WINDHAM HIGH SCHOOL

PROGRAM OF STUDIES

2026-2027

Windham High School – 355 High Street – Willimantic, CT 06226

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ACCREDITATION STATEMENT

Since 1948, Windham High School has been accredited by The New England Association of Schools and Colleges, a non-governmental, nationally recognized organization whose affiliate institutions include elementary schools through collegiate institutions offering post-graduate instruction.

Accreditation by the New England Association of Schools and Colleges indicates that an institution meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. As an accredited school, Windham High School is recognized as having the necessary resources to achieve the stated missions through appropriate education programs.

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

WINDHAM PUBLIC SCHOOLS LEADERSHIP

Superintendent of Schools

Dr. Iris Gomero

Assistant Superintendent

Mr. Neil Weathers

Board of Education

Ms. Lynne Ide, Chair of the Board

Mr. Brendan O'Neill, Vice Chair of the Board

Dr. Catina Caban-Owen, Secretary

Mr. Mark Doyle

Mr. Gary Fetzer

Dr. Mary Gallucci

Ms. Paula Haney

Ms. Mia Mitoma

Ms. Catherine Aillón Pomo

WINDHAM HIGH SCHOOL LEADERSHIP

Principal

Mrs. Pamela Cavanagh

Assistant Principals

Mrs. Fatima Piresson

Mr. Patrick Risley

Dean of Students

Mr. Joshua Hibbard

IMPORTANT CONTACT INFORMATION

Main Office: 860-465-2460

Attendance: 860-465-2468

Athletic Director – Zachary Konopka: 860-465-2485

School Counseling Department:

Office: 860-465-2470- Ms. Madeline Cook (Admin Assistant)

Counselors: (*Students are assigned by their last name & grade unless otherwise specified*)

Ms. Janaelle Robles – Grade 9

Ms. Grys Almanzar

Ms. Kimberly Calderon

Ms. Klara Toth

Support Services Staff:

Office: 860-465-2460

Social Worker: Mr. Neal O'Keefe

Social Worker: Mrs. Silvia Ferreira Emond

Social Worker: Ms. Francy Filigrana

WHS: School Nurse: Christina McClintock 860-465-1613

Family Liaison: Diana Lopez 860-465-2472

School Based Health Center and Wellness Center: 860-465-2465

Licensed Clinical Social Worker, School Based Health Center: Julie Hoagland

Connecting with Staff:

All teachers and staff can be reached via email.

All contact information can be found on the Windham Public Schools website.

www.windhamps.org

DISTRICT MISSION STATEMENT

Windham Public Schools provides all students equitable access to a high-quality education and graduates students who are prepared to become productive members of society. The school district and community hold a commitment to support cultural and linguistic diversity, deep student engagement, in preparation for our students to be successful in college, career, and life.

DISTRICT VISION

All Windham Students will be deeply engaged in their own learning, challenged by high expectations, supported by staff, family, and community, and will graduate with the competence and confidence needed for success.

DISTRICT THEORY OF ACTION

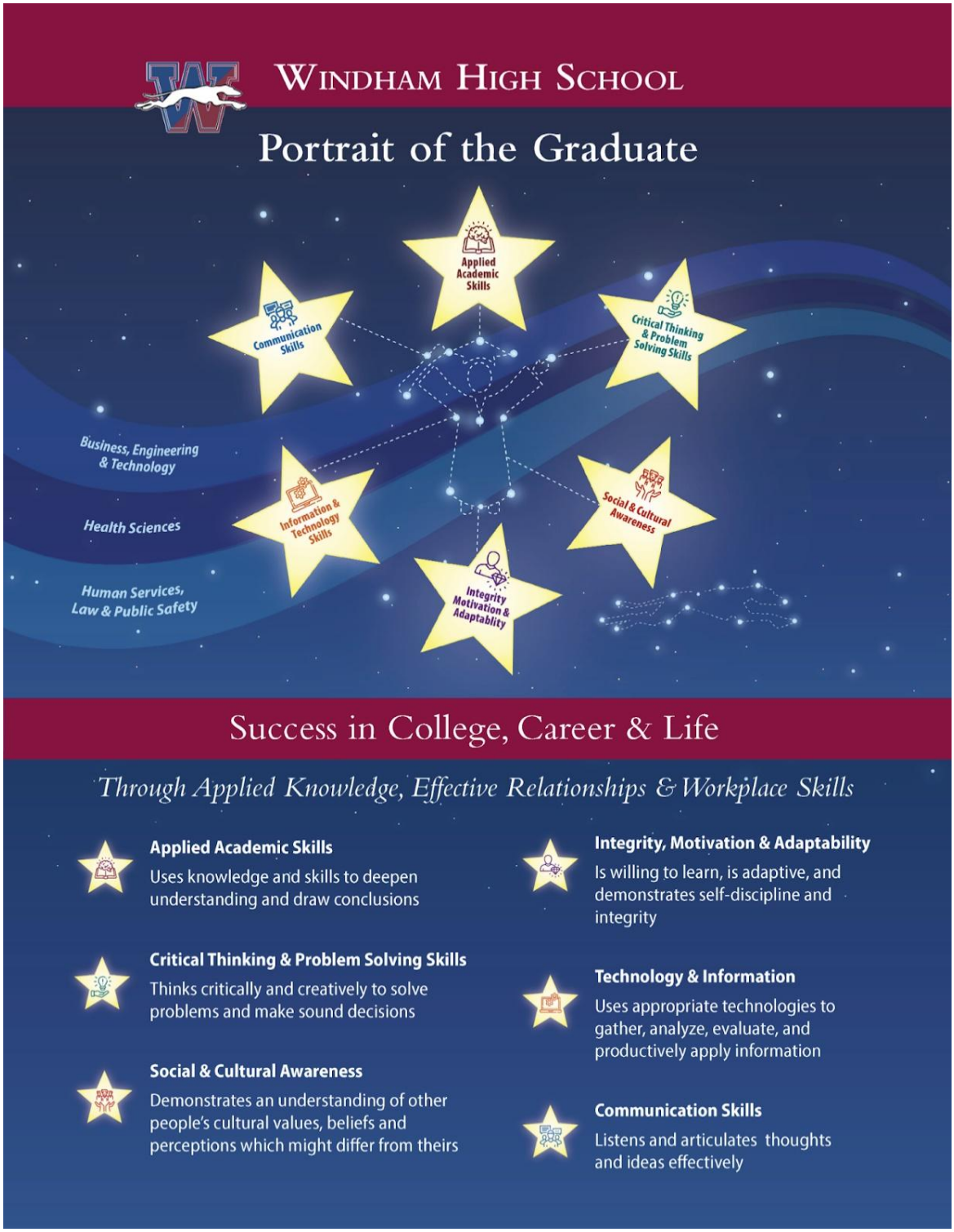
If we ensure high-quality, culturally relevant instruction in every classroom, strong hiring practices, high levels of support for teachers, strong accountability practices based on data, courageous leadership, and effective engagement with families and the community, then student achievement will improve, more students will perform at or above grade level, and achievement gaps will improve or disappear.

CORE BELIEFS:

- All students can achieve at high levels
- It is the duty of our organization to provide ALL students with opportunities and access to resources to develop their full potential.
- Strong teaching and learning are a foundation for successful schools.
- The entire staff is valued as a key component to the success of our organization.
- Parents of our students are our partners in helping us develop lifelong learners who grow up to be productive citizens.
- A rich and diverse community enriches us and strengthens our students with 21st century skills.
- It is our responsibility to remove all barriers to success.

PORTRAIT OF THE GRADUATE

Windham High School prepares its graduates for a future that requires them to not only have content knowledge, but also the transferable skills and dispositions necessary for success in a diverse and rapidly changing world. Below is our Portrait of the Graduate which shows these important attributes that Windham High School graduates possess.



SCHOOL COUNSELING DEPARTMENT

The Windham High School Counseling Department (SCD) aims to help every student maximize their learning, navigate the school's curriculum, and prepare for post-secondary success. Services include course planning, individual and college/vocational counseling, and personal problem resolution as part of a proactive, comprehensive counseling program. In a rapidly changing, technology-driven world, SCD focuses on equipping students with the flexibility and problem-solving skills needed to adapt and lead.

The program offers developmentally appropriate activities for each grade level, led by certified counselors in collaboration with teachers, administrators, parents, and the community. It emphasizes academic, career, and personal/social development, fostering skills such as problem-solving, interpersonal effectiveness, decision-making, goal-setting, and planning—essential for success in the 21st-century workplace.

Parents are encouraged to stay actively involved in their child's education by reviewing homework, discussing progress, and using report cards and progress reports to guide future goals. For class-specific questions, parents can contact teachers via phone (860-465-2460) or email (available on the WHS website). For broader concerns or assistance, the SCD is available at 860-465-2470 and can provide support or referrals as needed.

GRADUATION REQUIREMENTS

State of Connecticut- requirement for graduation: students must earn a minimum of 25 credits, including no fewer than:

Graduation Requirement	Credits Required:	Details:
Humanities	9.00	Includes English, social studies, fine arts, civics, and the arts
Science, Technology, Engineering & Mathematics	9.00	Includes personal finance (class of 2027 and beyond)
Physical Education and WELLNESS	1.0	
Health and Safety Education	1.00	
World Languages	1.00	
Mastery Based Diploma Assessment (MBDA)	1.00	
Total Minimum Credits	**25**	

PREPARING FOR COLLEGE

The following chart demonstrates the ***recommended requirements*** for a College Preparatory Program: students planning to attend a four-year college or university should take the most rigorous course load they can manage.

Subject Area(s):	Credits:
HUMANITIES	*9.00*
• Performing & Visual Arts (Art, Music)	1.00
• English	4.00
• Social Studies	3.00 (including US History & Civics)
• Electives	1.00
STEM – Science, Technology, Engineering & Mathematics	9.00
• Mathematics	3.00 (including Algebra I, Algebra II, & Geometry)
• Science	3.00 (including 2 laboratory sciences)
• Electives	3.00
WELLNESS	2.00
• Physical Education	1.00
• Health & Safety	1.00
WORLD LANGUAGE	1.00
• 2-4 consecutive years of a world language	2-4.00
ELECTIVES	3.00
MASTERY BASED DIPLOMA ASSESSMENT	1.00

PLANNING YOUR PROGRAM OF STUDY

Each year, students plan their program of study with their counselors, teachers and parents. The counselor provides information about courses, requirements for graduation, career opportunities, and interprets standardized test scores for the students so that they may come to know their aptitudes and interests, as well as opportunities available to them. These facets, along with parental guidance and teacher recommendations, help students to make carefully considered choices. Course levels are recommended by the student's current teachers. Parents can use these recommendations to help their student plan the best course of study that allows them to attain their goals. Parents always have the option to request a different course level for their student. A discussion with the school counselor is the best place to begin this process. Students must enroll in the equivalent of 3.5 credits each semester.

COURSE LEVELS

College Prep (CP) — Recommended for students planning to pursue post-secondary education. These courses will prepare students for admission to and success in post-secondary education.

Honors (H) — Recommended for highly motivated students planning to pursue post-secondary education who demonstrate superior academic performance. These courses typically require increased independent educational/study requirements compared to College Prep level, and are recognized as being worthy of special consideration in determining value of grades and/or preparation for college-level work. That is to say an "A" in an honors level course carries more weight than an "A" in a College Prep level course. This extra weight is applied when computing a student's grade point average. Colleges also look more favorably at students who have taken a more rigorous course load.

