Fail** **Grade 9-12** **0.5 / 1 credit**
This before-school, early morning physical program is designed *"to prepare every learner to meet ever changing personal and global challenges*." Within the same mission and expectations, specific reference is made to both

Civic as well as Social goals for all students. Students in *5:30AM Warriors* develop an understanding of individual rights, roles and responsibilities within the community, and the benefits of a healthy lifestyle. Direct linkage to both state and national standards of "the physically educated person" will be embedded within the daily practices involved. **Prerequisite for Participation:**

- Obtain application form in the guidance office.
- The contract must be signed by the student, parent, counselor, Officer Barry and then the principal.
- *50 Credit (75 hours) 1 Credit (150 hours)*

Multilingual Learning

(*Formerly known as ESL/ESOL)*

Course Summary

Grade Level				Course Name	Credit
12	11	10	9	ML I	1
12	11	10	9	ML II	1
12	11	10	9	ML III	1

Multilingual Learning I **Level 3** **Grades 9-12** **1 Credit**
This course is designed to explore the development of basic communication skills (speaking, understanding, reading, writing) with emphasis on pronunciation, intonation and spelling, vocabulary acquisition, grammar, and language related to daily living. Appropriate placement is for students who have been living in the U.S for less than one year. *Fulfills Humanities Elective or Career/Life Skills Credit*

Multilingual Learning II **Level 3** **Grades 9-12** **1 Credit**
This course continues the development of basic grammar and communication skills and emphasizes comprehension of different literary forms. *Fulfills Humanities Elective or Career/Life Skills Credit*

Multilingual Learning III **Level 3** **Grades 9-12** **1 Credit**
Students concentrate on academic reading and writing in addition to the study of advanced grammar and vocabulary. *Fulfills Humanities Elective or Career/Life Skills Credit*

SPECIAL EDUCATION

Resource Room **Pass/Fail** **Grades 9-12** **0.5 Credit**
This course is designed for students who have *Individualized Educational Plans* and receive all academic coursework and grades from the regular education teachers. These students will receive a pass (P) or fail (F) grade and a 0.5 Credit for each half-year successfully completed in the Supportive Resource Room. Class work is based on the individual student's mainstream academic course load.

Self-Contained Classroom **Level 3** **Grades 9-12** **1 Credit**
Available in English, Math, Science and Social Studies to students who have Individual Educational Plans. Self-Contained classrooms provide students with class instruction on a more individualized basis for students with varying levels of cognitive needs. Skills taught in each subject vary depending on the student's individualized goals and objectives. **Prerequisite: Recommendation by PPT**

Functional Life Skills **Pass/Fail** **Grades 9-12** **1 Credit**
This course is designed to embed core subject learning, (English, Math, Science, and Social Studies) in a functional way that focuses on Life Skills topics tailored around a student's specific goals and objectives. The program focuses on daily living skills, hands on learning, as well as pre-vocational and transition skills. Students' progress will be tracked on an ongoing basis to document and develop independent pre-employment skills. Access to business establishments within the local community will be available as well as opportunities for inclusion with other classes, peers and community helpers. **Prerequisite: Placement in this course is based solely on a PPT decision**

INTERVENTION SUPPORT

Developmental Reading and Writing **Level 4** **Grades 9-11** **0.5 Credit**
This course is intended for students in need of Tier II or Tier III reading intervention as revealed by individual student performance on Common Formative and Benchmark assessments driven by Scientific Research-Based Interventions (SRBI). Students are placed in either a Tier II or Tier III reading subset, respective to assessment scores, and receive additional skill-based support designed to reinforce curriculum standards in reading and writing in addition to the required full year English course. *Fulfills Humanities Elective* **Prerequisite: English department recommendation and benchmarks**

Math Lab **Level 4** **Grades 9-11** **0.5 Credit**
This course serves as an SRBI support. It consists of two types of interventions, Tier II and Tier III. Students in Tier II intervention meet twice a week to support math being taken concurrently within another full year course and to support homework completion and skills. Within Tier III, students meet three times a week to fill individual skill gaps that will enhance numeracy, graphing, solving, and arithmetic skills. This course is also taken in conjunction with the regularly scheduled, full year math course. *Fulfills STEM elective* **Prerequisite: Teacher recommendation and class benchmarks**

AHS CAREER PATHWAYS

A pathway is a sequence of courses within an area of interest. It can serve as your educational road map guiding you to the high school courses and post-secondary options most relevant to your chosen career destination. A pathway will help you acquire knowledge and skill linked with specific post-secondary programs (college / trade school / training) that will lead to a certificate or degree and / or career. The following pages include information about the pathway programs and a recommended course sequence when following a particular pathway.

Advanced Manufacturing Pathway

Partnership with Connecticut Community College, Housatonic Campus

- Designed for students who enjoy design, technology, and machinery and are interested in a variety of industries (aerospace, transportation, medical, robotics, etc.)
- Competitive internship opportunity available with Sikorsky/Lockheed Martin Teamster
- Start working after completing the HCC Advanced Manufacturing Certificate Program!



