Windham School Board	
Chair	Cynthia Finn
Vice Chair	Rob Breton
Board Member	Dennis Senibaldi
Board Member	Shannon Ulery
Board Member	Stephanie Wimmer

Windham SAU #95 Administration	
Superintendent	Dr. Kori Alice Becht
Assistant Superintendent	Nancy Milligan
Business Administrator	Dalisa Greenleaf
Director of Special Services	Kenneth Duesing
Human Resources Director	Catherine Hennigar
Director of Technology	Dr. Harry Bennett
Director of Student Assessment	Dr. Erin Hagerty

Windham School District Office
19 Haverhill Road Windham, NH 03087 (603) 845-1550 Phone (603) 845-1551 Fax www.windhamsd.org

Windham High School		
Principal	Shannan McKenna	ssmckenna@windhamsd.org
Assistant Principal	Christopher Blair	cblair@windhamsd.org
Assistant Principal	Michael Keshigian	mkeshigian@windhamsd.org
Administrator of Athletics	Jon Hall	jhall@windhamsd.org
Administrator of Special Services	Emma Carnazzo	ecarnazzo@windhamsd.org
Director of School Counseling	Julie Lichtmann	jlichtmann@windhamsd.org
Director of English Language Arts	Jessica Benson	jbenson@windhamsd.org
Director of Mathematics and Business	Cathy Croteau	ccroteau@windhamsd.org
Director of Fine Arts	Susan Kalil	skalil@windhamsd.org
Director of Science and Technology	Karalyn Gauvin	kgauvin@windhamsd.org
Director of Social Studies/Foreign Lang.	Joshua Bashalany	jbashalany@windhamsd.org

Windham High School
Mission Statement

Windham High School is an educational community committed to excellence through hard work, high standards, personal responsibility, and dedication to others.

R – Responsibility
O – Opportunity
A – Achievement
R – Respect

21st Century Learning Expectations:

- Technology
- Communication
- Numeracy & Literacy
- Problem Solving & Critical Thinking
- Healthy Lifestyle & Kinesthetic Awareness
- Social & Civic Engagement

Expectations for Student Learning

Academic

Students will:

- demonstrate literacy, and numeracy across the curriculum
- be critical thinkers who make informed judgments
- read fluently, write expressively, and communicate effectively
- develop problem-solving skills, and understand concepts
- demonstrate creative expression, and kinesthetic awareness
- integrate 21st century technology into their educational experience

Civic

Students will:

- contribute to the school and the greater community
- understand their responsibilities as citizens in a democracy

Social

Students will:

- exhibit civility
- respect persons and property
- develop cooperative relationships and make sound decisions

Table of Contents

Windham High School Mission Statement....2
Expectations for Student Learning....2
Academic....2
Civic....2
Social....2
Table of Contents....3
Principal's Welcome....5
Guidance Department....6
How to Use this Program of Studies....6
Online Course Selection....6
Requirements for Traditional Diploma....7
Requirements for Technical Diploma....8
Requirements for Alternative Diploma....9
Promotion Credit Requirements....10
Course Load....10
Sample Course Sequence....10
Drop/Add Procedure....10
Alternative Credit Opportunities....11
Extended Learning Opportunities (ELO)....11
Online Learning....11
Advisory....11
Service Learning....11
Summer School....12
Transfer Students....12
High School Courses Taken at Windham Middle School....12
Academic Performance and Recognition....12
Grade Point Average (GPA)....12
Valedictorian and Salutatorian....13
Honors....13
High Honors....13
Honors....13
National Honor Society....13
French Honors Society....15
Mu Alpha Theta Math Honor Society....16
Science National Honor Society....16
Spanish Honor Society....16
Tri M Honor Society....16
Advanced Placement (AP) Program....16
Honors Courses....17
Course Competencies....17
Running Start/Dual Enrollment....17
Academic Supports....18
Academic Study....18
ESOL....18
Library Learning Commons....18
Special Services....19
Consultation and Training....19
Classroom Accommodations....19
Classroom Supports....19
Specialized Related Services....19
Supplementary Instruction....19
Modifications....19
EBD Program....20
REACH Program....20
Homework Expectations....21
Planning a Course of Study....24
College Admission Requirements....24

Suggested High School Course of Study 24
4-Year Colleges 24
2-Year Colleges and Technical Schools 24
Global Leadership Certification 25
Windham High School Global Leadership Certificate 25
Windham High School STEAM Academy Certificate 25
Windham High School Business Certificate 25
NH State Scholars Core Curriculum 26
NH State Scholars w/ STEM Emphasis 26
NH State Scholar with Art Emphasis 26
NCAA Freshmen Eligibility Standards 27
Division I Initial Eligibility 27
Division II Initial Eligibility 27
Course Offerings 28
Business Technology 28
English 28
Family and Consumer Sciences 29
Humanities 29
Human Performance and Wellness 29
Mathematics 30
Music 31
Science and Engineering Design 32
Social Studies 33
Visual Arts 34
World Language 35
Specialized Courses 35
Career and Technology Education (CTE) Courses 36
Salem High School 36
Pinkerton 37
Air Force JROTC 37
Course Descriptions 38
Business Technology 38
English 41
Family and Consumer Sciences 45
Humanities 47
Human Performance and Wellness 49
Human Performance 49
Wellness 52
Mathematics 53
Music 59
Science and Engineering Design 64
Science 64
WHS STEAM Academy Certificate 71
Engineering Design 73
Social Studies 74
Visual Arts 79
World Language 85
Specialized Courses 89
Career and Technology Education (CTE) Courses 91
Programs Offered at Salem 91
Programs Offered at Pinkerton Academy 101
Air Force JROTC 103
Co-Curricular Offerings 104
Athletic Offerings 104
Important Policies 105
Residency 105
Notice of Nondiscrimination 105
Child Find Notice 105

Principal's Welcome

Dear Students & Families:

Windham High School is first and foremost an educational institution dedicated to providing all students' opportunities to learn and grow. The courses included in this Program of Studies create a comprehensive curriculum designed to produce graduates who are prepared to contribute to the 21st century world. This programming is meant to spark curiosity, challenge students' thinking, and promote their development into lifelong learners. These characteristics will serve them well on whatever path they choose--college, the workforce, or the armed services.

The staff at Windham High School are dedicated to their students and their craft. They are constantly seeking ways to actively engage students in the learning process, while also developing students' skills of leadership, communication, innovation, collaboration, and critical thinking. In order to do this, teachers are encouraged to take risks and try new teaching techniques. We hope this serves as an inspiration for our students, as they look to take risks during their time at WHS. By taking advantage of the wide array of course offerings, exploring new courses, and challenging themselves academically, students will gain a richer, more powerful educational experience. And, as always, the staff and broader WHS community will be ever present to support them on their journey.

Best Wishes,

Shannan McKenna

Shannan McKenna, Principal

Guidance Department (School Counseling)

The Guidance Department provides a multitude of services and resources to assist students in developing plans for the future. The school counseling program is committed to focusing on the needs, interests, and issues related to student growth as well as individual development in academic, career, and personal/social areas. Counselors provide direct services to students through individual conferences and both small group and grade-level presentations. These presentations include relevant career, college, and academic information. Parents are encouraged to call their student's counselor when they have a concern or question.

How to Use this Program of Studies

This Program of Studies contains information to provide students and parents with knowledge pertaining to school courses, programs, and graduation requirements. This catalog is intended to answer questions that may arise regarding these areas and to provide necessary material to make informed decisions in relationship to courses, programs, and opportunities. It is important to carefully read and comprehend course sequence and requirements for graduation.

Students are encouraged to contact administrators, counselors, or teachers with questions or concerns regarding course selection. We encourage parents and students to inform educational personnel of special situations or circumstances in order to obtain assistance to ensure student success.

Considerations during the planning process:
- What are the requirements for graduation?
- What courses are needed to graduate depending on the pathway I take?
- What are my strengths? Weaknesses?
- Class selection based on student goals
- How will the courses I choose this year affect courses I may want to take in the future?
- NCAA Course Requirements

Online Course Selection

Courses are selected online with the selection process being open for a two-week time period. Students must make their class selections during this open enrollment period. Please seek Director approval for a course override sheet if you do not meet the prerequisites of the class. You can obtain the course override form from Department Directors. Override forms are due prior to March 31st.

Requirements for a Traditional 24 Credit Diploma

Subject	Credits	Required Courses	
English	4.5 credits (1 cr. English per year)	Cultural Foundations American Studies World Literature and Comp. Writing Senior English	1.0 credit* 1.0 credit* 1.0 credit 0.5 credit 1.0 Credit
Social Studies	3.0 credits	Cultural Foundations American Studies Government elective Economics elective	1.0 credit* 1.0 credit* 0.5 credit 0.5 credit
Mathematics	4.0 credits	Algebra I	1.0 credit
Science	3.0 credits	Integrated Science Biology	1.0 credit 1.0 credit
Information & Communication Technology (ICT)	0.5 credit	Any ICT elective	
Arts	1.0 credit	Music, Theater or Visual Arts	
Wellness	0.5 credit	Wellness	0.5 credit
Human Performance	1.0 credits	Human Performance	0.5 credit
Electives	6.5 credits		
Service Learning (40 hours)	n/a	20 hours are encouraged to be completed by end of sophomore year	
TOTAL	**24 credits**	Credits needed for Graduation	

** These courses are taught by two teachers using an interdisciplinary instructional method and meet every day throughout the school year. Students receive one credit in English and one credit in Social Studies.*

Requirements for a 20 Credit Career and Technical Diploma

Subject	Credits	Required Courses	
English	4.0 credits (1 cr. English per year)	Cultural Foundations American Studies World Literature and Comp.	1.0 credit* 1.0 credit* 1.0 credit
Social Studies	2.5 credits	Cultural Foundations American Studies Government elective Economics/Personal Finance	1.0 credit* 1.0 credit* 0.5 credit 0.5 credit
Mathematics	3.0 credits	Algebra I	1.0 credit
Science	2.0 credits	Integrated Science Biology	1.0 credit 1.0 credit
Information & Communication Technology (ICT)	0.5 credit	Any ICT elective	
Arts	0.5 credit	Music, Theater or Visual Arts	
Wellness	0.5 credit	Wellness	0.5 credit
Human Performance	1.0 credit	Human Performance Human Performance Elective	0.5 credit 0.5 credit
Pathway Electives	2.0 credits	Career Readiness Economics/Personal Finance	1.0 credit 0.5 Credit
Individualized Electives	4.0 credits		
Service Learning (40 hours)	n/a	20 hours must be completed by end of sophomore year	
TOTAL	**20 credits**	Credits needed for Graduation	

** These courses are taught by two teachers using an interdisciplinary instructional method and meet every day throughout the school year. Students receive one credit in English and one credit in Social Studies.*

It is our intent for all students' needs to be met, please reach out to your school counselor to discuss all options available to you.