AP/ECE/QVCC/ECSU — Recommended for students planning to pursue post-secondary education, who are highly motivated, capable of superior work in a subject area, and who want to attain high school and college credit through the Advanced Placement exam process, QVCC courses, and/or, UConn Early College Experience program, and/or ECSU Duel enrollment. These courses require increased independent educational/study requirements compared to Honors level and are recognized as being worthy of special consideration in determining value of grades and/or preparation for college-level work. That is to say an "A" in an AP level course carries more weight than an "A" in a College Prep level course. This extra weight is applied when computing a student's grade point average. Colleges also look more favorably at students who have taken a more rigorous course load.

GRADE WEIGHTING/CLASS RANK

All subjects are classified on the basis of degrees of difficulty. Students earn quality points based on difficulty and performance levels. Pass/fail courses have no quality points. The system is a 4.0 system.

Num. Grade	Alpha Grade	"AP" (2.00)	Level 4 (1.75)	Level 3 (1.50)	Level 2 (1.25)	Level 1 (1)
97 – 100	A+	8.00	7.00	6.00	5.00	4.00
93 – 96	A	7.34	6.42	5.51	4.59	3.67
90 – 92	A-	6.66	5.83	5.00	4.16	3.33
87 – 89	B+	6.00	5.25	4.50	3.75	3.00
83 – 86	B	5.34	4.67	4.01	3.34	2.67
80 – 82	B-	4.66	4.08	3.50	2.91	2.33
77 – 79	C+	4.00	3.50	3.00	2.50	2.00
73 – 76	C	3.34	2.92	2.51	2.09	1.67
70 – 72	C-	2.66	2.33	2.00	1.66	1.33
67 – 69	D+	2.00	1.75	1.50	1.25	1.00
63 – 66	D	1.34	1.17	2.02	.84	.67
60 – 62	D-	.66	.58	.50	.41	.33
00 - 59	F	.00	.00	.00	.00	.00

Class Rank

1. All graded courses that are awarded credit will be included in calculation of rank in class.

2. Pass/Fail courses will not be included in rank calculations.

3. High school level classes taken at middle schools/junior high schools will not be included in rank calculations.

4. Grade point averages will be calculated for all students on an 8.0 system using quality points. (See previous section.)

5. Rank in class will be computed at the end of each semester and is cumulative.

6. Grades will be weighted for the purpose of rank in class based on the Quality Point Table.

7. The sixth semester rank will be used for college applications and is the official rank recorded on each student's transcript. The cumulative rank at the end of the seventh semester will be used for WHS scholarship considerations.

8. Courses which are taken out of district for enrichment and/or personal growth will not be considered for class rank calculations. Summer school classes taken at WHS or other high schools will not be counted in class rank calculations.

Legal Reference: Connecticut General Statutes- P.A. 99-81 An Act Concerning Weighted Grading for Honors Classes

Policy adopted: December 5, 2007

COLLEGE AND CAREER PATHWAYS

Windham High School students select a College and Career Pathway in 9th grade in their Career Exploration class. It is recommended that students take three courses in their pathway to prepare them for college and/or careers in their chosen fields.

CAREER PATHWAY	ELECTIVE COURSES
Business, Engineering & Technology	• Advanced Manufacturing • Blueprint Reading and 3D Design Software • Cooperative Work Education • Cooperative Work Education – Internship • ECE UCONN Principles of Microeconomics • ECE UCONN Principles of Macroeconomics • Intro to Computer Applications • Intro to Game Design • Intro to Computer Science • Intro to Manufacturing • Marketing - Honors • Marketing • Math for the Trades • Personal Finance • Digital Arts • Programming • QVCC Intro to Business • QVCC Personal Finance • Retail Management
Health Sciences	• Anatomy & Physiology • ECSU General Chemistry • ECSU Human Biology • Health • UCONN Allied Health • UCONN ECE Biology • UCONN ECE Biotechnology • UCONN ECE Medical Terminology
Human Services, Law, and Public Safety	• AP American Government • AP Psychology • Forensics (2 choices) • Law and Criminal Justice • Psychology • Sociology • UCONN ECE Individual and Family Development

EASTERN CT'S YOUTH MANUFACTURING PIPELINE INITIATIVE (YMPI)

The Youth Manufacturing Pipeline Initiative is based on the Eastern CT Workforce Investment Board's (EWIB) nationally recognized Manufacturing Pipeline Initiative (MPI). The curriculum is recognized by the Eastern Advanced Manufacturing Alliance Regional Sector Partnership (EAMA RSP) which consists of more than 35 manufacturing companies (including General Dynamics Electric Boat) in Eastern CT as rigorous and skilled training courses that prepare individuals for entry-level jobs in manufacturing.

Manufacturing companies in Eastern CT have a large demand for jobs for years to come. And with many workers in this field reaching retirement age, there is an extensive demand for these jobs to be filled. EWIB, in collaboration with CT State Community College, EAMA RSP, and other regional partners, designed the YMPI to implement skilled manufacturing exposure and training for K-12 schools, to prepare for the next generation of manufacturers! From elementary, middle, and high school, we have opportunities for students to learn and advance into careers in manufacturing.

The Opportunity:

The Youth Manufacturing Pipeline Initiative (YMPI) Training:

The YMPI program is delivered in partnership with comprehensive high schools throughout Eastern Connecticut. The program offers manufacturing skills training, career exploration, work-based learning, and other career development and awareness opportunities to high school students interested in a manufacturing career upon graduation. Students interested in YMPI training should contact their school's guidance departments to learn more about the manufacturing classes offered at their school.



The Training:

Students who enroll in this program will:

*Complete 150 hours of hands-on training taught during the school day in their individual schools.

*Gain foundational manufacturing job skills. Including employability skills through business and industry partnerships.

*Gain access to manufacturing employers through various career fairs and events.

*Receive one-on-one job search assistance through the American Job Center's business services team.

*Receive a YMPI certificate at completion for career pathways, college credits, and pre-apprenticeship hours.

EASTERN CT'S YOUTH EARLY CHILDHOOD EDUCATION PIPELINE (PILOT)



The Youth Early Childhood Education Training:

The ECE pipeline training program targets high school Juniors and Seniors with a jump start toward a meaningful, high-demand career in early childhood education. Through classroom instruction, hands-on experience, and structured mentorship, students gain real-world skills, earn college credit, and position themselves for immediate employment in a growing field that is steadily advancing toward professional wage parity with the K–12 system. This pipeline creates equitable access to living-wage careers while addressing the critical workforce shortage in early education.

What is the CDA?

- A nationally recognized credential in early childhood education
- Validates skills and knowledge in caring for children birth–5 years
- Offered by the Council for Professional Recognition



This project is supported in part by grant funding awarded through The Connecticut Project.



Healthcare Pipeline Initiative (HPI)

Train for a Healthcare career!

EASTERN CT
HEALTHCARE PIPELINE INITIATIVE

Prioritize Your Healthcare Career Journey!

Register on our website:
ewib.org/healthcare

Healthcare employers are hiring!

Learn entry level skills needed for the job

Training is at no cost to the employer or student

Stipends and supports may be available

Guided job search assistance available

Short-Term Training programs available:

- CNA
- EMT
- Phlebotomy
- Medical Assistant
- and more!

EWIB
EASTERN CT WORKFORCE INVESTMENT BOARD

CONNECTICUT DEPARTMENT OF LABOR
Partner of the American Job Center Network

americanjobcenter EASTERN CT

All CT residents 18 or older who are authorized to work in the U.S. are eligible for the program. The program is provided at NO COST to eligible participants. The Eastern CT Healthcare Pipeline Initiative is funded by the Eastern CT Workforce Investment Board (EWIB) through a variety of state, private and philanthropic grant funds.

This project is being supported in part by the U.S. Department of the Treasury federal award number SLFRP0128 and the U.S. Department of Commerce Economic Development Administration award number ED22HQ3070186 awarded to State of CT Office of Workforce Strategy.

HOW TO EARN COLLEGE CREDIT AT WHS:

UCONN'S EARLY COLLEGE EXPERIENCE (ECE)

UConn ECE instructors are high school teachers certified as adjunct professors by UConn faculty. They create a classroom environment fostering independent learning, creativity and critical thinking – all pivotal for success in college. To support rigorous learning, University of Connecticut library resources are available to all UConn ECE students.

UConn ECE students must successfully complete the course with a grade of C or above in order to receive University credit. University credits are highly transferable to other colleges and universities. For additional program information visit: www.ece.uconn.edu.

EASTERN CONNECTICUT STATE UNIVERSITY EARLY COLLEGE EXPERIENCE (ECE)

Eastern Connecticut State University's Early College Experiences include two prominent programs offering opportunities for high school students to gain early exposure to higher education.

QUINEBAUG VALLEY COMMUNITY COLLEGE (QVCC)

QVCC instructors are high school teachers certified as adjunct professors by UConn faculty. Windham High School offers QVCC courses in QVCC Intro to Business and QVCC Personal Finance. Students who successfully finish the course will receive QVCC credit.

ADVANCED PLACEMENT COURSEWORK AND EXAMS

Advanced Placement (AP) Examinations are college level courses taught in a high school. AP Examinations are required to be taken in May. These examinations are taken to earn college credit. Colleges require certain scores on the exams to award credit. Colleges may award either actual credits or advanced standing for accepted courses. For more information, visit www.collegeboard.org.

Eastern Connecticut State University WHIP (Windham High Incentive Program) PROGRAM

ECSU's WHIP program is offered to juniors and seniors who are in the top 30% of their respective classes. Students complete registration forms and then meet with ECSU's Advising Department prior to being placed in a class. More information is available from the student's School Counselor. For more information, visit: https://www.easternct.edu/academic-services/what-we-offer/windham-high-incentive-program-whip.html

PREPARATION FOR COLLEGE ADMISSION

While at WHS, students will take the Preliminary Scholastic Assessment Test (PSAT) each year in grades 9 & 10. In grade 11, students will take the PSAT/NMSQT in the Fall and the Scholastic Assessment Test (SAT) in the Spring. Completing these exams allow students to qualify for National Merit Scholarships.

ACT (American College Testing) is an alternative to the SAT's. Students should see their counselor for information about signing up for the ACT or additional SAT administration dates.

Students should begin requesting letters of recommendation from teachers, counselors, and administration in the Spring of their junior year. Students should start the college application process at the start of their senior year, with the goal of completing their applications in October - December of their senior year. Counselors can assist in providing any necessary information such as class rank, transcripts, letters of recommendation, etc.

COMMUNITY COLLEGES

Community Colleges offer one-year and two-year programs in a variety of areas. These programs include one year and two-year career specific programs as well as a transfer program for those students who would like to transfer to a four-year college. Manchester Community College, Quinebaug Valley Community College, and Three Rivers Community College are the closest to Windham High School.

CAREER PREPARATION

Students entering the workforce after graduation should be exploring career options, vocational skills, resume writing and interview skills. Our Cooperative Work Experience course is a great place for students to acquire the skills they will need to be successful in the workforce

HONOR ROLL and HIGH HONOR ROLL

Honors are awarded for each marking period on the basis of average grades earned for that marking period. A 90% or better average an no grade below 80% will qualify a student for the High Honor Roll. An 80% or better average with no grade below 70% will qualify a student for the Honor Roll.

WINDHAM HIGH SCHOOL HONORS PROGRAM

The Windham High School (WHS) accelerated honors program is designed for students who yearn for challenging curricula delivered in greater depth and at a rigorous pace. Honors students have the opportunity to take college level coursework as underclassmen and earn two years of college and Advanced Placement credits while at Windham High School. A rolling admissions process will be utilized for the WHS Honors Program starting with the acceptance of 8th graders who are Windham residents.