Grade 9 - Tech Ed I / II
Grade 10 - Tech Ed I/II or Graphic Arts Production I/II
Grade 11 - Blueprint Reading, SolidWorks, Advanced Computer Concepts
Grade 12 - Tech Ed III, Graphic Arts Production III, Benchworks



Business Pathway

Partnership with CT State Community College, Housatonic Campus

- Designed for students interested in all aspects of business (accounting, marketing, finance, international business, etc.). Students enrolled in the business pathway are encouraged to join business clubs (DECA and / or FBLA), participate in a school store internship, and may meet the requirements of the National Business Honor Society.
- Internship opportunity available with Sikorsky Credit Union

Honors Track
Grade 9 - Intro to Business Editing & Publishing, Computer Applications I
Grade 10 - Global Business, Business Sports & Entertainment, Entrepreneurship, Foundations of Business and / or Advanced Computer Concepts
Grade 11 - Marketing or Accounting AND Personal Finance I/II
Grade 12 - Marketing or Accounting, Advanced Computer Concepts, Business Editing & Publishing

College Prep
Grade 9 - Intro to Business Editing & Publishing, Computer Applications I
Grade 10 - Global Business, Business Sports & Entertainment, Entrepreneurship
Grade 11 - Foundations of Business AND Marketing or Accounting
Grade 12 - Marketing or Accounting AND Personal Finance I/II

Other
Grade 9 - Computer Applications I
Grade 10 - Consumer Economics
Grade 11 - Personal Finance I, Intro to Foundations of Business
Grade 12 - Entrepreneurship, Business Sports & Entertainment, Global Business



Education Pathway

Partnership with Southern Connecticut State University

- Designed for students interested in a career in teaching, school counseling, social work, school psychology, administration, etc.
- Get hands on experience working with elementary school students
- Required Practicum: 30 hours of Elementary, Middle, or High School Experience

Grade 11 - Future Educators I/II, Life Skills Assistant, Intro to Sociology, Intro to Psychology
Grade 12 - Intro to Psychology and Sociology or AP Psychology, African American/Black and Puerto Rican/Latino Studies

Engineering Pathway



Partnership with University of New Haven, Project Lead the Way

- Designed for college bound students interested in a career in engineering (mechanical engineering, electrical engineering, aerospace engineering, etc.) who enjoy creative problem solving and hands-on projects.
- Competitive internship opportunity available with Sikorsky/Lockheed Martin, Teamsters or Project Lead The Way.

Grade 9 - Introduction to Engineering Design
Grade 10 - Principles of Engineering
Grade 11 - Aerospace or Digital Electronics, Blueprint Reading, SolidWorks
Grade 12 - Physics, Aerospace or Digital Electronics, Benchworks
Additional suggested electives- Tech Ed I/II, Graphic Arts I/II, Advanced Computer Concepts

PLTW College/University partners can be found here:
https://www.pltw.org/our-partners/colege-and-university-partners



Exercise Science / Personal Trainer Pathway

Partnership with the University of Bridgeport

- Designed for students interested in a career in Exercise Science, Physical Fitness and/or Athletics.
- Students completing the Exercise Science / Personal Trainer Pathway will be prepared to take the ACE Personal Trainer Certification Exam.

Grade 10 - Business Sports & Entertainment
Grade 11 - Introduction to Exercise Science
Grade 12 - Anatomy & Physiology, African American/Black and Puerto Rican/Latino Studies, ACE Personal Trainer



Law & First Responder Pathway

Partnership with the University of Bridgeport

- Designed for students interested in careers in law or first response. This program prepares students for roles such as police officer, firefighter, paramedic, lawyer, or paralegal, and provides a strong foundation for careers in criminal justice, cybersecurity, emergency management, and the military.
- Students can participate in AM Warriors Program, Mock Trial Team, Police Cadet Program in partnership with Beacon Falls.

Grade 10 - Criminal/Juvenile Justice or Introduction to Criminal Justice, Contemporary Issues
Grade 11 - Intro to Psychology, Sociology, Intro to Forensic Science, Intro to Accounting / CCP Accounting
Grade 12 - AP Psychology, Cybercrime, African American/Black and Puerto Rican/Latino Studies



Patient Care Technician Program Pathway

Partnership with Griffin Hospital: School of Allied Health

- Designed for students interested in a career in the medical field (e.g. nurse, physician's assistant, surgeon, radiologist, etc.)
- Volunteer at Griffin Hospital for 50+ hours
- Graduates can begin working immediately as a Certified Patient Care Technician (CPCT) and Certified Phlebotomy Technician (CPT).

Sophomore Requirements for Acceptance into the PCT Program are:

- ➔ 90 average or better in science
- ➔ 3.0 or better GPA
- ➔ Less than ten unexcused absences
- ➔ Good behavioral standing
- ➔ Letter of Intent
- ➔ Formal Interview
- ➔ Commit to 50 volunteer hours per year (beginning summer after sophomore year)

Grade 9 - ECE Intro to Allied Health
Grade 10 - Biology and Intro to Computer Science
Grade 11 - Chemistry, Anatomy & Physiology, Personal Health II, Personal Finance I
Grade 12 - Fall Semester at AHS - ECE Medical Terminology, Senior Comp and ½ credit English OR 1 full credit blocked English / Spring Semester at Griffin Hospital: School of Allied Health

Ansonia High School

Core Values, Beliefs, and Learning Expectations

Core Values

Courtesy · Pride · Perseverance · Cooperation

Chargers Promoting Positive Change

The mission of AHS is to prepare all students to reach their potential by teaching them the knowledge, skills and behaviors necessary for academic, civic, and social success. Students will be college and career ready in the ever-changing technological world of the 21st century by meeting high expectations, engaging in authentic problem solving, and utilizing critical thinking.

Academic Expectations

- Apply critical thinking skills to solve problems
- Access, evaluate, apply, and communicate information and ideas through writing, speaking, and effective use of technology
- Read effectively for a variety of purposes
- Work independently, reflectively, and/or collaboratively to accomplish goals

Civic Expectation

- Demonstrate service to the school and community

Social Expectation

- Demonstrate respect for self, others and property within our school community

Approved: BOE 11/02/2016