Windham High School Alternative Diploma of Attainment

This diploma shall only be awarded to students who have disabilities and who participate in the State's alternate assessment. Whereas the determination of a student participating in the alternate assessment is the responsibility of a student's IEP team, including the parent, the decision to award the alternate diploma would also be the responsibility of the student's IEP team.

Additionally, students with IEPs who are granted an alternate diploma may not be prevented from working towards meeting the requirements for the regular high school diploma. This means that being awarded the alternate diploma does not end a student's eligibility for special education, per ED 1102.01(t)(1), which states, A "Child with a disability" as defined in 34 CFR 300.8 who is 3 years of age or older but less than 21

Legal References: Ed 306.04(a)(14), Alternative Means of Demonstrating Achievement of Graduations Competencies; Ed. 306.04 (a)(16), Credit Earned; Tracking of Graduation Competencies; Ed 306.04(a)(25), Graduation Competencies (no later than July 1, 2015); Ed 306.04(a)(26), Graduation Competencies (no later than July 1, 2015); Ed 306.141 (a)(6), Achievement of District and Graduation Competencies; Awarding of Credit; Ed 306.27, High School Curriculum, Credits, Graduation Requirements.
https://www.education.nh.gov/sites/g/files/ehbemt326/files/inline-documents/nhdoe_tech_advisory_alternate_diploma.pdf

Promotion Credit Requirements

In order to attain the necessary credits to progress toward graduation, students must earn a minimum number of credits by the end of each academic year:

At the completion of 9th grade and to be considered a sophomore: 6 credits
At the completion of 10th grade and considered to be a junior: 12 credits and 20 hours of community service
At the completion of 11th grade: and to be considered a senior: 18 credits

Course Load

Students at Windham High School are ***required*** to enroll in a minimum of six and a half (6.5) credits per academic year during their freshmen year. Sophomores, Juniors, and Seniors are required to enroll in a minimum of six (6) credits.

Sample Course Sequence

Freshmen Year Grade 9		**Sophomore Year Grade 10**		**Junior Year Grade 11**		**Senior Year Grade 12**	
Cultural Foundations	2.0	American Studies	2.0	World Lit. & Comp	1.0	English	1.0
				Gov't & Economics	1.0	Social Studies	1.0
Algebra I	1.0	Geometry	1.0	Algebra II	1.0	Math Elective	1.0
Biology	1.0	Elective Science	1.0	Chemistry	1.0	Physics	1.0
Foreign Language	1.0	Foreign Language	1.0	Foreign Language	1.0	Foreign Language	1.0
Human Performance	0.5	Art Elective	0.5	ICT Elective	0.5	Art Elective	0.5
Wellness	0.5	HP/ Open Elective	0.5	HP Elective/Open Elective	0.5	Open Electives	0.5
Writing	0.5						
Total	6.5	**Total**	6.0	**Total**	6.0	**Total**	6.0

Drop/Add Procedure

Once the master schedule is completed, course changes are very limited, and must be completed prior to the last day of school, for the following year. If a change is warranted, students must follow the procedure below. If all the steps are not completed, the change will not be allowed.

1. Once a course has started, all course changes must be completed within one week.
2. Students must meet with their guidance counselor to seek approval for the change.
3. Students must obtain ALL necessary signatures (teachers, directors, counselor, and parent/guardian) and return the completed form to their counselor.
4. Students must remain in the original course until they receive notification that the course change has been approved.

For courses that are being dropped after quarter one-progress reports, a W (P) or W (F) will appear on the student's transcript. If a student is changing levels of the same course a W will appear on the students' transcript. A course may not be dropped the last week of the quarter.

Alternative Credit Opportunities

Extended Learning Opportunities (ELO)

Opportunities for learning beyond the traditional classroom environment, driven by student interests, talents, and development, are expressly permitted by Windham School District policy IHBH. ELO credits may be available for independent study, service aid, Project Based Learning, Advanced Study, and internships. Other learning experiences, not identified herein, will also be considered on an individual basis. In all instances of alternative credit opportunities, credit may be earned, but the grade is **not** factored into a students' cumulative GPA. An ELO may not be used to replace a class that WHS currently offers.

Students interested in such opportunities need to meet with the ELO Coordinator to become familiar with the exact procedure to gain pre-approval for any ELO experience. Without a petition to seek pre-approval, learning experiences already completed will not be retroactively considered an ELO credit.

All grades are pass/fail. ELO's **are not calculated into a student's GPA.** Students may earn either ½ credit or 1 credit, depending upon the nature and scope of the experience.

Online Learning

In some instances, a student may take an online course for high school credit, provided the course meets the state standards and requirements and the course is approved in advance by the Director of course discipline.
In some instances, a course taken outside of Windham High School may be used to meet graduation requirements, however, the grade received will not be calculated into a student's GPA. Any course taken outside of Windham High School must be authorized in writing prior to enrollment. Students should see their counselor for the appropriate authorization form. Failure to obtain prior authorization shall render the course ineligible for graduation credit. There is a limit to the number of courses taken outside of Windham High School.

Advisory

Advisory personalizes each student's high school experience through guided small group discussions. Topics addressed in advisory include community service, equity, conflict resolution, career, and college planning. Advisors will be assigned to all students.

Service Learning

Service-learning experiences provide students with opportunities to develop community engagement; 'real world' learning and enhance civic responsibility. The students are required to complete a **total of 40 hours** to fulfill the graduation requirement. To assist in obtaining service hours, the School to Careers Transition Coordinator posts volunteer opportunities on the service bulletin board as well as weekly schoolwide emails. The suggestions offered to students are options. Students can volunteer in many other ways as well. Students have been involved in a wide variety of opportunities ranging from blood drives, soup kitchens, sports, Big Brother Big Sister mentors, academic and language tutoring, farmers markets, and many local community activities and events. For freshman, service hours matriculate at the start of their freshman school year and can continue into the following summer. For students that transfer into WHS from another high school, service-learning hours obtained prior to enrollment can be submitted for review (10 hours per year will be required while a student at Windham High School).

In order to receive a parking pass, seniors must have a minimum of 30 hours completed, Juniors 20 hours, and Sophomores 10 hours.

Summer School

Summer School is offered for credit recovery purposes. Classes taken and passed through WHS Summer School will result in a grade of 60% to be calculated into a student's GPA. Classes that are taken anywhere other than WHS are abbreviated classes and for credit recovery purposes only and will not count towards a student's GPA.

Transfer Students

Students transferring into Windham High School (WHS) will need an official transcript from their sending school, listing both courses taken, and credit awarded. This is a legal document, and the letter grades will transfer in as it appears on the sending school's transcript. Those courses and credits will be displayed on a WHS official transcript using the WHS Grade Point Average (GPA) Scale.

High School Courses Taken at Windham Middle School

In the event a Windham Middle School student is eligible for an advanced course taken at Windham High School, that course and grade will be calculated into their GPA and will appear on their high school transcript.

Students taking Algebra I at Windham Middle School, who successfully complete the course with a C or better, will receive 1 credit and the denotation of P(pass) on their transcript stating Middle School Algebra. This will not be calculated into their GPA.

Academic Performance and Recognition
Grade Point Average (GPA)

Letter Grade	Range	College Prep	Honors	AP
A+	97-100	4.33	4.67	5.00
A	93-96	4.00	4.33	4.67
A-	90-92	3.67	4.00	4.33
B+	87-89	3.33	3.67	4.00
B	83-86	3.00	3.33	3.67
B-	80-82	2.67	3.00	3.33
C+	77-79	2.33	2.67	3.00
C	73-76	2.00	2.33	2.67
C-	70-72	1.67	2.00	2.33
D+	67-69	1.33	1.67	2.00
D	63-66	1.00	1.33	1.67
D-	60-62	0.67	1.00	1.33
F	50-59	0.00	0.00	0.00

Grade Point Average (GPA) is calculated by converting numerical grades to points based on the table. These points are added and then divided by the total number of credits attempted during a marking period.
Windham High School calculates GPA on a 4.0 - weighted scale.

Valedictorian and Salutatorian

The valedictorian and salutatorian of the graduating class will be determined by calculating the cumulative GPA of all seniors at the conclusion of the **4th quarter** of senior year. The senior with the highest cumulative GPA in the graduating class will be named valedictorian. The senior with the second highest cumulative GPA in the graduating class will be named salutatorian. The top ten students will be calculated at the end of the 3rd quarter of senior year.

To be eligible for the distinction of valedictorian or salutatorian, a student must be enrolled at Windham High School for the four consecutive semesters immediately preceding graduation. Alternative credit opportunities are not factored into a student's GPA.

Honors

High Honors

Students earning the distinction of High Honors will have a GPA of 3.7, or above and must be enrolled in a minimum of 4 courses at Windham High School, not receive a grade below a C, nor receive an Incomplete (I) in any course.

Honors

Students earning the distinction of Honors will have a GPA of 3.2 to 3.69 and must be enrolled in a minimum of 4 courses at Windham High School, not receive a grade below a C, nor receive an Incomplete (I) in any course.