STUDENTS IN THE HONORS PROGRAM HAVE ACCESS TO:

- The WHS Honors Study Center
- Monthly college site representatives
- Field trips to select colleges and universities
- College and career fairs
- Resume and college essay writing workshops
- Honors enrichment excursions to venues supporting WHS' college and career pathways

UNIVERSITY OF CONNECTICUT EARLY COLLEGE EXPERIENCE COURSES:

- UCONN Multimodal Composition
- UCONN Calculus
- UCONN United States History
- UCONN Western Traditions Before 1500
- UCONN Modern Western Traditions
- UCONN Physics
- UCONN Biology
- UCONN Medical Terminology
- UCONN Environmental Science
- UCONN Biotechnology
- UCONN Principles of Microeconomics
- UCONN Principles of Macroeconomics
- UCONN Individual & Family Development
- UCONN Music Fundamentals I II

QUINEBAUG VALLEY COMMUNITY COLLEGE COURSES:

- QVCC Introduction to Business
- QVCC Personal Finance

COLLEGE BOARD ADVANCED PLACEMENT COURSES:

- AP Seminar
- AP Human Geography
- AP English Language and Composition
- AP U.S. Government and Politics
- AP Statistics
- AP Psychology
- AP Spanish
- AP Chemistry

EASTERN CONNECTICUT STATE UNIVERSITY WINDHAM HIGH INCENTIVE PROGRAM (WHIP):

Grade 11 & 12 students in the top 30% of their class may take courses at ECSU

COURSE SELECTION

Selection of courses for the following year must be done carefully. Future plans, past performance and teacher recommendations will be taken into consideration as well as personal interest during this process.

- Students entering grade 9 have limited choices in selecting their courses, as they first need to satisfy course pre-requisites. As students' progress to the next grades, their choices increase. Middle School teachers, in consultation with eighth grade counselors and a review of records, will determine the levels of the courses selected.
- Students in grades 10-12 select their courses after consultation with their parents, teachers and their counselor. The students' current teachers recommend appropriate levels.
- Some requested courses may not appear on a student's schedule if the course does not run due to low enrollment, is full, or conflicts with another selected course.

TYPICAL COURSE SEQUENCE

Grade 9: 1. English I 2. Algebra I 3. Global Studies 4. Integrated Science 5. Spanish I 6. Career Exploration / Gym A 7. Elective / Elective	Grade 10: 1. English II 2. Geometry 3. US History 4. Biology 5. Spanish II 6. Health A / Gym B 7. Elective / Elective
Grade 11: 1. English III 2. Algebra II 3. Civics / Personal Finance 4. Chemistry/Physics 5. Spanish III 6. Health B / Elective 7. African American/Black & Puerto Rican/Latino Studies	Grade 12: 1. English IV 2. Statistics / Pre-Calculus 3. Spanish IV 4. Physics/Elective 5. Electives 6. Electives 7. Electives *MBDA

ADD-DROP POLICY

Students may request changes to their schedules during the first five (5) days of each semester if the new course(s) fits into their schedule without affecting other classes, and if enrollment permits. Students will not be permitted to select courses without satisfying the prerequisite requirements unless approved by an administration. Requests to change a class or level after the deadline will be made with the approval of the student, the parent, the counselor, and administration.

Students must be scheduled for the equivalent of 7 credits per year, unless a special schedule has been approved by Administration in conjunction with the School Counseling Department. Students should maintain an average of at least 85% in a subject area before considering moving up a level in the same subject. Students withdrawing from a course after the deadline will receive a Withdrawal Pass (WP) or Withdraw Fail (WF) placed on their transcript.

BUSINESS, MANUFACTURING, ENGINEERING & TECHNOLOGY

The Department of Business, Engineering & Technology provides Windham High School students access to a high-quality education and prepares them to succeed in high demand occupations, such as manufacturing. The Department holds a commitment to offer meaningful learning experiences that allow students to develop both the technical abilities and the 21st century's skills needed for post-secondary education and employment in a competitive global economy.

College & Career Preparation	Technology Education	Business Education
• Pathways to Success • Cooperative Work Education • Cooperative Work Education – Internship • Introduction to Manufacturing • Advanced Manufacturing	• Intro to Computer Applications • Programming • Intro to Game Design • Blueprint Reading and 3D Design Software • Intro to Computer Science • ECSU Intro to Computer Science	• ECE UCONN Principles of Microeconomics • ECE UCONN Principles of Macroeconomics • QVCC Intro to Business • QVCC Personal Finance • Personal Finance • Marketing • Retail Management • Internship - School Store

COLLEGE AND CAREER PREPARATION

Pathways to Success Academic Level: CP CREDIT: .50/HUM GRADE: 9

In this course, students will research the labor market and career pathways. Students will learn how to create an individualized career plan that leads to post-secondary opportunities.

Cooperative Work Education Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 12

The Cooperative Work Experience (CWE) provides an important link between the classroom and the workplace for students age 16 and older. It enhances and adds relevance to classroom learning. Students often find learning on an abstract level challenging and learn more readily when they see the theory in operation and have an opportunity to practice what they are learning. The CO-OP is essentially a partnership that links school, community, and business/industry to provide a real-world environment in which students are given the opportunity to apply, and thereby enhance, the knowledge and skills obtained in the classroom.

Cooperative Work Education – Internship Acad. Level: CP CREDIT: .50/HUM/STEM GRADE: 12
Prerequisite: Cooperative Work Education

This class is the second part of the Cooperative Work Education course. Students will work after school as interns at different companies in town or in close proximity. This internship will provide students with the opportunity to

gain work experience and networking in the manufacturing field. Students will be applying all the skills they learned during the first component of Cooperative Work Education.

Introduction to Manufacturing Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 11,12

This course is a hands-on, foundational course designed to introduce students to the key concepts, processes, and tools used in the manufacturing industry. This course provides students with a practical understanding of how products are designed, created, and refined in a variety of manufacturing settings. Students will explore essential skills such as blueprint reading, material selection, tool operation, and quality control, with an emphasis on safety and industry standards. This course emphasizes problem-solving, critical thinking, and teamwork, all while developing an understanding of the skills and tools necessary for success in the manufacturing industry. By the end of the course, students will have a solid foundation in manufacturing processes and be well-prepared to pursue further study, apprenticeships, or entry-level positions in the trades and manufacturing fields.

This course will be offered in tandem with Math for the Trades in order to better prepare students for the real-world application of manufacturing skills and knowledge. See Math course offerings for description of Math for the Trades.

Advanced Manufacturing Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 12
Prerequisite: Introduction to Manufacturing

The Advanced Manufacturing course is a continuation of the Introduction to Manufacturing class, offering students an in-depth exploration of advanced manufacturing concepts, techniques, and technologies. Building on foundational skills, this course challenges students to apply their knowledge in complex scenarios, covering areas such as CNC machining, robotics, advanced blueprint skills, material engineering, quality assurance, project-based learning, and the integration of emerging technologies. By the end of the course, students will be well-equipped for advanced study, apprenticeships, or entry-level positions in specialized manufacturing roles, emphasizing innovation, critical thinking, and teamwork.

TECHNOLOGY EDUCATION

ECSU Intro to Computer Science Acad. Level: ECSU CREDIT: .50/STEM GRADE: 11, 12

We live in a digital society where computer-based technologies impact nearly every facet of our day-to-day lives. These technologies would not be possible without computer science. This course provides an introduction to computer science and will be of interest to both majors and non-majors who want to learn foundational concepts in the field, as well as common computer science applications. Centered around creative problem-solving and management of information, students will learn how to apply computational thinking to solve a variety of problems through hands-on projects. Topics include algorithms, writing code, data representation, information security, and artificial intelligence. After foundational concepts are covered, the course discusses common computer applications, their impact on society, and the ethical issues that arise from existing and emerging technologies.

Intro to Computer Science Academic Level: CP CREDIT: .50/STEM. GRADE: 11, 12

An engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit of content culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning.

Intro to Computer Applications Acad. Level: CP CREDIT: .50/STEM GRADE: 11, 12

In this course, students will acquire the knowledge of and the experience in the proper and efficient use of software packages, such as Microsoft Office. Students will explore a wide range of applications, including but not limited to word-processing, spreadsheet, graphics, and database programs.

Programming Academic Level: CP CREDIT: .50/STEM GRADE, 11, 12

Introduces general principles of programming. Students will learn to break a problem into manageable parts and think in logical ways. The course builds a strong foundation of structured programming before introducing object-oriented programming. This course provides a comprehensive introduction to the high-level computer programming languages.

Intro to Game Design Academic Level: CP CREDIT: .50/STEM GRADE: 11, 12

Introduction to the principles of game design and development. History of the industry, story, and game mechanics. Students must possess digital literacy skills and can understand to set up a project and organize documents.

Blueprint Reading and 3D Design Software Acad. Level: CP CREDIT: .50/STEM GRADE: 11, 12

An initial course in blueprint reading and 3D Design Software. Topics include lines and their uses, auxiliary views, sectional views, basic and special dimensioning, dimensioning practices for holes, chamfers, angle, tapers, keyways diameters, radius, and geometric tolerance. Students will explore the evolution of professional drafting from hand-drafting to computer aided drafting (CAD, ScketchUp, QCad, Tinkercad, Autocad, etc). Students will create accurate renditions of objects of progressive complexity.

BUSINESS EDUCATION

UCONN Principles of Microeconomics Acad. Level: UCONN CREDIT: .50/HUM/STEM GRADE: 11, 12
Prerequisite: Geometry

How the invisible hand of the market functions through the economic decisions of firms and individuals. How prices, wages and profits are determined, resources are allocated and income is distributed. By the end of the course, students will be able to use supply and demand diagrams to analyze the impact of changes in supply and demand on price and quantity, understand and explain firm behavior, and analyze different types of market structures (competitive markets, monopoly, and oligopoly).

UCONN Principles of Macroeconomics Acad. Level: UCONN CREDIT: .50/HUM/STEM GRADE: 11, 12
Prerequisite: UCONN Principles of Microeconomics or permission from instructor

Whereas microeconomics encompasses decisions that small units, such as individual households and firms, make concerning the allocation of scarce resources; macroeconomics entails the study of how an economic system functions as a whole. Therefore, instead of looking at prices and quantities of specific goods and services, in macroeconomics we analyze the total output of an economy, as well as the general price level, among other economic aggregates.

QVCC Intro to Business Acad. Level: QVCC CREDIT: .50/HUM/STEM GRADE: 11, 12

A basic course in business, designed to provide an overall view of the ownership patterns, structure, and essential operations of business organizations. Upon completion of this course, the student will be able to define business and explain current's business environment, differentiate and analyze the basic forms of business ownership, analyze the characteristics of small businesses and their role in the economy, describe and analyze the key elements of the major financial statements and the budget process, describe and analyze the major financial indicators to evaluate companies' financial condition, identify the major sources of funds available to meet the needs of a company in the short and long term, analyze US financial markets, institutions, and major instruments, describe and analyze each key element of marketing strategy, analyze the characteristics and classifications of a product and the strategies and tools to promote it and communicate its value to customers, describe and analyze the process of distribution and pricing, and describe and analyze management's major areas.

QVCC Personal Finance Acad. Level: QVCC CREDIT: .50/HUM/STEM GRADE: 11, 12

This course provides a basic understanding of personal finance in a non-technical presentation. The choices that consumers face in managing their finances are examined. The topics include the basics of personal income and budgeting, consumer credit, investing, taxes, housing, insurance, retirement, and estate planning. Upon completion of this course the student will be able to identify and understand employee withholdings, develop a budget by discriminating items to include and planning for emergencies, identify and explain the advantages and disadvantages of different investment options, identify the components and fees of consumer financial products, understand the concept of time value of money and use a spreadsheet to calculate the impact of time value of money with different investment alternatives, understand the terms and conditions of credit cards, loans, and credit score, identify and understand different risk management methods, understand the impact of income taxes on personal investing/financing decisions, and estimate the needs for retirement and plan accordingly.