National Honor Society

Students who have a cumulative grade point average of 3.7 or higher and meet other eligibility requirements as determined by the Constitution of the Windham HS Chapter of the National Honor Society may be invited to go through the selection process. Applications are distributed and considered in the fall of students' Junior and Senior years and evaluated on the four pillars of NHS: Service, Scholarship, Leadership, and Character.

Windham High School
National Honor Society Pillars and
Rubrics for Membership Consideration
Revised Fall, 2018

Note: Although numerical scores are indicated for each rubric column, there is no minimum number required for the acceptance of an application for membership.

Service:

In order to be eligible for membership Junior candidates must have evidence of a minimum of 25 hours of service, and Senior candidates must have a minimum of 35 hours.

Service is generally considered to be those selfless actions taken by the student done with or on behalf of others without any financial or material compensation to the individual performing the service. In considering service, the contributions the candidate has made to the school, his/her classmates, and the community, as well as the student's attitude toward service will be reviewed. Through their service, candidates must also demonstrate a variety of quality service projects, *or* a long-term dedication to a single quality service project. In determining the quality of service, financial or item donations and/or participation in activities as part of a co-curricular team or organization will generally not be considered as high-quality actions. Some activities that are accepted as 'Service Learning' hours by the school may not count towards meeting this requirement.

The student meeting the expectations of this pillar:

- Assists at a variety of community-based opportunities, such as volunteering at a homeless shelter, selling snow cones at the Strawberry Festival, ushering for a school theatrical performance, and/or tutoring classmates in the Learning Center
- Volunteers as a long-term assistant to a Brownie Troop, assistant to a youth athletic team or club, mentor to a child as a Big Brother / Big Sister, or reader to children at the Nesmith Library
- Does not benefit from the service, such as cleaning the playing field of his/her team, building sets for his/her performance, or the receipt of academic credit

Service:

4	3	2	1
Students have far exceeded the Service expectations with a wide variety of quality service projects, or a significant, long-term dedication to a single quality service project.	Students have exceeded the Service expectations with a variety of quality service projects, or dedication to a single long-term quality service project.	Students have met the minimum Service expectations through a variety of service projects, or a single project.	Student have met the minimum Service expectations through service projects that lack variety, depth, or quality

Leadership:

Leadership is generally considered to be actions in the classroom, at work, and in school or community activities, which inspire others to demonstrate positive behavior. A leader is resourceful in proposing new problems, applying principles, and directing action. A leader demonstrates initiative, encourages others, and serves as a model for all. Leaders are able to delegate responsibilities effectively. Leadership roles in both the school and community may be considered, provided they can be verified.

The student meeting the expectations of this pillar:

- Is an elected leader of one or more clubs, teams, or organizations
- Effectively participates in those activities in ways that inspire others to greater success
- Is recognized as a person who can be relied on by the leaders of groups and/or activities to work hard without being asked

Leadership:

4	3	2	1
Students have far exceeded the Leadership expectations. Faculty survey responses are mostly 4s in this category. Recommendations are consistently exemplary in all categories.	Students have exceeded the Leadership expectations. Faculty survey responses are mostly 3s in this area. Recommendations are consistently commendable in all categories.	Students have demonstrated some of the Leadership expectations. Faculty survey responses are mostly 2s in this area. Recommendations are inconsistent or most categories are found to be acceptable or commendable.	Students have demonstrated few or none of the Leadership expectations. Faculty survey responses are 1s in this area. Recommendations are inconsistent or most categories are found to be acceptable or unremarkable.

Character:
Character is generally considered to be the demonstration of five traits: respect, responsibility, trustworthiness, compassion, and integrity. The student of good character respects peers and adults alike, takes responsibility for his/her actions, earns the trust of others, shows compassion for all, and demonstrates integrity. This pillar will be evaluated based on two adult recommendations, a faculty evaluation, as well as a personal essay submitted as part of the application process.

The student meeting the expectations of this pillar:

- Is viewed by his/her peers and adults alike as consistently demonstrating the qualities of character
- Upholds the principles of morality and ethics through word and action
- Manifests his/her character in obedience to federal and state laws, school rules, adherence to policies regarding academic integrity, and taking credit only for his/her own actions individually or as part of a group
- Adheres to these principles at all times, and in all locations

Character:

4	3	2	1
Student has far exceeded the Character expectations. Faculty survey responses are mostly 4s in this category. Student essay shows a strong understanding and demonstration of the five traits of character. Recommendations are consistently exemplary in all categories.	Student has exceeded the Character expectations. Faculty survey responses are mostly 3s in this area. Student essay shows an understanding and demonstration of the five traits of character. Recommendations are consistently commendable in all categories.	Student has demonstrated the Character expectations. Faculty survey responses are mostly 2s in this area. Student essay shows an understanding of the five traits of character. Recommendations are inconsistent or most categories are found to be acceptable or commendable.	Student has not upheld the qualities of good character as noted. Faculty survey responses are 1s or 2s in this area. Significant shortfalls in this area are evident through the student essay. Recommendations are inconsistent or most categories are found to be acceptable or unremarkable.

French Honor Society

The French National Honor Society is a selective organization of high achieving French students. Throughout the year, these students tutor other French students and facilitate the French club while also promoting the love of the French language. They support and facilitate the French activities for Windham Game Day and the multicultural event. They plan and offer a French breakfast each semester for all French students. Additionally, the students maintain the Unified Classroom page, "All Things French", that offers resources such as study guides inks to quillets, and cultural information

- They must be in French 2 or higher
- Must be a sophomore (rising juniors), juniors, or seniors.
- Must have maintained an A- average or better throughout their French career and an overall B- average or better.
- No issues of discipline etc.

Mu Alpha Theta Math Honor Society

Mu Alpha Theta Math Honor Society is a national collegiate organization that promotes the understanding and enjoyment of mathematics. In order to become a member, the following criteria must be met:

- Exhibits a genuine interest in Mathematics.
- Currently enrolled in an AP Mathematics course for 2021/22.
- 3.7 math specific GPA and 2.0 overall GPA
- Current with WHS community service requirements: For Juniors, 20 hours completed; For Seniors, 30 hours completed
- Agree to represent WHS by participating in NEML or Tri-State mathematics competitions.
- Agree to volunteer for a minimum of 10 hours per semester for Math Tutoring through the Mu Alpha Theta organization.

Science National Honors Society

SNHS students must be passionate about STEM and helping others to become passionate about STEM.

- Students must have taken or be enrolled in any of the AP science courses; AP Computer Science A, AP Physics I, AP Physics C, AP Biology, AP Chemistry.
- Members meet for 3 meetings throughout the year which will be held after school on Wednesdays.
- Members must also attend 2 events and provide 5 hours of tutoring science to peers. Attendance to all of these events is mandatory.

Spanish National Honors Society

Spanish Honor Society is made up of a dedicated group of Spanish students who have met honors status in their Spanish classes, completed level 2 or higher, and are a Junior or older. The group meets to plan cultural and community activities relating to the Spanish language.

Tri M Honor Society

Music Honor Society is a nationally recognized organization for students who are high achieving both academically and musically and stand out as leaders for their peers. The requirements include service, leadership and musicality and the goals are based around music advocacy in and around the state.

Advanced Placement (AP) Program

The Advanced Placement (AP) Program is a cooperative, educational endeavor of secondary schools, and colleges. The College Board Advanced Placement courses give students the opportunity to take college-level courses while still enrolled in high school. The rigorous course material, classroom discussions, and demanding assignments allow students to develop the content mastery and critical thinking skills expected of college students. Many students report that they enjoy the challenge of advanced placement study; high school faculty find that AP courses greatly enhance students' confidence and academic interest; and college faculty find that these students are far better prepared for serious academic work.

Advanced Placement exams are an essential part of the AP experience and provide students and colleges with a standardized measure of mastery and achievement. Administered nationally in May, the exams are recognized by nearly 2,900 United States and foreign colleges and universities, which grant credit, advanced placement, or both to students who have performed satisfactorily on AP examinations. Approximately 1,200 institutions grant sophomore standing to students who have demonstrated their competence in three or more of these examinations. Many other colleges grant advanced standing to students who have demonstrated competency in Advanced Placement exams. **Students who choose to enroll in an AP course at Windham High School are required to take the AP exam at their own expense. If there is a financial hardship, please see your teacher or school counselor at the start of the course. Tests are ordered in early September. If an AP class is dropped, the student will still be responsible for the cost of the exam.**

Source: College Entrance Examination Board and Educational Testing Service.

Honors Courses

Honors courses are taught at a faster pace and more rigorous level. Students are expected to be self-directed learners and comprehend complex material. Honors courses require students to complete considerable work outside the classroom.

Course Competencies

Competencies establish performance as the standard for student success, attainment of credit, and graduation. Competency assessments measure a student's ability to apply course content, concepts, and skills. Assessment of course competencies occur throughout the school year.

Running Start Program (RSP)/Dual Enrollment (DE)

Running Start/Dual Enrollment are partnerships between the Community Colleges of New Hampshire, Southern New Hampshire University and Windham High School, providing students the opportunity to take college courses while also completing their requirements for high school graduation. These college courses are not extra classes taken before or after school. They are part of the daily class schedule and are taught at the college level by Windham High School teachers who meet or exceed the hiring qualifications to teach at the college level. Currently, high school students with junior or senior status are eligible to participate in the Running Start Program/Dual Enrollment. The tuition is typically $150 per course, which is paid directly to the college at the beginning of the course. Scholarships may be available for students with financial need.

The benefits of taking college credits earned through Running Start/Dual Enrollment programs are that the high school junior or senior is able to gain experience in college-level work while receiving college credit at a fraction of the cost of college tuition. Additionally, these college credits may be transferred to many other two-year and four-year colleges across the country. The colleges within the Community College System of NH (CCSNH)and Southern New Hampshire University (SNHU) are accredited by the New England Association of Schools & Colleges, Commission on Institutions of Higher Education. Although transferability policies vary from college to college, credit transfer is dependent on many variables including your grade in the course, academic major, and your willingness to produce proper documentation such as the course syllabus or a course portfolio. However, based on surveys from former Running Start participants, most students who have taken CCSNH/SNHU courses through Running Start/Dual Enrollment have been successful in transferring their credits to other colleges and universities. Course offerings may vary from semester to semester and not all sections of classes will be designated as a Running Start/Dual Enrollment course. Please talk to your high school guidance counselor to learn what courses are offered.

Academic Supports

Academic Study

Any student who does not enroll in eight courses will be assigned to Academic Study. This is an opportunity for all students to work on classroom assignments with the assistance of a teacher. Students will also have the opportunity to visit the Learning Center and Media Center, work on special projects, or meet with their teachers or guidance counselor during this time.

ESOL (English for Speakers of Other Languages)

Support is provided for students who have met the requirements for ESOL services according to the state of New Hampshire guidelines. A placement test is given to each student whose Home Language Survey indicates a language other than English is used in the home. Services can be in the form of a two-credit English class and/or assistance during a student's regularly scheduled study hall. Such supports are offered until the student tests proficient in English on the ACCESS for ELLs test.

Library Learning Commons

The Windham High School Library Learning Commons is to support the curricular goals of the high school staff and students. The Librarian collaborates with teachers & staff to help students become effective and ethical users of information resources in all formats, to empower them to become well-informed citizens, lifelong learners, and avid seekers of information. The Library Learning Commons resources include books, periodicals, newspapers, DVD's, audiobooks, eBooks, online databases, and more. The Learning Center is open after school on Monday, Tuesday, & Thursdays for test retakes, peer tutoring and to provide an opportunity for students to work privately, collaboratively, or receive support from selected tutors.

The library catalog, online databases, and media resources are accessible to the WHS community 24/7 through the WHS Library Learning Commons Schoology page and on the district & school webpage at https://whs.windhamsd.org/about_whs/academics/library_learning_commons. Students, teachers, and staff also have access to photocopiers, scanners, school supplies like pencils, pens, markers, paper, and equipment like computer & phone charging cords, calculators, DVD players, and iPads. Students participate in Library instructional classes co-taught with classroom teachers and embedded into the core curriculum to help familiarize them with information and technology resources including how to do research, digital citizenship, proper citation use, copyright information, digital citizenship information, how to use digital tools, ethical use of resources, and much more.

Special Services

Consultation and Training

In accordance with documented needs, teachers and other professionals or support staff members will be provided with specialized consultation or training that will allow them to understand the unique educational needs of a student. Consultation and training enable educators to plan and deliver specialized instructional strategies within the context of the classroom or other school-based learning environments.

Classroom Accommodations

In accordance with a written plan, students' IEPs, 504s, and individual accommodation plans, will be provided with accommodations that are necessary for a student to access and progress in the general curriculum. Accommodation does not fundamentally change the content of a course or the expectations for student learning. Rather, accommodations are adjustments to the methods of instructional delivery, the assessment or demonstration of learning, and/or other aspects of the regular classroom setting.

Classroom Supports

In accordance with a written agreement, students will be provided with in-classroom support that will afford them access to the general curriculum and advance progress toward specific educational goals. Based on the unique educational needs of each student, classroom support can be delivered in a myriad of ways including, but not limited to co-teaching, specialized or paraprofessional assistance, or assistive technology devices.

Specialized Related Services

Students who require additional supplementary services or support in order to access or benefit from their specially designed educational programs will be afforded those services in accordance with written student-specific agreements. Related services typically provide the most benefit to students when they are delivered within the classroom. *Students whose educational needs necessitate specialized related services outside the classroom setting are strongly encouraged to enroll in the Learning Center to better facilitate these services.*

Supplementary Instruction

In accordance with the written recommendation of a multidisciplinary team and the unique educational goals of a student, other areas of academic or school-based need may be addressed through targeted supplementary instruction outside the realm of a specific course.

Modifications

In accordance with a written plan and based on the unique needs of a student, modifications may be made to the general curriculum in one or more courses. Modifications are changes to the curriculum of a course that do fundamentally alter the targeted outcomes, learning expectations, or grading of the course. Modified courses will be indicated as such, on report cards and transcripts.

EBD Program:

Emotional/Behavioral Program: This is for students who display difficulty regulating their behavior and emotions within the general education population and require instruction with coping skills and strategies as well as developing appropriate social interactions. This program will offer a drop-in setting where students can de-escalate, meet with counselors, and have a quiet place to work as their needs designate. This program will offer supported studies for those with the aforementioned needs.

Autism Program: This is designed to provide instruction as a supported study course and a drop-in program to address students' academic and functional needs that require specially-designed instruction in the following areas per individual education plans and team recommendations: support with academics (Autism specialist will also provide consultation for teachers to help guide their instruction), inter and intra-personal skills, social interactions and reciprocity, and empathy, delivered with a social thinking-like curriculum , identifying facial and behavioral cues, expressive, receptive and pragmatic communication, and behavioral regulation, etc..... using ABA type methods.

As appropriate, students may receive explicit instruction and practice using strategies to mitigate sensory stimuli (sights, sounds, smells, textures against skin and eating, small or large spaces...) and increase adaptive functioning to prepare for academic, vocational and life skills after high school.
In addition, students will be connected with vocational rehabilitation and other agencies as required by the individual education plans all to be coordinated, supervised, and monitored by the case manager/Autism specialist.

REACH Program

Life Skills Program: Program for students who are in need of foundational academic skills, independent living, social and functioning Skills. This program consists of:

Alternate Applied Instruction for 9-12 grade offers basic, functional academics, independent living, social and functional skills, as well as career readiness and employment, all with a hands-on student-driven approach. There are opportunities for instruction and career within the community and the school itself; Work to Learn Program, direct instruction, and consultation from a variety of related providers such as OT, Speech, PT, assistive technology experts, IA's, special educators.

The Redesigned Educational Achievement for the Community and Home (REACH) Program offers a cross-grade, non-categorical, intensive needs program for students whose IEPs call for supports and services that cannot be provided solely through the general education programs. Direct, hands-on instruction enables students to acquire, maintain, and apply skills in the following areas – technology, interpersonal relationships, recreation, self-management, independent living, and preparations for employment – and to apply those skills in a variety of settings. Included in the program is collaboration with general education staff to assist them in helping students carry over their unique goals to the general education setting as appropriate. On-going collaboration with parents will ensure continuity and carryover of the program structure between school, home, and community. Embedded in the program are natural and peer supports that promote skills critical for independence so that participating students can achieve their Transition Plan outcomes and become fully contributing members of their community.

The Work to Learn Program is a career readiness exploratory program for students to become employable and who need explicit instruction and practice with the responsibilities, expectations, and skills of a job. This is an extension of the REACH Life Skills program that fosters adult daily living and adaptive skills, social, communication and vocational development and readiness for postsecondary work opportunities. Windham High School (vocational/transition coordinator and Work to Learn instructor) will work collaboratively with local businesses to secure various job opportunities for hands-on training to prepare students for a job during and after high school.

Homework Expectations

There is truly no "typical" student. The following guidelines are designed to help students and parents plan course selections that maximize a student's potential for overall success. Below, the directors of each academic department have attempted to define how often homework will be assigned, the length of time the "typical" student will take to complete the homework necessary prior to the next class meeting, and what types of homework assignments students may expect in a class. Some students tend to take longer to complete homework, while others take less time. This is partly a reflection of the student's aptitude for a course/subject, but also speaks to his/her focus, attention to detail, the environment in which homework is completed, as well as the number and types of assignments given by teachers. Most required courses (e.g., Biology, Geometry, Cultural Foundations, HP) are specifically identified. In other cases, a general statement is made based on the elective nature of a group of courses (e.g., English or Social Studies electives). These guidelines should not be read or used as an exact statement of how long the homework may take prior to each class.

Course(s)/Level	Frequency of formative assessments	Approximate time required (per class)	Frequency of summative assessments	Assignments typically assigned for this class include, but are not limited to:
Humanities (English / Social Studies)				
Cultural Foundations (CP)	Each class	30-40 min.	Weekly	Reading, open responses, journal writing, formal essays, projects, presentations, research
Cultural Foundations (Honors)	Each class	50-60 min.	Weekly	Reading, open responses, journal writing, formal essays, projects, presentations, research
American Studies (CP)	Each class	30-60 min.	Weekly	Reading, notes, open response journal writing, formal essays, projects, presentations, research
American Studies (Honors)	Each class	60-75 min.	Weekly	Reading, notes, open response journal writing, formal essays, projects, presentations, research
English				
Writing (CP)	Weekly	30-40 min.	Weekly	Reading, essays, constructed responses, presentations, research.
Writing (Honors)	Each class	50-60 min.	Weekly	Reading, essays, constructed responses, presentations, research.
English Electives (AP)	Weekly	60-120 min.	Weekly	Reading, essays, presentations, formal notes, research, discussion leading.
English Electives (CP)	Weekly	30-40 min.	Weekly	Reading, essays, constructed responses, presentations, research, projects
English Electives (Honors)	Weekly	50-60 min.	Weekly	Reading, essays, constructed responses, presentations, research, projects
World Literature & Composition	Weekly	30-40 min.	Weekly	Reading, essays, constructed responses, presentations, research, projects