Personal Finance Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 11, 12

This course helps students to acquire the basic knowledge and skills to make better-informed financial choices. The topics include the basics of personal income and budgeting, consumer credit, and taxes.

Marketing Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 11, 12

This course provides students with a basic understanding of marketing and its role in business. By the end of the course, students will be able to understand the objectives, the process, and the scope of marketing as well as to assess the different elements of a marketing strategy in terms of consumer market segmentation, marketing mix (product, price, place, and promotion), among others.

Retail Management Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12

Retail Management is a hands-on course designed for students preparing to enter the workforce after graduation. It focuses on essential skills for success in the retail industry, including customer service, inventory management, merchandising, sales techniques, and teamwork. Students will learn how to handle real-world challenges, such as managing schedules, meeting sales goals, and creating positive shopping experiences. Through classroom activities and practical applications, this course equips students with the knowledge and confidence to thrive in entry-level retail positions and beyond.

ENGLISH

The mission of the Windham High School English Language Department is to ensure that all students engage with culturally relevant reading and writing to prepare students as effective and productive communicators in our society.

Windham High School English Offerings				
Type	**GRADE 9**	**GRADE 10**	**GRADE 11**	**GRADE 12**
Required Courses	English I CP or English I Honors	AP Seminar English II CP or English II Honors	AP English Language & Composition English III CP, English III Honors,	English IV CP, English IV Honors, UCONN Multimodal Composition
Electives		Graphic Novel	AP Research Creative Writing Modern Fiction	AP Research Creative Writing Modern Fiction

English I Academic Level: Honors or CP CREDIT: 1.0/HUM GRADE: 9

Through a variety of novels, short stories, poetry, and non-fiction texts students will have the opportunity to explore quality fiction and non-fiction. Within this context, students will further develop reading comprehension, group discussion skills and writing techniques.

English II Academic Level: Honors or CP CREDIT: 1.0/HUM GRADE: 10

Through a variety of novels, short stories, poetry, and non-fiction texts students will have the opportunity to explore key works of literature from American and World literature. Within this context, students will continue to develop reading comprehension, group discussion skills and writing techniques.

English III Academic Level: Honors or CP CREDIT: 1.0/HUM GRADE: 11

People of many ethnicities have played essential, and often underappreciated, roles in shaping the identity of the United States. Through a variety of novels, short stories, poetry, and non-fiction text students will have the opportunity to explore the formation of American identity. Students will continue to develop their discussion skills and writing techniques.

English IV Academic Level: Honors or CP CREDIT: 1.0/HUM GRADE: 12

Students will read a variety of works from colonizing and formerly colonized societies, through these texts, students will analyze the effects of clashing cultures to explore the ways in which group and individual identities are shaped in colonial and post-colonial contexts. Students will continue to develop discussion skills and writing techniques.

AP English Language & Composition Academic Level: AP CREDIT: 1.0/HUM GRADE: 11
PREREQUISITE: 2 credits in English and teacher permission

This is a college-level course offered to high school juniors. Students will learn to read challenging non-fiction texts closely and explore the various types of rhetorical techniques writers use to establish their authority on the important topics they write about. Students will learn to identify, analyze and respond critically to the authors that use them. Throughout the course, students will learn read college-level texts with understanding and insight. All enrolled students will be required to enroll in AP Classroom and take the AP English Language and Composition Exam in May.

AP Seminar / AP English 10 Academic Level: AP CREDIT: 1.0/HUM GRADE: 10
PREREQUISITE: completion of English I Honors and teacher recommendation

AP Seminar/AP English 10 is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. The course aims to equip students with the skills to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments. . The essays, presentations, and oral defenses completed during the academic year are known as AP Seminar Performance Tasks. All students in this class will be required to complete a portfolio and take the AP Seminar exam in May.

UCONN Multimodal Composition Academic Level: ECE CREDIT: 1.0/HUM GRADE: 12
PREREQUISITE: 3 credits in English and teacher permission

College composition through multiple forms of literacy, including rhetorical, digital, and information literacies necessary for twenty-first-century contexts. The development of creatively intellectual inquiries through sustained engagement with texts, ideas, and problems. Emphasis on transfer of writing and rhetorical skills to academic and daily life. **Includes student WHS Capstone Requirement**

AP Research Academic Level: AP CREDIT: 1.0/HUM/STEM GRADE: 11, 12
PREREQUISITE: AP Seminar and teacher recommendation

AP Research, the second course in the AP Capstone™ experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest.

Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio.

The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. Students must register for AP classroom submit their work through the AP Research Portfolio.

Creative Writing Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12
PREREQUISITE: 2 credits in English or teacher permission

How do authors create compelling characters, suspenseful plots, and detailed settings? Through a variety of stories, poems and other works, students will learn to identify the techniques of the author's craft and practice using tools of this craft as they write their own works of literary art, with the possibility of individual pieces appearing in Mirrors and Windows, our literary journal.

Graphic Novel Academic Level: CP CREDIT: .50/HUM GRADE: 10,11,12
PREREQUISITE: 1 credit in English

"Texts" come in many forms: books, news articles, songs, videos, art...and, of course, graphic novels. In this course, students will read graphic novels and will learn strategies for visual and textual analysis. Students will learn how to write about graphic novels and tell stories through sequential art.

Modern Fiction Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12
PREREQUISITE: 2 credits in English or teacher permission

In this one semester course, students will read novels and short fiction by a diverse group of contemporary writers. Students will respond to the literature through both discussion and writing and will conduct biographical and analytical research on the authors and their works.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

The mission of the district's Equity & Multilingual Education (EME) Department is to provide research-based, rigorous opportunities for students to learn new languages as a vehicle to become successful and productive members of a global, diverse society. Our goal is to ensure that all students graduate with high levels of academic achievement in more than one language and with high degrees of socio-cultural competence.

The English for Speakers of Other Languages (ESOL) Department at Windham High School plays an integral role in the teaching of English language development and skills to our many students who are learning English as an additional language. ESOL courses focus on social and academic English language instruction and use.

Windham High School offers ESOL courses at four levels, to identified English Learners. Bilingual courses for basic academic skills are offered to eligible, identified English Learner students with limited or interrupted formal education (SLIFE). Additionally, Bilingual content courses (e.g., Bilingual English and Bilingual Sciences) are also offered to eligible students. Push-in support by Bilingual/ESOL Tutors is also provided to new arrivals in some content area courses.

Bilingual and ESOL services are mandated services for eligible, identified English Learners. The Equity & Multilingual Education Office informs parents/guardians about their rights and program options. The determination of type, level, and amount of Bilingual and ESOL services are determined by a student's linguistic and academic history, levels, and needs.

Windham High School English to Speakers of Other Languages (ESOL) Offerings

Grades 9-12

Students are place in ESOL courses by proficiency level, not by grade level. WHS schedules students into grade-similar groups when possible.

- Placement in ESOL courses depends on a student's EL history and English proficiency.
- Placement in Bilingual SLIFE courses depends on formal education/academic proficiency.
- Placement in Bilingual Content courses depends on time in services (i.e., CT's Transitional Bilingual Education (TBE) eligibility criteria: first 30 months in English instruction).

Course Offerings

ESOL Courses	Bilingual SLIFE Courses	Bilingual Content Courses
• ESOL I • ESOL II • ESOL III • ESOL IV ***Note:*** *An A and B designation after the level indicate if first or second year in the course level.*	• Bilingual Strategic Reading (awarded Humanities credit) • Bilingual General Applied Math (awarded STEM credit)	***Example Bilingual courses:*** Bilingual English I Bilingual English II Bilingual Civics Bilingual Global Studies Bilingual U.S. History Bilingual Algebra I Bilingual Integrated Science Bilingual Environmental Science

Notes: *(1) Bilingual courses are offered as needed. If we have groups of students who need the courses, then we offer the course(s)/section(s). (2) Bilingual courses and courses delivered only in English address the* ***same*** *standards, content, and skills. Therefore, we have not listed separate/repeating course descriptions for these courses. Course descriptions for these courses can be found in the relevant subject area/department section of the Program of Studies.*

ESOL I Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

ESOL I provides English Language Development content and skills to Beginning level English Learners. The course focuses on the development of basic social and academic language, the strengthening of students' receptive language, the integration of the four skills, and the development of beginning to low-intermediate productive skills. Students placed in ESOL I are typically at beginning levels of English proficiency as measured by the LAS Links.

ESOL II Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

ESOL II provides English Language Development content and skills to Early Intermediate level English Learners. The course focuses on the development of students' vocabulary, grammar, and productive skills, as students' control of the English language is emerging. Students placed in ESOL II are typically at early to low intermediate levels of English proficiency as measured by the LAS Links.

ESOL III Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

ESOL III provides English Language Development content and skills to Intermediate level English Learners. This course focuses on the development of academic language skills in speaking, listening, reading, and writing. This course will help students develop the oral and written communication skills expected by grade-level standards. Students placed in ESOL III are typically at intermediate levels of English proficiency as measured by the LAS Links.

ESOL IV Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

ESOL IV provides English Language Development content and skills to English Learners at higher intermediate levels of English language proficiency. This course focuses on the interpretation of meaning and the development of academic reading and writing skills expected at grade-level in various content areas. Students placed in ESOL IV are typically at high intermediate levels of English proficiency as measured by the LAS Links and are approaching Connecticut English Learner Mastery Standards/Exit Criteria.

Bilingual Strategic Reading Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

This course is taught using Bilingual methodologies. Instruction is delivered in both Spanish and English, with more English being integrated over time as student' English proficiency increases. This course is a Transitional Bilingual Education course. It offers instruction to students who are new/recently arrived English Learners who have limited or interrupted formal education.

The goal of this course is to develop students' literacy knowledge, concepts, and skills both through explicit instruction and by building on students' prior conceptual, social, cultural, and experiential knowledge. This course focuses on improving students' vocabulary, critical-thinking and analysis skills, reading fluency, and reading comprehension. Students with interrupted schooling might take this course prior to their enrollment in English Language Arts content courses.

Bilingual General Applied Math Academic Level: CP Prep CREDIT: 1.0/STEM GRADE: 9,10,11,12

This course is taught using Bilingual methodologies. Instruction is delivered in both Spanish and English, with more English being integrated over time as student' English proficiency increases. This course is a Transitional Bilingual Education course. It offers instruction to students who are new/recently arrived English Learners who have limited or interrupted formal education.

The goal of this course is to develop students' mathematics knowledge, concepts, and skills both through explicit instruction and by building on students' prior conceptual, social, cultural, and experiential knowledge. This course develops and reinforces students' general math skills and extends these skills to include some pre-algebra, algebra, and basic geometry. In this course, students apply these skills in a variety of practical and real-world contexts (e.g., personal finance, consumer, business, and occupational applications). Students with interrupted schooling might take this course prior to their enrollment in Algebra I.

FAMILY AND CONSUMER SCIENCE

To prepare students for family life, work life and careers in Family and Consumer Sciences. To balance personal, home, family and work lives. Provide an opportunity for 21st century learning by bringing critical thinking, creativity, collaboration and communication to life through hands on learning.

Windham High School Family & Consumer Science Offerings				
Type	**GRADE 9**	**GRADE 10**	**GRADE 11**	**GRADE 12**
Course Offerings		Culinary	Culinary UCONN Individual & Family Development	Culinary UCONN Individual & Family Development

Culinary Academic Level: CP CREDIT: .50 STEM/HUM GRADE: 10,11,12

Students will learn about nutrition and the Food Guide pyramid, and then use that information to plan meals. Students will prepare examples of appetizers, soups, salads and then main courses. The second part will focus on a multi-cultural exploration of food. Students will learn about the history, geography and culture of each country or region we study, while they prepare and serve complete meals that represent typical foods served from each area.