Course(s)/Level	Frequency of formative assessments	Approximate time required (per class)	Frequency of summative assessments	Assignments typically assigned for this class include, but are not limited to:
World Literature & Composition (Honors)	Weekly	50-60 min.	Weekly	Reading, essays, constructed responses, presentations, research, projects
Social Studies				
Social Studies Elective Courses (AP)	Weekly	60-120 min.	Weekly	Reading, notes, formal essays, projects, research, presentations.
Social Studies Elective Courses (Honors)	Weekly	60-90 min.	Weekly	Reading, notes, formal essays, projects, research, presentations
Social Studies Electives (CP)	Weekly	15-60 min.	Weekly	Reading, notes, formal essays, projects, research, presentations
Fine, Living & Technical Arts				
Mixed Choir Concert Band Wind Ensemble String Ensemble	Every day of the week	30 min.	Once every two weeks	Practice logs, performances, rehearsals, presentations, written responses, music theory assignments, sectionals
Music Theory Music and Pop Culture Guitar and Piano	Each class	15-30 min.	Weekly	Practice logs, musical compositions, projects, presentations, written responses, listening logs, theory assignments, performances
Drawing I Ceramics/Pottery I Sculpture, Painting I Jewelry & Light Metal	Weekly	60 min. per week	Once every 2-3 weeks	Projects, research, reflective writing, worksheets, completion of unfinished projects
Drawing II, Painting II Ceramics/Pottery II	Weekly	120 min. per week	Once every 2-3 weeks	Projects, research, reflective writing, worksheets, completion of projects
Studio Art (AP) Honors Studio Art	Each class	60 min.	Once every 1.5 weeks	A minimum of 24 high quality art projects by April vacation, projects, portfolios, critique, reflective writing, sketchbook assignments, research
Graphic Design I Graphic Design II TV/Video I TV/Video II Digital Media Photography I, II & III Desktop Publishing	After every 2-3 class sessions	60-90 min. per week	Once every 2-3 weeks	Project segments, reflective writing, reading with written response, research, worksheets, presentations, completion of unfinished projects
Fashion Design Interior Design	Weekly	Up to 60 min. per week	3-4 projects per quarter	Sketchbooks, shopping for items, reading for written responses, preparation for short presentations
Parenting and Child Development	Weekly	Up to 60 min. per week	3-4 projects per quarter	Reading for written responses, preparation for short presentations

Course(s)/Level	Frequency of formative assessments	Approximate time required (per class)	Frequency of summative assessments	Assignments typically assigned for this class include, but are not limited to:
Foods and Nutrition World Cuisine Pastry Arts	Weekly	15-30 min.	1-2 per week	Labs, projects, completion of unfinished projects/labs
Mathematics and Business				
Algebra I Geometry Algebra II	Each class	30-40 min.	Weekly	Reading, open and multiple-choice responses, journal writing, projects.
Algebra I (CP) Geometry (CP) Algebra II(CP) Pre-Calculus (CP) Calculus (CP)	Each class	40-50 min.	Weekly	Reading, open and multiple-choice responses, journal writing, projects.
Geometry Honors Algebra II Honors Pre-Calculus Honors	Each class	50-60 min.	Weekly	Reading with open and multiple-choice responses, journal writing, and projects.
Statistics (AP) Calculus (AP)	Each class	60-75 min.	Weekly	Reading with open and multiple-choice responses, journal writing, and projects. Practice AP exams at least twice each month—adds 10-12 hours per month of additional homework.
Science & Engineering				
Biology (CP) Chemistry (CP) Physics (CP)	2/3 of classes	20-30 min.	Weekly	Reading with written responses, lab report writing, projects, review of materials needed for class participation.
Biology (Honors) Chemistry (Honors) Physics (Honors)	Each class	30-40 min.	Weekly	Reading with written responses, lab report writing, projects, and review of materials needed for class participation.
Biology (AP) Chemistry (AP) Physics (AP)	Each class	60-80 min.	Weekly	Reading with written responses, lab report writing, projects, practice exams and questions, problem sets
Foreign Language				
Foreign Language (Honors)	Each class	30-90 min.	Weekly	Translations, worksheets, essays, notes, reading, presentations, journal writing
Foreign Language (CP)	Each class	15-60 min.	Weekly	Translations, worksheets, essays, notes, reading, presentations, journal writing

Planning a Course of Study

College Admission Requirements

College entrance requirements vary greatly, and students should carefully review individual college requirements. In order to best prepare for the highly competitive college admissions process, students are strongly encouraged to take as demanding a schedule as possible during their four years at Windham High School. Colleges carefully review the following criteria during the admissions process:

1. Grades in college preparatory courses
2. Strength of the curriculum
3. Overall Grade Point Average (GPA)
4. Class rank
5. School counselor/teacher recommendations
6. Standardized test courses (SAT I/ACTs and SAT II Subject tests)
7. Application essay

Suggested High School Course of Study

4-Year Colleges

English	4 years
Social Studies	4 years
Math	3-5 years depending on college/major
Science	3-5 years depending on college/major
World Languages	2-4 years in the same language
Electives	2 or more years depending on personal interest and educational goals

2-Year Colleges and Technical Schools

English	4 years
Social Studies	3 years
Math	3-4 years
Science	3-4 years
World Languages	0-3 years depending on college/major
Electives	2 or more years depending on personal interest and educational goals

Global Leadership Certification

The Global Leadership Certificate at WHS provides students with the opportunities to immerse themselves into cultural diversity, global citizenship and responsibility as well as gaining the skills and strategies that are necessary to become emerging leaders in a global community. Students will work collaboratively with other students around the world and address current challenges and events by using adaptability skills and strategies. Students will immerse themselves in multi-culturally diverse opportunities and community services, international travel to learn various perspectives, and tackle world issues all while becoming global citizens.

Windham High School Global Leadership Certificate

Courses	Years
English	4 years
Mathematics	3 years
Science (Lab)	3 years
Social Studies	3.5 years
Foreign Languages	3 years of the same language other than English
Global Economics	0.5 year
AP Gov't or AP Environmental Science	1 year
Global Perspectives	0.5 year

Additional requirements: 15 hours of community service in a multi-cultural environment and international travel with school or pre-approved family travel.

Windham High School STEAM Academy Certificate

Current NH Scholars STEM Emphasis Requirements:

4 years of English
4 years of Math (Algebra 1, Geometry, Algebra 2, +1)
4 years of Science (3 years of Labs in Bio, Chemistry, Physics, H A&P, Engineering, CS, Health Science)
3.5 years of Social Studies
2 years of a foreign language
1 year (or more) chosen Technology, Engineering, Computers, Science, Math, and some CTE

Minimum GPA 3.2

Windham High School Business Certificate

Courses	Years
English	4 years
Mathematics	4 years
Statistics	1 semester (can count towards 4 credits in math)
Science (Lab)	3 years
Social Studies	3.5 years
Foreign Languages	2 years of the same language other than English
Business Management	1 semester
Marketing 1	1 semester
Accounting 1	1 semester
Business Electives (2)	1 semester each

Minimum GPA 3.0

Also participate in at least one semester of a Business based extended learning opportunity and for at least 2 years, actively participate in either FBLA or DECA.

New Hampshire State Scholars Core Curriculum

Courses	Years
English	4 years
Mathematics	3 years
Science (Lab)	3 years
Social Studies	3.5 years
Foreign Languages	2 years of the same language other than English

Minimum GPA 3.0

New Hampshire State Scholar w/STEM Emphasis

Courses	Years
English	4 years
Mathematics	4 years
Science (Lab)	3 years
Social Studies	3.5 years
Foreign Languages	2 years of the same language other than English
Technology/Engineering, Computers, or Adv. Manufacturing	1 or more years (courses)

Minimum 3.2 GPA in STEM courses

New Hampshire State Scholar w/Art Emphasis

Courses	Years
English	4 years
Mathematics	4 years
Science (Lab)	3 years
Social Studies	3.5 years
Foreign Languages	2 years of the same language other than English
Visual Arts, Fine Arts, Performing Arts, Music, Graphic Design	2 years

Minimum 3.2 GPA in ART courses

NCAA Freshmen Eligibility Standards

College-bound student-athletes who want to compete in NCAA sports at a Division I or II school, need to meet certain division-wide academic and amateurism standards. Students who plan to attend a Division III school only need to meet the admission standards of the school they plan to attend. *They MUST also register on the NCAA Eligibility Center website.

Division I Initial Eligibility

For students to be eligible to compete in NCAA sports during their first year at a Division I school, they must meet standards for their core courses, course grade-point average and standardized test scores (SAT/ACT).

Students must graduate high school and meet ALL the following requirements:

1. Complete 16 core courses
    a. Four years of English
    b. Three years of math (Algebra I or higher)
    c. Two years of natural/physical science (including one year of lab science)
    d. One additional year of English, math, natural/physical science
    e. Two years of social studies
    f. Four additional years of English, math. Natural/physical science, social science, foreign language or philosophy
2. Complete 10 core courses, including seven in English, math or natural/physical science, before the start of their seventh semester. Once students begin their seventh semester, they must more than 10 core courses completed to be able to replace/repeat any of the 10 courses used to meet the 10/7 requirement.
3. Earn at least a 2.3 GPA in their core courses.
4. Earn an SAT combined score or ACT sum score matching their core GPA on the Division I sliding scale, which balances test scores and core-course GPA. If students have a low-test score, they need a higher core-course GPA to be eligible. If they have a low core-course GPA, they need a higher test score to be eligible.

Division II Initial Eligibility

For students to be eligible to compete in NCAA sports during their first year at a Division II school, they must meet academic requirements for their core courses, core-course grade-point average (GPA) and test scores.

Students must graduate high school and meet ALL the following requirements.

1. Complete 16 core courses to include:
    a. Three years of English
    b. Two years of math (Algebra I or higher)
    c. Two years of natural or physical science (including one year of lab science).
    d. Three additional years of English, math, natural or physical science
    e. Two years of social studies
    f. Four additional years of English. Math, natural or physical science, social studies, foreign language, or philosophy.
2. Earn at least a 2.2 GPA in core courses.
3. Earn an SAT combined score or ACT sum score matching their core GPA on the Division II sliding scale, which balances test scores and core-course GPA. If students have a low-test score, they need a higher core-course GPA to be eligible. If they have a low core-course GPA, they need a higher test score to be eligible.

Students seeking eligibility should check the website regularly for any updates or changes to the rules and to view the complete list of approved courses for Windham High School.

Course Offerings

BUSINESS TECHNOLOGY

COURSE NAME	GRADE				CREDITS	PAGE NO.
Computer Applications^	9	10	11	12	0.5	38
Accounting I**		10	11	12	0.5	38
Accounting II**		10	11	12	0.5	39
Business Management & Entrepreneurship	9	10	11	12	0.5	39
Introduction to App Development/Web Design^	9	10	11	12	0.5	39
Marketing I		10	11	12	0.5	39
Marketing II		10	11	12	0.5	39
Jaguar Junction Small Business Management			11	12	0.5	40
Personal Finance**		10	11	12	0.5	40
Global Business			11	12	0.5	40
Sports & Entertainment Marketing			11	12	0.5	40
Unified Business	9	10	11	12	0.5	40

****Elective or Math Credit**
^ Fulfills ICT Requirement

ENGLISH

COURSE NAME	GRADE				CREDITS	PAGE NO.
Grammar & Composition	9				1.0	41
Writing	9				0.5	41
Honors Writing	9				0.5	42
World Literature and Composition			11		1.0	42
Honors World Literature and Composition			11		1.0	42
AP Language and Composition			11		1.0	42
Advanced Grammar & Composition			11	12	0.5	42
Honors British Literature				12	0.5	43
Honors Introduction to College Writing **(DE)**				12	0.5	43
Honors Philosophical Literature				12	0.5	43
Journalism			11	12	0.5	43
Literature of Land and Sea				12	0.5	43
Media and Persuasion				12	0.5	44
Mythological Literature				12	0.5	44
Prose and Poetry				12	0.5	44
Public Speaking				12	0.5	44
AP Literature and Composition				12	1.0	44

FAMILY and CONSUMER SCIENCES

COURSE NAME	GRADE				CREDITS	PAGE NO.
Fashion Design and Textiles I	9	10	11	12	0.5	45
The Chef	9	10	11	12	0.5	45
Baking 101	9	10	11	12	0.5	45
World Cuisine	9	10	11	12	0.5	45
Interior Design		10	11	12	0.5	46
Parenting and Child Development		10	11	12	0.5	46
Unified Family and Consumer Science		10	11	12	0.5	46

HUMANITIES

COURSE NAME	GRADE				CREDITS	PAGE NO.
Cultural Foundations	9				2.0	47
Honors Cultural Foundations	9				2.0	47
American Studies		10			2.0	48
Honors American Studies		10			2.0	48

HUMAN PERFORMANCE and WELLNESS

COURSE NAME	GRADE				CREDITS	PAGE NO.
Human Performance						49
Human Performance	9				0.5	49
Unified Human Performance	9	10	11	12	0.5	50
Recreational Games and Activities		10	11	12	0.5	50
Advanced Training and Sports Nutrition			11	12	0.5	50
Personal and Lifetime Fitness		10	11	12	0.5	50
Team Sports		10	11	12	0.5	50
Team Sports II			11	12	0.5	51
Sports Officiating						51
Fitness and Rhythm						51
Strength, Speed and Agility Development		10	11	12		51
Strength, Speed and Agility Development 2		10	11	12		51
Wellness						52
Wellness	9				0.5	52

MATHEMATICS

COURSE NAME	GRADE				CREDITS	PAGE NO.
Fundamentals of Mathematics I (FOM I)	9	10			1.0	53
Fundamentals of Math II (FOM II)		10	11		1.0	54
Algebra I – Extended			11	12	2.0	54
Algebra I	9	10	11		1.0	54
Algebra I Skills Support (excluded from math grad. requirement) *	9	10	11		0.5	54
CP Algebra I	9	10			1.0	54
Geometry		10	11	12	1.0	55
CP Geometry	9	10			1.0	55
Honors Geometry	9	10			1.0	55
Algebra II w/Advanced Functions A			11	12	1.0	55
Algebra II w/Advanced Functions B				12	0.5	55
CP Algebra II		10	11	12	1.0	56
Honors Algebra II	9	10	11		1.0	56
CP Precalculus			11	12	1.0	56
Honors Precalculus		10	11	12	1.0	56
Calculus (DE)			11	12	1.0	56
AP Calculus AB			11	12	1.0	56
AP Calculus BC			11	12	1.0	57
AP Statistics			11	12	1.0	57
Statistics			11	12	0.5	57
Trigonometry			11	12	0.5	57
Math Modeling			11	12	0.5	57
Accounting I**		10	11	12	0.5	57
Accounting II**		10	11	12	0.5	58
Personal Finance**		10	11	12	0.5	58

****Elective or Math Credit**

MUSIC

COURSE NAME	GRADE				CREDITS	PAGE NO.
Concert Band/Honors Wind Ensemble*	9	10	11	12	1.0	59
Honors Jazz Ensemble*	9	10	11	12	1.0	60
Mixed Choir/Honors Mixed Choir*	9	10	11	12	1.0	60
Orchestra*	9	10	11	12	1.0	60
AP Music Theory*		10	11	12	1.0	61
Introduction to Music Theory and Composition	9	10	11	12	0.5	61
Beginning Guitar *	9	10	11	12	0.5	61
Guitar Ensemble *	9	10	11	12	0.5	61
Beginning Piano I*	9	10	11	12	0.5	62
Piano II*	9	10	11	12	0.5	62
Sound Design*	9	10	11	12	0.5	62
Music Theory for Beginners*	9	10	11	12	0.5	62
Music in Pop Culture*	9	10	11	12	0.5	63
Introduction to Theater Arts*	9	10	11	12	0.5	63
Musical Theatre Workshop*	9	10	11	12	0.5	63

***Fulfills Arts Requirement**

SCIENCE and ENGINEERING DESIGN

COURSE NAME	GRADE				CREDITS	PAGE NO.
Science						64
Life Science	9	10			1.0	64
Biology	9	10			1.0	65
Honors Biology	9	10			1.0	65
Chemistry			11	12	1.0	65
Honors Chemistry			11	12	1.0	65
Physics			11	12	1.0	65
Honors Physics			11	12	1.0	66
Human Anatomy and Physiology **(DE)**			11	12	1.0	66
Honors Computer Science Principles^	9	10	11	12	1.0	66
AP Computer Science Principles^	9	10	11	12	1.0	66
AP Computer Science A^			11	12	1.0	67
AP Biology			11	12	1.0	67
AP Chemistry			11	12	1.0	67
AP Environmental Science			11	12	1.0	67
AP Physics I			11	12	1.0	67
AP Physics C: Calculus Based				12	1.0	68
Honors Engineering Capstone Design				12	1.0	68
Conceptual Physics and Chemistry			11	12	1.0	68
Physical Earth-Space Science			11	12	1.0	68
Astronomy			11	12	0.5	69
Forensics			11	12	0.5	69
Issues in Environmental Science			11	12	0.5	69
MythBusters			11	12	0.5	69
Genetics			11	12	0.5	69
Infectious Diseases			11	12	0.5	69
IT Essentials		10	11	12	1.0	70
STEAM Project Based Learning		10	11		0.5	70
STEM Seminar				12	1.0	70
Senior STEAM Capstone				12	1.0	70
WHS STEAM Academy Certificate						71
Engineering Design						73
Engineering A – The Basics^		10	11	12	0.5	73
Engineering B – Digital Design^		10	11	12	0.5	73

^Fulfills ICT Requirement

SOCIAL STUDIES

COURSE NAME	GRADE				CREDITS	PAGE NO.
Contemporary World History			11	12	0.5	74
Economics			11	12	0.5	74
Global Economics			11	12	0.5	75
Global Perspectives	9	10	11	12	0.5	75
Government: Introduction to Political Science			11	12	0.5	75
Government: Practical Law I			11	12	0.5	75
Practical Law II			11	12	0.5	75
Legacy of Greco-Roman Culture	9	10	11	12	0.5	76
Psychology		10	11	12	0.5	76
Studies in Ethics and Genocide			11	12	0.5	76
US and World Geography		10	11	12	0.5	76
AP Comparative Government			11	12	1.0	76
AP Economics			11	12	1.0	77
AP European History			11	12	1.0	77
AP Government			11	12	1.0	77
AP Human Geography	9	10	11	12	1.0	77
AP Psychology				12	1.0	77
AP U.S. History-Modern			11	12	1.0	78

VISUAL ARTS

COURSE NAME	GRADE				CREDITS	PAGE NO.
AP Studio Art and Design*			11	12	1.0	79
Honors Studio Art Semester S1*			11	12	0.5	80
Honors Studio Art Semester S2*			11	12	0.5	80
Ceramics and Pottery I*	9	10	11	12	0.5	80
Ceramics and Pottery II*		10	11	12	0.5	80
Honors Ceramics and Pottery III*			11	12	0.5	80
Digital Media I – Exploration^	9	10	11	12	0.5	81
Digital Media II – Advanced Media Creation^		10	11	12	0.5	81
Drawing I*	9	10	11	12	0.5	81
Drawing II*	9	10	11	12	0.5	81
Graphic Design I*	9	10	11	12	0.5	81
Graphic Design II*		10	11	12	0.5	82
Introduction to Animation*^	9	10	11	12	0.5	82
Jewelry and Light Metals*		10	11	12	0.5	82
Painting I*	9	10	11	12	0.5	82
Painting II*		10	11	12	0.5	82
Photography I*	9	10	11	12	0.5	83
Photography II*		10	11	12	0.5	83
Photography III*		10	11	12	0.5	83
Sculpture*		10	11	12	0.5	83
TV-Video I – Production Fundamentals	9	10	11	12	0.5	83
TV-Video II – Studio Production		10	11	12	0.5	84
TV-Video III- Film Production		10	11	12	0.5	84
Yearbook 101^	9	10	11	12	0.5	84

***Fulfills Arts Requirement**
^Fulfills ICT Requirement

WORLD LANGUAGE

COURSE NAME	GRADE				CREDITS	PAGE NO.
French I	9	10	11	12	1.0	85
French II	9	10	11	12	1.0	85
French III		10	11	12	1.0	86
Honors French IV – French Language and Literature			11	12	1.0	86
AP French V				12	1.0	86
Latin I	9	10	11	12	1.0	86
Latin II		10	11	12	1.0	86
Latin III			11	12	1.0	87
Honors Latin IV				12	1.0	87
Spanish I	9	10	11	12	1.0	87
Spanish 1.5	9	10	11	12	1.0	87
Spanish II	9	10	11	12	1.0	87
Spanish III		10	11	12	1.0	87
Spanish IV			11	12	1.0	88
Honors Spanish IV			11	12	1.0	88
AP Spanish V - Language and Culture			11	12	1.0	88
AP Spanish VI - Literature				12	1.0	88