UCONN INDIVIDUAL & Family Development Academic Level: ECE CREDIT: 1.0/HUM GRADE: 11,12

This course is designed as an introduction to the field of Human Development and Family Studies. This class will provide you as students with an understanding of individual and family development over the life span. In particular, the course will focus on the developing individual within the context of the family system and the changes that occur in family systems over time.

HEALTH AND PHYSICAL EDUCATION

The mission of the Health and Physical Education Department is to have students learn the knowledge to enable them to select and participate proficiently in physical education with safety and personal satisfaction. The program is developed to ensure that students will have the skills they need to live an active and healthy lifestyle as a lifelong learner.

All students are required to earn 1.0 credit in Physical Education and Wellness to fulfill the graduation requirement. Students should take Physical Education and Wellness A while in 9th grade and Physical Education and Wellness B, Health A while in 10th grade. 11th and 12th graders should take Health and Safety Education B. Upperclassman who met the 1.0 Physical Education requirement may choose to enroll in the PE elective Lifetime Physical Fitness.

Windham High School Physical & Health Education Offerings				
Type	**GRADE 9**	**GRADE 10**	**GRADE 11**	**GRADE 12**
Required Courses	Physical Education and Wellness A	Health A Physical Education and Wellness B	Health and Safety Education B	Health and Safety Education B
Electives	Personal Fitness/Weight Training Women in Weight Training	Personal Fitness/Weight Training Women in Weight Training	Personal Fitness/Weight Training Women in Weight Training	Personal Fitness/Weight Training Women in Weight Training

Health and Safety Education A Academic Level: CP CREDIT: .50/HUM GRADE: 9, 10

Health A must be taken and passed by all students concluding their sophomore year. Health A is part of a comprehensive curriculum which focuses on personal and community health, emotional and social wellness, alcohol, tobacco and other drugs and human growth and development. Students will develop the skills necessary to make sound decisions and analyze behaviors in an effort to avoid health-related crises.

Health and Safety Education B Academic Level: CP CREDIT: .50/HUM GRADE:11, 12

Health and Safety Education B will focus on safety and wellness for optimal health benefits. Students will learn about the balance of nutrition, hydration and sleep. Concepts of physical activity and cardiovascular health relating to various body systems will be covered. Students will analyze the causes and prevention strategies associated with unintentional injury and violence. Students will also have the opportunity to learn and become certified in CPR, First Aid, and AED. Students selecting this course must have taken and passed Health education A.

Physical Education and Wellness A Academic Level: CP CREDIT: .50/HUM GRADE: 9

Students will have the opportunity to develop basic motor skills and patterns to perform a variety of activities. Students will incorporate fitness and wellness concepts to achieve and maintain a health-enhancing level of fitness.

Physical Education and Wellness B Academic Level: CP CREDIT: .50/HUM GRADE: 10

It is mandatory for all students in GRADE 10 to participate in the CT Physical Fitness Assessment. The program is designed to provide each student with an understanding of the importance of physical fitness in their lives and incorporates an awareness of the social, physical, and intellectual aspects of physical education.

Personal Fitness/Weight Training Academic Level: CP CREDIT: .50/HUM GRADE:9,10,11,12

Personal Fitness/Weight Training can be used as a 1/2 credit as an elective. This course is designed for students who are interested in completing and creating personal physical fitness routines based on their current fitness level. Students will create and perform weight training workouts designed to target areas of fitness that will help them work towards their own goal or sport-specific training.

Women in Weight Training Academic Level: CP CREDIT: .50/HUM GRADE:9,10,11,12

Women in weight training is a class that is designed for personal fitness that is unique to women's weight training goals. Students will have the opportunity to use a variety of weight, resistance and circuit training methods to target specific muscle groups. This course will focus on lifting technique, differentiation in lifting programs and weight room safety.

HUMAN RIGHTS

UCONN Human Rights Institute Courses:
What are human rights? How has the concept of human rights evolved? How and why have human rights been violated, both in the United States and abroad? How have people struggled against human rights violations and with what success? What protections against violations of human rights exist, and how can these protections be enhanced and made more effective? These are the types of questions that human rights students are encouraged to pursue.

UCONN Introduction to Human Rights (HRTS 1007) One semester (0.5 WHS credit; 3 UCONN credits)

Exploration of central human rights institutions, selected human rights themes and political controversies, and key political challenges of contemporary human rights advocacy.

Prerequisite: Successful completion of two years of high school social studies courses, or consent of the instructor, is recommended.

UCONN Introduction to Genocide Studies (HRTS 2200) One semester (0.5 WHS credit; 3 UCONN credits)

Interdisciplinary introduction to the study of genocide as an historical, legal, social, political, and conceptual phenomenon, including response, prevention, and commemoration efforts.

Eligibility Guidelines: Successful completion of three years of high school social studies courses (to include world history and/or world geography), or consent of the instructor, is recommended.

MATHEMATICS

The goal of the Mathematics Department is to ensure that all students develop a conceptual understanding of algebraic reasoning, geometry and measurements, and the ability to manipulate data, in order to apply this learning in relevant, engaging, rigorous, and real-world applications. Success in mathematics depends on problem solving, logical reasoning, making numeric, graphic and algebraic connections, seeing patterns, and generating appropriate representation of mathematical calculations and operations.

Windham High School Mathematics Offerings				
Type	**Grade 9**	**Grade 10**	**Grade 11**	**Grade 12**
Required Courses	Algebra I, Algebra I Honors, Geometry or Geometry Honors	Algebra, Algebra II or Algebra II Honors Geometry, Geometry Honors, Intermediate	Intermediate Algebra, Algebra II, Algebra II Honors	Algebra II, Algebra II Honors, or Statistics
Electives			Advanced Algebra & Trigonometry AP Statistics Pre-Calculus Statistics	Advanced Algebra & Trigonometry Statistics AP Statistics ECE Calculus Math for the Trades Pre-Calculus Statistics

Algebra I Academic Level: Honors, CP, Fundamental CREDIT: 1.0/STEM GRADE: 9

Algebra 1 is the foundation for high school mathematics. The course focuses on topics such as (but not limited to): relationships between quantities, linear relationships, exponential and quadratic relationships, and data analysis. Students will solve problems using equations, graphs and tables to investigate linear relationships. A variety of strategies will be utilized to engage students in problem solving and reasoning.

Algebra II Academic Level: Honors, CP CREDIT: 1.0/STEM GRADE: 10,11
PREREQUISITE: Algebra I & Geometry for CP, Algebra I Honors & Geometry Honors for Honors

College Prep: This course is designed to strengthen and extend the concepts in Algebra I and introduce the essential concepts of Algebra II. Topics include equations and inequalities in one variable, graphing linear, exponential and quadratic equations, problem solving, and operations with polynomials. Graphing is emphasized in relation to all parent functions. Graphing and solving equations are an integral part of the course.
In Honors, students will explore and study quadratic functions and higher order polynomials, radical functions, exponential and logarithmic functions, rational functions, trigonometry, and sequences and series.

Advanced Algebra & Trigonometry Academic Level: CP CREDIT: 1.0/STEM GRADE: 11,12
PREREQUISITE: Geometry & Algebra II

This course is for students who plan to continue their studies in fields related to mathematics such as engineering, business, or science in college. Topics covered include equations and inequalities, functions, graphing, complex

numbers, exponents and logarithms, sequences and series and conic sections, as well an in-depth study of the trigonometric functions.

Geometry Academic Level: Honors, CP, Fundamental CREDIT: 1.0/STEM GRADE: 9,10
PREREQUISITE: Algebra I

Geometry is the study of the measure, construction, and relationships of figures. Topics include points, lines, planes, angles, triangles, parallel lines and transversals. Coordinate geometry is utilized to achieve algebraic solutions of formal proofs. Right triangle properties including the Pythagorean Theorem and trigonometric ratios are introduced. Angle and segment relationships involving circles are studied. Areas of plane figures and volumes of solids are explored and calculated. An understanding of algebra is required.

Intermediate Algebra Academic Level: CP CREDIT: 1.0/STEM GRADE: 10,11,12
PREREQUISITE: Algebra 1 & Geometry

Students will build upon the concepts of linear functions and their real-world applications by reviewing and extending various methods to solve systems of linear equations. Students will explore the concept of quadratic functions and their graphs and engage reasoning while attending to precision in their solutions.

Statistics Academic Level: CP CREDIT: 1.0/STEM GRADE: 10,11,12
PREREQUISITE: Algebra I

This course is designed to provide a solid foundation to the world of statistics. Topics covered include data analysis and exploration, sampling and randomness, probability, the normal model, hypothesis testing and confidence intervals, regression and chi-square testing. Real world applications are a theme throughout the course.

AP Statistics Academic Level: AP CREDIT: 1.0/STEM GRADE: 11,12
PREREQUISITE: Algebra II or teacher recommendation

This college-paced course is designed to prepare students for the AP exam in May. Topics covered in depth include data analysis and exploration, regression, sampling and randomness, probability, the normal model, hypothesis testing and confidence intervals, chi-square testing, and inference for regression. Real world applications are a theme throughout the course. Students enrolled in this course are expected to take the AP exam in May

Math for the Trades Academic Level: CP CREDIT: 0.5/STEM GRADE: 12
PREREQUISITE: Algebra 1 & Geometry

This course will focus on real-world applications of mathematics, bridging the gap between abstract concepts and the practical needs of the workplace. Students will explore topics such as measurement, geometry, algebra, and basic trigonometry, all in the context of manufacturing processes, blueprint reading, material calculation, and quality control. By the end of the course, students will have a solid understanding of how math drives the success of manufacturing processes and will be prepared to take on more advanced coursework or apprenticeships in the trades.

Pre-Calculus Honors Academic Level: Honors CREDIT: 1.0/STEM GRADE: 11,12
PREREQUISITE: Geometry & Algebra II Honors

Students will review the fundamental concepts of Algebra II as a launching pad for more advanced mathematical topics. Students will explore trigonometric functions and their identities as well as limits and their properties. This will include inverse functions and the laws of sines and cosines.

UCONN Calculus Academic Level: ECE CREDIT: 1.0/STEM GRADE: 12
PREREQUISITE: Pre-calculus

This course is equivalent to College Level Calculus I and II. Limits, continuity, differentiation of algebraic and transcendental functions, antidifferentiation, definite integrals, the Fundamental Theorem of Calculus, u-substitution, with applications to the physical and engineering sciences. During the second semester, students will learn techniques of integration, applications of integration, infinite sequences and series, power and Taylor series, polar coordinates and parametric equations, with applications to the physical sciences and engineering. Students are expected to enroll in the UCONN ECE course.

PERFORMING AND VISUAL ARTS

Music education at Windham High School is an integral part of the entire educational process. The program provides for student development both through and in music. The multifaceted program concentrates on the enhancement of cultural and aesthetic values. Participation in the program provides students with a deeper appreciation of the fine arts through the beauty and expression of music.

Art Classes at Windham High School are designed to develop and broaden critical and creative thinking skills, foster an understanding of appreciation for the visual arts and culture, and increase students' proficiency in visual art techniques and processes. Students who wish to plan a portfolio for entrance into art schools or college art programs should notify an art teacher and/or the art department.