SPECIALIZED COURSES

COURSE NAME	GRADE				CREDITS	PAGE NO.
Humanities Skills	9	10			1.0	89
Foundations of Learning	9	10	11	12	0.5	89
Alternative Applied Instruction	9	10	11	12	Varies	90
Life Skills Business		10	11	12	0.5	90

CAREER and TECHNICAL EDUCATION – Salem High School

COURSE NAME	GRADE				CREDITS	PAGE NO.
Automotive Technology I		10	11		2.0	91
Automotive Technology II			11	12	2.0	91
Biomedical Science I		10	11	12	2.0	92
Biomedical Science II			11	12	2.0	92
Business Principles		10	11		1.0	92
Marketing		10	11		1.0	92
College Accounting		10	11	12	1.0	93
Business Law		10	11	12	1.0	93
Business Management			11	12	1.0	93
Carpentry and Construction I		10	11		2.0	93
Carpentry and Construction II			11	12	2.0	93
AP Computer Science Principles		10	11		2.0	94
AP Computer Science A			11	12	2.0	94
Cosmetology I		10	11		2.0	94
Cosmetology II			11	12	2.0	94
Culinary Arts I		10	11		2.0	95
Culinary Arts II			11	12	2.0	95
Graphic Design I		10	11	12	2.0	96
Graphic Design II			11	12	2.0	96
Engineering I		10	11		1.0	97
Engineering II		10	11		1.0	97
Engineering III			11	12	1.0	97
Architecture and Structural Engineering I		10	11	12	1.0	97
Architecture and Structural Engineering II		10	11	12	1.0	97
Health Science Technology I		10	11		2.0	98
Health Science Technology II (EMT, LNA, MA)			11	12	2.0	98
Teacher Education I		10	11		2.0	99
Teacher Education II			11	12	2.0	99
Television & Media Production I		10	11		2.0	100
Television and Media Production II			11	12	2.0	100

CAREER and TECHNICAL EDUCATION – Pinkerton Academy

COURSE NAME	GRADE				CREDITS	PAGE NO.
Introduction to Animal Science			11		0.5	101
Animal Management			11		1.0	101
Animal Health and Veterinary Technology				12	2.0	101
Electrical Technology I			11		2.0	101
Electrical Technology II				12	2.0	101
Environmental Science and Natural Resources I			11	12	2.0	102
Environmental Science and Natural Resources II			11	12	2.0	102
Welding I			11		2.0	102
Welding II				12	2.0	102

AIR FORCE JROTC – Salem High School

COURSE NAME	GRADE				CREDITS	PAGE NO.
JROTC Science of Flight / Communication and Leadership	9	10	11	12	1.0	103
Management of the Cadet Corps			11	12	1.0	103

Business Technology

The Windham High School Business Technology Program has been developed to both prepare students for advanced study of, and career preparation in, business related fields as well as to prepare all students to live and prosper as adults in our society. In the Business courses, students learn critical thinking skills, written and verbal communication skills, professional etiquette, and develop financial awareness. In the ICT courses, students will learn foundational concepts of computer applications and digital organization that will remain relevant through future advances in information and communication technology. Students enrolled in Business courses can also earn a WHS Business certificate. The nationwide organizations, DECA and/or FBLA, are also available to students to help them prepare for careers in marketing, finance, hospitality, management, and entrepreneurship.

Courses Offered

Course Title	Credit	Length	Grades			
Computer Applications^	0.5	Semester	9	10	11	12
Accounting I**	0.5	Semester		10	11	12
Accounting II**	0.5	Semester		10	11	12
Business Management & Entrepreneurship	0.5	Semester	9	10	11	12
Intro to App Dev./Web Page Design^	0.5	Semester	9	10	11	12
Marketing I	0.5	Semester		10	11	12
Marketing II	0.5	Semester		10	11	12
Jaguar Junction Small Business Management	0.5	Semester			11	12
Personal Finance**	0.5	Semester		10	11	12
Global Business	0.5	Semester			11	12
Sports & Entertainment Marketing	0.5	Semester			11	12
Unfied Business	0.5	Semester	9	10	11	12

^Fulfills ICT Requirement
****Elective or Math Credit**

Course Descriptions

Computer Applications^ **0.5 credit**
Grades 9-12
Computer Applications focuses on the use of technologies that are commonplace in academic and work environments. Students will learn through projects how to leverage computer software applications to improve written/verbal communication, develop research and analytical skills, improve productivity, and foster creativity. Applications and projects include applying formulas in MS Excel, conducting research, collaborating with others, and creating animation and games.
Prerequisite(s): none
^Fulfills ICT Requirement

Accounting I** **0.5 credit**
Grades 10-12
Accounting I introduces students to the field of accounting, its applications in business, and its relevance to society. This course is designed for students who are considering careers in business, management, banking, accounting, finance, or administration. Topics include double entry accounting procedures, recording, and posting daily transactions, preparing worksheets, basic financial statements, payroll records, and closing a ledger at the end of the fiscal period for a business owned by a sole proprietor. Students will apply their skills using accounting software.
Prerequisite(s): Algebra I
****Elective or Math Credit**

Accounting II ** **0.5 credit**
Grades 10-12
Accounting II focuses on the accounting cycle for Corporations. This course is of value to all students who plan to major in any facet of business in college. Students will apply their skills using accounting software on a regular basis.
Prerequisite(s): Successful completion of Accounting I
****Elective or Math Credit**

Business Management & Entrepreneurship **0.5 credit**
Grades 9-12
Business Management and Entrepreneurship introduces students to the basic functions of business while exploring current trends. Topics include entrepreneurship, ethics and social responsibility, forms of business ownership, the legal environment, exploration of the global marketplace, and the process of management including planning, organizing, leading, and controlling. This course employs a hands-on approach to learning about Entrepreneurship with the New Business project where students walk through the process of creating a new business by developing a comprehensive business plan. In addition, students will develop critical thinking, professional etiquette, and verbal/written communication skills necessary to compete for career positions in today's global workforce.
Prerequisite(s): none

Introduction to App Development/Web Page Design^ **0.5 credit**
Grades 9-12
Introduction to App Development/Web Design is a project-based course with an introduction to planning, designing, and creating websites using HTML 5 and CSS. The development of apps with a drag-and-drop interface gives students a foundation for basic website and app creations.
Prerequisite(s): none
^Fulfills ICT Requirement

Marketing I **0.5 credit**
Grades 10-12
Marketing I is an introduction to the language and issues of marketing with an emphasis on learning to develop responsive marketing strategies that meet customer needs. Students will learn marketing concepts, the role of marketing within an organization, market research and the role of marketing in society. Students will apply critical thinking and professional etiquette skills, as well as strengthen verbal and written communication skills necessary to compete for career positions in today's workforce. Additionally, students will analyze the global environment with relevance to cultural diversity and ethics.
Prerequisite(s): Successful Completion of Business Management and Entrepreneurship or Economics

Marketing II **0.5 credit**
Grades 10-12
Marketing II allows students to further develop and increase comprehensive goal setting, problem-solving, and communication skills related to marketing concepts and strategies, while strengthening cross-cultural marketing effectiveness and understanding. Students will determine market factors that influence product distribution and pricing; analyze the relationship between the product life cycle and promotional strategies; demonstrate how to apply effective selling techniques; and explain how to determine customer's needs. Students will demonstrate critical thinking and professional etiquette skills, showcasing verbal and written communication. Students will utilize a variety of technology resources to strengthen learning goals and demonstrate mastery of content using diverse 21st century assessments.
Prerequisite(s): Successful Completion of Marketing I

Jaguar Junction Small Business Management **0.5 credit**
Grades 11-12
Jaguar Junction Small Business Management allows students the opportunity to examine advanced functions involved with managing a business. Students will be responsible for managing and maintaining the daily operations of Jaguar Junction, the WHS School Store. Responsibilities will include daily deposits, cash register preparations, customer service and managing and maintaining store inventory. Students will investigate marketing functions including marketing research, identity target market(s), product design and developments, distribution, and pricing activities. Students will determine consumer behavior and buying patterns, while identifying a target market and creating promotional campaigns and advertising activities in response to the Windham High School community.
Prerequisite(s): Successful completion of Marketing I and either Business Management or Accounting I

Personal Finance** **0.5 credit**
Grades 10-12
Personal Finance introduces students to the relevance of mathematics to everyday living. Topics include managing bank accounts, credit cards, loans, mortgages, financing, taxes, insurance, and stock market investments.
Prerequisite(s): none
****Elective or Math Credit**

Global Business **0.5 credit**
Grades 11-12
Global Business will allow students to examine elements of the global marketplace. Students will evaluate fundamentals and principles of management related to global opportunities by examining the differences between domestic and international business. Students will learn about foreign trade, the international monetary system, foreign exchange rates, and foreign exchange markets. Students will gain understanding about the opportunities and the challenges involved with owning or operating an international business and/or multinational corporations. Students will also explore topics such as trade barriers, social environments of business, as well as political and cultural differences. Students will research current events within the international financial market and explore international career opportunities.
Prerequisite(s): Business Management; Marketing I or Economics

Sports & Entertainment Marketing **0.5 credit**
Grades 11-12
Sports & Entertainment Marketing is designed for students interested in sports, entertainment, and event marketing. Emphasis is placed on the following principles as they apply to the industry: branding, licensing, and naming rights, business foundations, concessions and on-site merchandising, economic foundations, promotion, safety and security, and human relations. Skills in communications, human relations, psychology, and mathematics are reinforced in this course.
Prerequisite(s): Successful completion of Marketing I

Unified Business **0. 5 credit**
Grades 9-12
Unified Business will give students a beginning understanding of the skills necessary to be successful in the workforce. These include preparation for work, being on time to work, timesheets, money, and paychecks. Students will also experience a work environment by participating in a variety of jobs within the school community. Through these experiences, students will learn the requirements for completing various jobs, which in turn helps them to explore areas of interest as well as areas of strength. This class will utilize the peer-to-peer teaching model to create inclusive communities as they learn to value differences and appreciate each individual's unique gifts and talents. This course will also give students opportunities to further develop communication skills.
Prerequisite(s): Teacher recommendation

English

The English Program at Windham High School prepares students to be independent learners and thinkers. Through the study of literature, students will become proficient in writing, speaking, critical reading, thinking, listening, and accessing and using media effectively. Students will study literature to examine and respond to classical and contemporary works from many cultures and literary periods, with emphasis on Western cultural tradition and American literary heritage. Throughout their four years of English, students will be encouraged to become responsible for their own learning, develop solid interpretative and evaluative skills, and make connections between their learning, their writing, and their lives. The English Program provides many opportunities to succeed in a wide variety of learning experiences, including writing analytically, writing creatively, delivering speeches, reading literature, viewing films, and experiencing guest speakers. The correct use of Standard English grammar is taught and expected in all English courses. The teaching of Grammar is integrated into student writing as the primary resource for instruction. English courses at Windham High School are designed to align with the common core standards for English language instruction.