Windham High School Performing & Visual Arts Offerings				
Type	**GRADE 9**	**GRADE 10**	**GRADE 11**	**GRADE 12**
Offerings	2D Design 3D Design An American History of Rock and Soul Ceramics Concert Band Concert Choir Comic Art Digital Art Drawing Drumline UCONN Music Fundamentals I & II Graphic Design Instrumental Music Music Technology Yearbook	2D Design 3D Design An American History of Rock and Soul Ceramics Concert Band Concert Choir Comic Art Digital Art Drawing Drumline UCONN Music Fundamentals I & II Graphic Design Instrumental Music Music Technology Yearbook	2D Design 3D Design An American History of Rock and Soul Ceramics Concert Band Concert Choir Comic Art Digital Art Drawing Drumline UCONN Music Fundamentals I & II Graphic Design Instrumental Music Music Technology Yearbook	2D Design 3D Design An American History of Rock and Soul Ceramics Concert Band Concert Choir Cosmic Art Digital Art Drawing Drumline UCONN Music Fundamentals I & II Graphic Design Instrumental Music Music Technology Yearbook

2D Design Academic Level: CP CREDIT: .50 /HUM GRADE: 9,10,11,12

This class is a studio project orientated class exploring different media areas of 2-Dimensional design. The emphasis of this course is to expose students to 2D art mediums and to build their creative skills through the elements and principles of design. Projects may include: Abstract Drawing, Perspective Drawing, Portrait Drawing, Collage, Charcoal, Optical Art, Pastel Drawing, Scratchboard and painting are some of the projects that could be covered.

3D Design Academic Level: CP CREDIT: .50 STEM/HUM GRADE: 9,10,11,12

This course will introduce the basics of three-dimensional design and creative processes while exploring a variety of materials. Students will explore the principles of visual perception and the meaning of form, space, balance, proportion, and structure as they relate to three-dimensional design, visual thinking, exploration of materials, sculptural techniques and artistic expression. Students will integrate STEM foundations in their projects as they apply accurate measuring, proportional conversions, 3D printing design, structural building, and other skills to their projects through the design and creation process.

An American History of Rock and Soul Academic Level: CP CREDIT: .50/HUM GRADE: 9,10,11,12

This course uses music as a primary source to explore the nation's history, showing how genres such as blues, rock and roll, soul, R & B, electronica, and hip hop both reflect and shape major cultural and social movements in the United States. Students will analyze primary historical sources, including song lyrics, album covers, performance videos, historical documents, and artist interviews. Each lesson will include a creative arts-integrated activity or project that allows students to contribute their own perspectives and experiences in the conversation. The course can set interested students on a pathway to the music entertainment and business industries.

Comic Art Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 9,10,11,12

This class is a half-year high school course that introduces students to the art and craft of visual storytelling through comics. Students explore the fundamentals of character design, page layout, narrative structure, and sequential art while studying influential comic artists and a variety of visual styles. Through hands-on projects, students develop their own original characters and short comics, gaining skills in drawing, inking, and digital or traditional production methods. The course emphasizes creative expression, critical thinking, and an understanding of how artists communicate stories through images and text.

Ceramics Academic Level: CP CREDIT: .50 STEM/HUM GRADE: 9,10,11,12

This course introduces students to foundational techniques and processes of working with clay. Students will explore functional pottery through a variety of hand building techniques including coil and slab construction, pinch, slip cast, wheel throwing, glazing and surface design. Students will be introduced to ceramic sculpture techniques and tradition. Through this course, students will develop design thinking strategies, critical and creative habits of mind, and explore personal, cultural and historical connections in the arts and the community at large.

Concert Band Academic Level: CP CREDIT: 1.0/HUM GRADE: 9,10,11,12

Concert Band is a full-year class offered to all students interested in playing band instruments- no prior experience needed! In this class, you will learn how to read music and play instruments in a band. Concert Band goes on several field trips throughout the school year, with multiple performance opportunities. Attendance at all performances is required.

Concert Choir Academic Level: CP CREDIT: 1.0/HUM GRADE: 9,10,11,12

Concert Choir is a full-year class offered to all students interested in singing- no prior experience needed! In this class, you will learn how to read music and sing in a large group. Concert Choir goes on multiple field trips throughout the school year, with multiple performance opportunities. Attendance at all performances is required.

Digital Art Academic Level: CP CREDIT: .50 /HUM/STEM GRADE: 9,10,11,12

This class is a multimedia digital art class. In this class students will explore various forms of Computer Art, Digital Photography and Video. Students learn on multiple Adobe programs to explore self-expression using 21st century skills.

Drawing Academic Level: CP CREDIT: .50/HUM GRADE: 9,10,11,12

A variety of drawing techniques are introduced with experiments in media and consideration of subject matter. Observational drawing methods are practiced to create depth on a 2-dimensional surface, and color theory is \explored. Students will look at major artists and styles. As students' progress, risk-taking and personal choices are teacher-facilitated as they build skills and become more confident in their work.

Drumline Academic Level: CP CREDIT: 1.0/HUM GRADE: 9,10,11,12

Drumline is a full-year class that runs alongside Concert Band for all our drummers and percussionists- no prior experience needed! You will have all the same opportunities as Concert Band, while getting more flexibility with the instruments you get to play. Attendance at all performances is required.

Graphic Design Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 9,10,11,12

This class will introduce students to the art of graphic design. They will learn how to create logos, graphic designs for various mediums such as t-shirts, and even some tattoo designs, using their creative thinking skills and knowledge learned throughout the course.

Instrumental Music Academic Level: CP CREDIT: .50/HUM GRADE: 9,10,11,12

Instrumental Music is a half-year class offered to all students interested in learning how to play musical instruments. In this class, you will learn how to read music and play drums, guitar, and piano.

Music Technology Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 9,10,11,12

Music Technology is a half-year class offered to all students that explores beatmaking, songwriting, and writing music on the computer using Mixcraft.

UCONN ECE Music Fundamentals/Ear Training I and II (MUSIC 1011 and 1012)
Academic Level: ECE CREDIT: 1.0/HUM GRADE: 9,10,11,12

This college level course will teach basic skills in note reading, rhythm, meter, pitch symbols, scales, key-signatures, intervals, triads, sight-singing, and dictation. No previous training is required. During the second semester, students will further develop skills in music reading, sight-singing, and dictation. Students will earn 6 UCONN credits. Note: *A student must pass MUSI 1011 with a grade of a "C" or higher to continue on to MUSI 1012.*

Yearbook Academic Level: CP CREDIT: 1.0 /HUM/STEM GRADE: 9,10,11,12

A course that teaches students how to create a school yearbook, and the skills needed to do so.
Students learn about design elements, photography, journalistic features, and how to plan coverage of school events. Including, developing a theme and layout for the yearbook. Some outside of class participation will be required in order to create a complete memoir of the school year and activities.

SCIENCE

The mission of the Windham High School science department is to engage students in scientific concepts and the development of critical thinking skills. Students will become responsible for their own learning while participating in hands on lab activities, data collection and analysis.

Windham High School Science Education Offerings				
Type	**GRADE 9**	**GRADE 10**	**GRADE 11**	**GRADE 12**
Typical Sequence	Integrated Science (CP, Honors or New Arrivals)	Biology (CP, Honors or New Arrivals)	Chemistry (CP, or New Arrivals) Or Physics (CP, Honors, or ECE)	Choice of elective science
Offerings	Biology Honors (taken concurrently with integrated)	**Chemistry** **Honors Chemistry** **Marine Biology** Geology **Environmental Science Pop & Effect** Environmental Science Ecology **Anatomy & Physiology** Forensic Science **Astronomy & Meteo.** Oceanography	**Anatomy & Physiology** Forensic Science **Astronomy & Meteo.** AP Chemistry Oceanography **ECE Biology** ECE Biotechnology **ECE Environmental Science** ECE Medical Terminology **ECSU Human Biology and Disease** Environmental Science Ecology **Environmental Science Pop & Effect** Geology **Marine Biology** UCONN Intro. To Allied Health Professions	**Anatomy & Physiology** Astronomy & Meteo. AP Chemistry **Chemistry** ECE Biology **ECE Biotechnology** ECE Environmental Science **ECE Medical Terminology** ECE Physics **ECSU Human Biology and Disease** Environmental Science Ecology **Environmental Science Pop & Effect** Forensic Science **Geology** Marine Biology **Oceanography** Physics **Honors Physics** UCONN Intro. To Allied Health Professions

Integrated Science Academic Level: Honors or CP CREDIT: 1.0/ STEM GRADE: 9

Do you know that all scientists use the same method to conduct different experiments? Students will use technology and scientific tools to conduct laboratory investigations on matter, atoms, energy, electricity, magnetism, polymers, earth and space, and environmental issues and learn to effectively communicate findings.

Biology Academic Level: Honors or CP CREDIT: 1.0/STEM GRADE: 10

What are the characteristics of life? Students will use technology and scientific tools to conduct laboratory experiments that investigate topics such as cell transport, respiration, genetics and evolution. Students will explore cells, principles of genetics, evolution, and ecology. Through these activities, students will develop an understanding of life and life processes. Teacher recommendation required for Honors level.

AP Chemistry Academic Level: AP CREDIT: 1.0/STEM GRADE: 11,12
is a fast-paced college-level chemistry course designed to deepen students' understanding of matter and the changes it undergoes. The course emphasizes chemical concepts, quantitative reasoning, and laboratory investigation, preparing students for the AP Chemistry exam and future study in science or engineering. Students explore topics such as atomic structure, intermolecular forces, chemical bonding, thermodynamics, kinetics, equilibrium, acids and bases, electrochemistry, and reaction stoichiometry. A strong focus is placed on problem-solving, mathematical modeling, and conceptual reasoning, rather than memorization. Laboratory work is a core component of AP Chemistry. Students design and conduct experiments, analyze data, evaluate sources of error, and communicate scientific conclusions.
PREREQUISITE: Must have passed or be taking Algebra II concurrently.

Chemistry Academic Level: Honors or CP CREDIT: 1.0/STEM GRADE: 10,11
PREREQUISITE: Algebra I

Do you know why different substances react to form new compounds? In this course, Students will use technology and scientific tools to observe and analyze chemical reactions. Students will learn the structure of the atom, how to use the Periodic Table of Elements, why atoms form bonds, and how substances react with one another. For Honors level, students must have a teacher recommendation and be taking Algebra II concurrently.

Physics Academic Level: Honors or CP CREDIT: 1.0/STEM GRADE: 11,12
PREREQUISITE: Algebra I

How physicists use mathematics to make sense of forces and motion? Students will use technology and scientific tools to investigate the relationship between matter and energy. Students will explore motion, magnetic and electric phenomena and waves. For Honors level, students must have a teacher recommendation and have passed Geometry and Algebra II.

Anatomy & Physiology Academic Level: CP CREDIT: .50/STEM GRADE: 11,12
PREREQUISITE: Biology

How does the human body work? Students will use technology and scientific tools to investigate cells and tissues and explore body systems (skeletal, muscular, nervous, digestive, circulatory, respiratory, and reproductive).

Astronomy & Meteorology Academic Level: CP Credit: 0.5/STEM Grade: 11,12
Prerequisite: Algebra 1

Basic and advanced principles, theories, concepts, and procedures/techniques from areas of astronomy and meteorology will be covered in this comprehensive and introductory level course. Astronomy is the science of celestial bodies and their magnitude, motions, and construction. Lab activities and experimentation will include modelling, graphing, and simulation type exercises. Meteorology is the study of the atmosphere and weather, including air masses, fronts, clouds, winds, storms, weather satellites, and weather modification. Reading weather maps and supplementary skills will be used for weather analysis and forecasting.

Environmental Science – Ecology Academic Level: CP CREDIT: .50/STEM GRADE: 11,12

This course is designed to improve your knowledge of the processes that occur on our planet. Some of the topics we will cover in this course include; biogeochemical cycles, ecosystem interactions, biomes, biodiversity, and global changes.

Environmental Science – Population and Environmental Effects Interactions
Academic Level: CP CREDIT: .50/STEM GRADE: 11,12

Students will learn how human interactions affect the Earth. Some of the topics covered in this course include; human population, agriculture, water and air pollution, resources/energy, land use, sustainability and global changes. We will concentrate heavily on the issue of our population's exponential increase and the effects that this has on our planet.

Forensic Science and Crime Scene Fundamentals Academic Level: CP CREDIT: .50/STEM GRADE: 10, 11,12
Prerequisite: Forensic Science- ET

Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Whether students desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts. The following topics will be covered: Lab techniques, Introduction to Forensic science, History of Forensic Science, Memory and the Innocence Project, Observation Skills, Deductive Reasoning, CSI Effect, Crime Scene Investigation, Evidence, Fingerprints.

Forensic Science and Evidential Topics Academic Level: CP CREDIT: .50 /STEM GRADE: 10, 11,12

This forensics course can be taken in conjunction with Forensic Science and Crime Scene Fundamentals, or independent of it. Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Whether students desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts. The following topics will be covered: Lab techniques, DNA Evidence, Drug Identification and Toxicology, Blood and Blood Spatter, Forensic Anthropology, Document Identification, Ballistics, Manner of Death, and Arson.

Geology Academic Level: CP CREDIT: .50/STEM GRADE: 11,12

Are you aware that the Earth is constantly changing? Students will learn about the history and formation of the Earth as well as, interior and surface processes that shape our planet, such as: earthquakes, volcanic activity, weathering, and landslides. The class will also cover topics on fossils and types of life throughout time and the significance of geological features.

Marine Biology Academic Level: CP CREDIT: .50/STEM GRADE: 10,11,12

What types of marine species live right in Long Island Sound as well as the world's oceans? Emphasis is placed on the identification, habitat, and commercial value of local marine species including plankton, marine algae, invertebrates, and vertebrates. Topics of marine food chains and the interdependence of marine organisms are addressed. Man's impact on the marine environment and marine species is also examined.

Oceanography Academic Level: CP Credit: 0.5/STEM Grade: 10, 11, 12

This course is a half year course designed to improve your knowledge of the ocean. Some of the topics covered in this course are plate tectonics, the structure of ocean basins, ocean chemistry, waves and tides, ocean and atmospheric circulation, currents and weather patterns as well as the human impact on the marine environment.

ECE Physics Academic Level: ECE CREDIT: 1.0/STEM GRADE: 11,12
PREREQUISITE: Teacher recommendation and have passed geometry, algebra 2 and a lab science class (biology or chemistry)

ECE Physics is a full year course that is equivalent to one semesters of College Physics. Students will learn the basic facts and principles of physics. The laboratory offers fundamental training in precise measurements. Students are expected to enroll in the UCONN ECE course (separate fees may apply). **Teacher recommendation is required**.

ECSU Human Biology and Disease Academic Level: ECE Credit: .5/STEM Grade: 11,12

Prerequisite: Biology

This course is offered as a part of the dual credits program with the Eastern Connecticut State University's Early College Experiences program. In this course, students will become more knowledgeable about how the body works, common diseases that result when things go wrong, and treatments for those diseases. By working in groups, we will explore scientific advancements in disease research and how the media presents research findings to the general public. We will also discuss the clinical trial process and learn some medical terminology along the way. Lastly, your understanding of these topics will be reinforced by various hands-on activities, including an independent research project. **Teacher recommendation is required.**

UCONN Biology Academic Level: ECE CREDIT: 1.5/STEM GRADE: 11,12
PREREQUISITE: Biology

ECE Biology is a full year course that is equivalent to a full year introductory Biology course in college. Students will investigate molecules, cells and various processes, genetics and evolution of organisms, botany and animal behavior. Multiple laboratory experiments will be conducted, so that data can be collected and analyzed in order to understand life and life processes. The dissection of a fetal pig is mandatory. Students are expected to enroll in the UCONN ECE course (separate fees may apply). **Teacher recommendation is required**.

UCONN Biotechnology Academic Level: ECE CREDIT: .50/STEM GRADE: 11,12
PREREQUISITE: Biology

ECE Biotechnology is a full year course that is the equivalent of a semester course in college. Students will explore the fundamental principles of biotechnology, career pathways and biotech business applications. Students will become familiar with the ancient and modern applications of biotechnology that have and will benefit society today and in the future. Laboratory activities will reinforce some of the concepts and principles presented in the course. Students are expected to enroll in the UCONN ECE course (separate fees may apply).
Teacher recommendation is required

UCONN Environmental Science Academic Level: ECE CREDIT: 1.0/STEM GRADE: 11,12

ECE Environmental Science is a full year course that is equivalent to a one semester introductory course in college. Students will explore and investigate the interrelationships of the natural world, identify and analyze various environmental problems, and examine alternative solutions for resolving and/or preventing them. Students are expected to enroll in the UCONN ECE course (separate fees may apply). **Teacher recommendation is required**.

UCONN Introduction to Allied Health Professions Academic Level: ECE Credit: .5/STEM Grade: 11,12

Prerequisite: Biology

This course is offered as part of the **UCONN Early College Experience Program**. This course is intended to give students a broad overview of the field of allied health professions which centers on health promotion and disease prevention. Throughout the course students will have the opportunity to explore numerous health care roles as

UCONN Medical Terminology Academic Level: ECE CREDIT: .50/STEM GRADE:11, 12
PREREQUISITE: Biology, Anatomy & Physiology Offered Spring Semester
Introduction and mastery of medical terminology through presentation of word roots, prefixes and suffixes. Eligibility Guidelines: Student must have successfully completed high school biology and Anatomy and Physiology is recommended.

SOCIAL SCIENCE

The purpose of Social Science is to prepare students to meet the ongoing needs of their highly complex and rapidly changing society. The Social Science curriculum provides students with the necessary skills to become productive citizens and lifelong learners. This is accomplished by promoting and developing critical thinking, reading comprehension and effective oral and written communication. Inquiry will guide student instruction at all levels to help them discover meaningful connections in all content areas.

Windham High School Social Science Offerings				
Type	**Grade 9**	**Grade 10**	**Grade 11**	**Grade 12**
Required Courses	Global Studies CP or Global Studies Honors	US History CP or ECE US History	American Govt Civics or AP US Gov. & Politics	American Govt Civics or AP US Gov. & Politics
Electives	AP Human Geography	History Through Film Human Rights Law & Criminal Justice Modern Military History Psychology	African American/Black and Puerto Rican/Latino Studies AP Psychology AP US Government ECE Modern Western Traditions ECE Western Traditions Before 1500 History Through Film Human Rights Law & Criminal Justice Modern Military History Sociology Psychology	African American/Black and Puerto Rican/Latino Studies AP Psychology AP US Government ECE Modern Western Traditions ECE Western Traditions Before 1500 History Through Film Human Rights Law & Criminal Justice Modern Military History Sociology Psychology

Global Studies Academic Level: Honors or CP CREDIT: 1.0/HUM GRADE: 9

Global Studies is a world geography course that integrates the five themes of geography with an examination of contemporary world issues. Students will use the five themes of geography to examine concepts from WHS's pathways to analyze various regions of the world and interpret current events. Landforms and climates, economic development, migration and settlement patterns, and forces of conflict and cooperation will be investigated. Students will employ skills of inquiry and research to analyze physical features, human interaction, and develop a global perspective of the world.

U.S. History Academic Level: CP CREDIT 1.0/HUM GRADE: 10, 11, 12

Students will examine the growth and development of the United States from the end of the Civil War through the 20th century. Students will complete a research project, analyze primary and secondary sources, and develop their historical writing skills.

UCONN U.S. History Academic Level: ECE CREDIT: 1.0/HUM GRADE: 10, 11, 12
PREREQUISITE: 1.0 credits in Social Science and recommendation from teacher.

Students will analyze the development of the United States and the impact of significant historical through themes including American diversity and identity, politics and citizenship, and the legacy of slavery. This course will cover significant events from the Pre-Columbian era through the 21st century. Students will build skills in critical reading of informational texts, analysis of primary sources, and historical writing and research. Students are expected to enroll in the UCONN ECE course (separate fees may apply).

AP US Government & Politics Academic Level: AP CREDIT 1.0/HUM GRADE: 11, 12
PREREQUISITE: 1 credits in Social Science and successful completion of US History

Students will examine the Constitution, political beliefs and behaviors, the role of political parties, interest groups, and the media, and civil rights in the United States. This course prepares students to take the U.S. Government and Politics AP exam in May (separate fees apply).

Civics Academic Level: CP CREDIT: .50/HUM GRADE: 11

In this course students will examine the role of citizens in the United States, analyzing the rights, responsibilities, and duties of citizens while building skills in critical reading, writing, and thinking. Students will have the opportunity to exercise these skills in citizenship through debates, simulations, and community connections.

African American/Black and Puerto Rican/Latino Studies
Academic Level: CP CREDIT 1.0/HUM GRADE: 11,12

In this course, students will examine the complex histories of blacks and Latinos and how their absence in traditional historical perspectives has perpetuated the stratification of power and social construction of race and racism. The course will foster students' identity development and includes an in-depth analysis of our collective history in relation to the current context.

AP Human Geography Academic Level: AP CREDIT 1/HUM GRADE: 9
PREREQUISITE: must be recommended

Student are introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alterations of the Earth's surface. By looking at the relationships between cultural groups and their physical geography it is possible to find relationships that allow geographers to understand better how humans are shaped by their physical world, and change it in turn. We will be looking at different cultural phenomenon such as language, religion, government, and economic systems in order to make connections between different cultural set and how they interact with one another. By examining maps and other geographical tools students will examine correlations between the physical and human world and the interactions that have shaped our planet and human life. This course is designed to increase the students' understanding of the world and develop their critical thinking skills. Upon completion of this course students will take the Advanced Placement test for the possibility of college credit.

History Through Film Academic Level: CP CREDIT .50/HUM GRADE: 10, 11, 12

The History Through Film curriculum offers students a unique way to view history through the Hollywood lens. Through film analysis, students will gain a new insight into the historical events that have occurred. The course will focus on student writing and revision skills as they write reaction and analysis papers to films viewed in class. In addition to learning the historical accounts, students will explore character development, conflict, theme, symbolism, foreshadowing, and geographical/social/cultural settings.

Human Rights Academic Level: CP Credit: .50/HUM Grades: 11 & 12

This course will allow students to examine human rights issues throughout the world in a historic and present-day perspective. This will include the rights to clean water, medical care, and voting. It will also look at the response, aftermath, and healing required when genocide takes place. Progress is assessed through project-based learning, with different projects each unit. Students will engage with content from Brown University's CHOICES program and various other sources, such as Amnesty International and Model U.N.

Law and Criminal Justice Academic Level: CP CREDIT: .50/HUM GRADE: 10, 11, 12

This course is designed to give students an introduction to law and provide a thorough grounding in the United States Legal System. Topics covered include the nature and sources of law, the doctrine of precedent, justice systems, law and society, and the various branches of law. You will have the opportunity to review various historical cases, study police procedure, and identify contemporary issues. We will also have the opportunity to review and debate changes to upcoming Connecticut state laws.

Modern Military History Academic Level: CP CREDIT: 0.5/HUM GRADE: 10, 11, 12
This course offers students a comprehensive exploration of significant military events, wars, strategies, and individuals throughout history. Students will analyze the causes and consequences of conflicts, examine the evolution of military technology, and explore the social, economic, and political factors that influenced military decisions. By the end of the course, students will have gained a deep understanding of the role of military history in shaping societies and the world, while developing critical thinking, research, and analytical skills. This course is designed for students interested in history, military strategy, and global affairs, providing a solid foundation for further studies in related fields.

Psychology Academic Level: CP CREDIT .50/HUM GRADE: 10, 11, 12

Students will examine the functions of the brain and explore human behavior. Students will analyze the theories of psychology and learn about the contributions of influential psychologies. This course will build skills in critical reading, writing, and speaking. Students will conduct a research project and complete performance-based assessments.

AP Psychology Academic Level: AP CREDIT 1.0/HUM GRADE: 11,12
PREREQUISITE: 2 credits in Social Science

Students will learn about the systematic and scientific study of behavior and the mental processes of humans. Students will utilize psychological facts, principles, and phenomena to build skills in critical reading, writing, and discussion. This course examines the ethics and methods psychologists use in their discipline. Students enrolled in this course are expected to take the AP exam in May (separate fees apply).

Sociology Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12

In this course students will investigate the science of society, social institutions, and social relationships. Students will research, debate, and write about the interactions between society and individuals.

UCONN Modern Western Traditions Academic Level: ECE CREDIT: .50/HUM GRADE: 11, 12
PREREQUISITE: 2 credits in Social Science

Students will examine the development of modern Europe from the 16th century to the 21st century. Students will study political, cultural, and intellectual movements to draw conclusions about the traditions of western Europe. This course builds skills in critical reading, discussion, and historical research. Students are expected to enroll in the UCONN ECE course (separate fees may apply).

UCONN Western Traditions Before 1500 Academic Level: ECE CREDIT: .50/HUM GRADE: 11, 12
PREREQUISITE: 2 credits in Social Science

Students will analyze the characteristics of early civilizations through the lens of the Ancient world and then evaluate the role of monotheism in the development of the west. Students will study political, cultural and intellectual movements to draw conclusions about the traditions of the west leading up to the 16th century. This course builds skills in critical reading, discussion, and historical research. Students are expected to enroll in the UCONN ECE course (separate fees may apply).

WORLD LANGUAGE: SPANISH

The mission of the district Equity and Multilingual Education (EME) Department and the World Language Department at Windham High School is to provide research-based, rigorous opportunities for students to learn new languages as a vehicle to become successful and productive members of a global, diverse society. Our goal is to ensure that all students graduate with high levels of academic achievement in more than one language and with high degrees of socio-cultural competence.

Windham High School World Language Offerings				
Example Course Sequences	Spanish I	Spanish II	Spanish III or Spanish III Honors	Spanish IV or Spanish IV Honors or ECSU ECE Spanish
	Spanish II	Spanish III or Spanish III Honors	Spanish IV or Spanish IV Honors or ECSU ECE Spanish	AP Spanish Language or ECSU ECE Spanish
	Spanish III	Spanish IV or Spanish IV Honors	AP Spanish Language or ECSU ECE Spanish	AP Spanish Language or ECSU ECE Spanish
	Spanish IV or Spanish IV Honors	AP Spanish Language	ECSU ECE Spanish	AP Spanish Literature*

Spanish I Academic Level: CP CREDIT: 1.0/HUM GRADE: 9,10,11,12

Open to all students interested in learning Spanish who have limited or no previous experience with the language or culture. Students will be introduced to Spanish language and culture, and improve their ability to speak, read, write, and understand.

Spanish II Academic Level: CP CREDIT: 1.0/HUM GRADE: 9,10,11,12

PREREQUISITE: Passed Spanish I; passed WHS Spanish I end-of-course exam at the end of Spanish I in Grade 8; previous Dual Language student with teacher recommendation; Spanish language speaker or experience considered; recommendation provided by the World Language department.

Follows the successful completion of Spanish I. Students will further their ability to understand and express themselves in Spanish for both social and academic purposes.

Spanish III Academic Level: CP or Honors CREDIT: 1.0/HUM GRADE: 9,10,11,12

PREREQUISITE: Spanish II or previous Dual Language student with teacher recommendation; Spanish language speaker or experience considered; recommendation provided by the World Language department.

Follows the successful completion of Spanish II. Students' continued study of Spanish in this course will result in being able to understand, speak, and write in Spanish with increasing ease, accuracy, and authenticity.

Spanish IV Academic Level: CP or Honors CREDIT: 1.0/HUM GRADE: 9,10,11,12

PREREQUISITE: Spanish III or previous Dual Language student with teacher recommendation; Spanish language speaker or experience considered; recommendation provided by the World Language department.

Students will develop their awareness for the language and Spanish-speaking cultures by discussing, comparing, and interpreting artifacts, practices, and perspectives that exist in various Spanish-speaking regions of the world. Native speakers and former Dual Language Program students with an academic background in Spanish are encouraged to take this course.

ECSU ECE Spanish (SPA211) Academic Level: ECE CREDIT: 1.0/HUM GRADE: **11 & 12**

PREREQUISITE: Spanish III or Spanish IV or previous Dual Language student with teacher recommendation; Spanish language speaker or experience considered; recommendation provided by the World Language department. Per Eastern Connecticut State University, students must be in Grades 11 or 12 to take this course.

This Early College Experience (ECE) course is the first semester of the 4th course in the Spanish course sequence offered by Eastern Connecticut State University (SPA 211). This course has a strong emphasis on developing the ability to communicate in Spanish through the four skills (speaking, listening, reading, and writing) and strengthening students' communicative competence. This course also explores aspects of the Hispano/Latino culture and provides insights about the people, traditions, and customs, as well as linguistic input that introduces different accents and vocabulary.

AP Spanish Language & Culture Academic Level: AP CREDIT: 1.0/HUM GRADE: **10, 11, 12**

PREREQUISITE: Spanish III Honors or Spanish IV or Spanish IV Honors or previous Dual Language student with teacher recommendation; Spanish language speaker or experience with profile and proficiency considered and a recommendation provided by the World Language department.

Students will develop their awareness for the language and Spanish-speaking cultures by discussing, comparing, and interpreting artifacts, practices, and perspectives that exist in various Spanish-speaking regions of the world. Native speakers with an academic background in Spanish, students who previously studied continuously in the Compañeros Unidos Dual Language Program, and students who have successfully completed Spanish IV are encouraged to take this course. Students enrolled in this course are expected to take the AP Exam in May. (Separate fees apply.)

AP Spanish Literature & Culture* Academic Level: AP CREDIT: 1.0/HUM GRADE: **10, 11, 12**
**Course offering depends on student interest/enrollment.*

PREREQUISITE: Spanish IV or ECE Spanish or AP Spanish Language with World Language department recommendation.

This course emphasizes reading, understanding, and reacting in writing to literature/texts written in Spanish. Students develop their critical reading and analytical writing skills as they examine themes in representative texts, such as short stories, novels, poetry, and essays, from Peninsular Spanish, Latin American, and United States Hispanic literature. Literature is examined within the context of its time and place, and students reflect on the many voices and cultures present in the texts. There is also a strong focus on cultural connections and comparisons, including exploration of various media. Native speakers with an academic background in Spanish, students who previously studied continuously in the Compañeros Unidos Dual Language Program, and students who have successfully completed Spanish IV are encouraged to take this course. Students enrolled in this course are expected to take the AP Exam in May. (Separate fees apply.)

Certificate and Internship Opportunities

Certified Nursing Assistant Training Program Academic Level: Honors CREDIT: 1.0/STEM GRADE: 12

CNA Bootcamp of CT LLC Certified Nursing Assistant Training Program offers students the knowledge and skills needed to perform basic care for patients (acute care setting) and residents (long term care setting). The student is taught to function and perform in the role of a certified nursing assistant under the supervision of a registered nurse (RN) or licensed practical nurse (LPN). This training program is a double class period and includes classroom demonstrations and hands on skill training along with field trips to conduct offsite hands on training at a clinical site.

Enrollment is limited to 12 students and an interview with a school counselor is required prior to enrollment.

Skills included in this training program but are not limited to the following:

- Understanding the importance of Indirect care
- Hand washing
- Ambulate the resident using a transfer/gait belt
- Assist resident needing to use a bedpan
- Change bed linen while the resident remains in the bed
- Change resident's position to a supported side-lying position
- Dress a resident who has a weak arm
- Dressing and undressing resident
- Empty contents of resident's urine drainage bag, measure and record urine output on an Intake and Output (I&O) form
- Feed a resident who is sitting in a chair
- Measure and record a resident's radial pulse
- Measure and record a resident's respiration
- Provide catheter care to a female resident who has an indwelling urinary catheter
- Provide foot care to a resident who is sitting in a chair
- Provide mouth care to resident who has dentures
- Cleaning and storing dentures
- Provide mouth care to a resident who has their own teeth
- Provide perineal care to a female resident who is incontinent of urine
- Provide resident hand and nail care
- Provide resident a partial bed bath and back rub
- Provide resident with passive range of motion (ROM) exercises to one elbow and wrist
- Provide resident with passive range of motion (ROM) exercises to one shoulder
- Provide resident with passive range of motion (ROM) exercises to one hip, knee and ankle
- Transfer the resident from the bed into a wheelchair using a pivot technique and a transfer/gait belt

Child Development Associate Certification Program Academic Level: CP CREDIT: 1.0/HUM GRADE: 10-12

The ECE pipeline training program targets high school Juniors and Seniors with a jump start toward a meaningful, high-demand career in early childhood education. Through classroom instruction, hands-on experience, and structured mentorship, students gain real-world skills, earn college credit, and position themselves for immediate employment in a growing field that is steadily advancing toward professional wage parity with the K–12 system. This pipeline creates equitable access to living-wage careers while addressing the critical workforce shortage in early education. **This is a 2-year course. Additionally, 480 volunteer hours must be completed at the Early Childhood Center or Licensed Daycare facility for certification completion.**

Pre-School – Teacher's Aide Internship Academic Level: CP CREDIT: 0.5/HUM GRADE: 11-12

This internship is offered to juniors and seniors who are interested in a career in Early Childhood Education. Students will complete this internship at the Early Childhood Center under the supervision of the ECC Principal and teachers. Students will have the opportunity to assist instructors in preparing, organizing, or delivering course curricula during a class period each day. An interview with the ECC principal is required prior to enrollment.

Library – Teacher's Aide Internship Academic Level: CP CREDIT: 0.5/HUM/STEM GRADE: 12

This career exploration elective is offered to Seniors. Students gain experience in library science and information technology. Duties may include collecting, distributing, categorizing, and processing library materials. Students may assist in basic computer trouble shooting, diagnostics and assist in managing the LMC website. Students enrolled will also learn the crafts, and technology, in the Makerspace so they can assist students and teachers who come to the space to create. Makerspace activities include 3D Printing, Cricut, Stamping Up, Snap Circuits, robotics, and many others. Students will become Makerbot 3D Printer Certified. An interview with the school Library Media Specialist is required prior to enrolment.

Cooperative Work Education – Internship Academic Level: CP CREDIT: .50/HUM/STEM GRADE: 11,12
Prerequisite: Cooperative Work Educzation

This class is the second part of the Cooperative Work Education course. Students will work after school as interns at different companies in town or in close proximity. This internship will provide students with the opportunity to gain work experience and networking in the manufacturing field. Students will be applying all the skills they learned during the first component of Cooperative Work Education.

Internship – School Store Academic Level: INTERNSHIP CREDIT: 0.5/HUM/STEM GRADE: 11,12
Prerequisite: Students will have to apply. There will be only 3 spots per semester

In this internship, students will help run our school store as part of a real business team. Students will learn how to manage inventory, set up displays, provide customer service, handle sales, and work on promotions. Students will also practice teamwork, responsibility, and problem-solving while helping the store operate during the school day. This internship gives students hands-on experience that can help them build job skills, leadership, and confidence.