Courses Offered

Course Title	Credit	Length	Grades			
Grammar & Composition	1.0	Year	9			
Writing	0.5	Semester	9			
Honors Writing	0.5	Semester	9			
World Literature & Composition	1.0	Year			11	
Honors World Literature & Composition	1.0	Year			11	
AP Language and Composition	1.0	Year			11	
Advanced Grammar & Composition	0.5	Semester			11	12
Honors British Literature	0.5	Semester				12
Honors Intro to College Writing (DE)	0.5	Semester				12
Honors Philosophical Literature	0.5	Semester				12
Journalism	0.5	Semester			11	12
Literature of Land and Sea	0.5	Semester				12
Media and Persuasion	0.5	Semester				12
Mythological Literature	0.5	Semester				12
Prose and Poetry	0.5	Semester				12
Public Speaking	0.5	Semester				12
AP Literature and Composition	1.0	Year				12

Course Descriptions

Grammar & Composition **1.0 credit**

Grade 9 only

This course is designed to meet the needs of students whose abilities require more direct emphasis on developing reading and writing skills. Materials selected for this course will be based on the strengths and needs of the students. Time will be spent instructing students on grammar, syntax, and vocabulary development as well as on the specific skills necessary to read closely and analyze both fiction and nonfiction. Students will practice perfecting paragraph development, effectively using textual evidence, and writing extended analytical essays.

Prerequisite(s): 8th grade teacher recommendation

This course fulfills the Windham High School writing requirement

Writing **0.5 credit**

Grade 9 only

This course will develop a student's writing abilities to promote their academic success throughout high school and beyond. Students will understand and practice the various types of writing: expository, academic, analytical, and reflective. Students will understand how to edit and improve their skills in revising and writing for specific audiences.

Prerequisite(s): Must take concurrently with Cultural Foundations

Writing is a required course for all freshmen

Honors Writing **0.5 credit**
Grade 9 only
This course will develop a student's writing abilities to promote his/her academic success throughout high school and beyond. Students will understand and practice the various types of writing: expository, academic, analytical, and reflective. Students will understand how to edit and improve their skills in revising and writing for specific audiences. Students will review formal English grammar rules and the standard conventions of composition. Students will read a variety of literary genres and write extensively about both fiction and nonfiction works.
Prerequisite(s): A- or higher in 8th grade English.
Must take concurrently with Cultural Foundations
Writing is a required course for all freshmen

World Literature & Composition **1.0 credit**
Grade 11 only
In this required junior English course, students will read and analyze literature that addresses the current social issues that impact the world at large. Formal writing instruction will be an integral part of this course. Topics such as the role of the underclass, the nature of prejudice, the effects of war, the future of the planet, good versus evil, and the nature of justice will be viewed through the literary lens. Students will read literary works from a variety of genres: poetry, fiction, nonfiction, and essays, and make connections between the text and the contemporary world. Students should expect to complete nightly reading assignments, short analytical/response papers, and at least one major research paper. Students will read selections from several authors as well as from other independent fiction and non-fiction selections. Students will be expected to contribute to class discussions. Students will continue to fine-tune their critical reading and writing skills as well as improve their vocabulary.
Prerequisite(s): Successful completion of American Studies

Honors World Literature & Composition **1.0 credit**
Grade 11 only
In this course, students will write extensively, and read and analyze literature, which addresses the current social issues that impact the world at large. Formal writing instruction will be an integral part of this course. Topics such as the role of the underclass, the nature of prejudice, the effects of war, the future of the planet, good versus evil, and the nature of justice will be viewed through the literary lens. Students will read works from a variety of genres including poetry, fiction, and non-fiction. Students will learn to make connections between the text and real-world events. Students should expect to complete lengthy nightly reading assignments, several short analytical/response papers, and lengthy literary analysis papers each quarter. Students will be expected to contribute to and lead class discussions. Students will read class-wide selections from several authors as well as from their own independent selections. Students will continue to fine-tune their critical reading and writing skills as well as improve their vocabulary.
Prerequisite(s): A- or higher in previous CP course, B- or better in previous Honors Course

Advanced Placement (AP) Language and Composition **1.0 credit**
Grade 11 only
AP English Language and Composition is a college-level course, which will engage students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Through their writing and reading, students will become aware of the interactions among a writer's purpose, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. All students are expected to take the College Board's AP Language and Composition exam at their own expense. Students enrolled in AP Language and Composition will fulfill the Modern
Prerequisite(s): A- or higher in previous CP course, B- or higher in previous AP or Honors
World Literature Juniors' English requirement

Advanced Grammar & Composition **0.5 credit**
Grades 11-12 only
In this course, students continue to work on and improve the fundamental skills of effective writing. Emphasis is on the writing process from pre-writing through drafting, revising, and editing. Students gain confidence through the basic principles of effective expository composition and the application of these principles in writing essays and documented papers. Students will also read and examine a wide variety of writers and writing styles.
Prerequisites(s): None

Honors British Literature **0.5 credit**
Grade 12 only
"...something wicked this way comes." British literature is full of monsters and humans who behave monstrously. In this one-semester class, students will study what these blood-dripping, shapeshifting, slime-born literary creations have to say about the nature of good and evil, what it means to be human, and what we fear when the lights go out. Course texts will include classics and monsters created by more contemporary writers.
Prerequisite(s): A- or higher in previous CP course, B- or better in previous Honors Course or teacher recommendation

Honors Introduction to College Writing Dual Enrollment (DE) **0.5 credit**
Grade 12 only
Students enrolled in this course will focus on a variety of writing skills and styles. Students will review formatting, grammar, and rhetorical devices, and continue to develop their vocabulary and improve their reading comprehension. Time will be spent practicing the general skills needed for SAT writing, college essay writing, and strategies necessary for successful test taking. Students can expect nightly reading and writing assignments. Students will be able to earn 1.0 credit of English at Southern New Hampshire University.
Prerequisite(s): A- or higher in previous CP course, B- or better in previous Honors Course, or teacher recommendation.

Honors Philosophical Literature **0.5 credit**
Grade 12 only
This course will introduce students to the most prominent people, movements, and methods of Western philosophy from ancient times to the present. This course will examine the fundamental problems that philosophers have dealt with, as well as the various approaches and arguments they have used. Students will become familiar with the terminology used in philosophical discourse, learn about the historical development of the discipline, and develop their own skills for philosophical argumentation.
Prerequisite(s): A- or higher in previous CP course, B- or better in previous Honors Course, or teacher recommendation.

Journalism **0.5 credit**
Grades 11-12 only
This course will develop students' writing abilities to promote their academic success throughout high school and beyond and will teach them to be informed consumers of media. Students will understand and practice the various types of journalistic writing including hard news, features, sports, and broadcast. Students will analyze professional news examples and improve their skills in writing for a specific audience, revising, fact-checking, and reading critically. They will produce print, online, and broadcast news reports along with developing leadership and collaboration skills by taking on different roles in news production. This is a writing-intensive course. Juniors interested in writing/ journalism may take this elective; however, they will also need to take a year of English as a senior.
Prerequisite(s): None

Literature of Land and Sea **0.5 credit**
Grade 12 only
Do we still need the wilderness? What is my role in the natural world? What responsibility do we have to the earth? This course, whose texts feature a variety of fiction and non-fiction responses to these questions, emphasizes observation and nature journaling. The woods and wetlands that surround the school are used as an extension of the classroom. The competing demands of development and preservation are explored by reading traditional and contemporary voices. The culminating research project is an investigation into an economic or environmental issue facing America's public lands. This course would be an excellent companion course for students taking Environmental Science.
Prerequisite(s): None

Media and Persuasion **0.5 credit**
Grade 12 only
This course is designed to equip students with the tools necessary to view different forms of the media critically and polish their analytical writing and thinking skills. After the introductory unit, students will explore a variety of topics including, but not limited to gender, race, sexuality, class, power, and control. Students will view films, and presentations, read novels and short stories, research articles, write essays to explore propaganda, persuasion, rhetoric, and mise-en-scene. Students will analyze how the topics listed above still impact the modern day. Additionally, the course allows students to focus on the theory, practice, and construction of modern propaganda and persuasion techniques. This class focuses primarily on modern-day issues from the 21st century. Parental permission is needed to view R-rated films.
Prerequisite(s): None

Mythological Literature **0.5 credit**
Grade 12 only
Classical Mythology is a survey of ancient Greek and Roman stories about heroes, gods, and the universe. Students will examine the various ways classical mythology influences art, literature, and culture of the modern world. Students will read from a wide variety of ancient authors and contemporary texts. Time will also be spent examining mythological theories. Students can expect nightly reading assignments and regular essays and projects.
Prerequisite(s): None

Prose and Poetry **0.5 credit**
Grade 12 only
Students will read, respond to, and write poetry and fiction. The course will allow students with an interest in poetry and fiction writing the opportunity to create and eventually publish their work. Students will extensively use the writing process to improve their writing and will develop a portfolio of original work. This course is writing intensive. Writing activities will include creative warm-ups, analytical/response papers, exercise pieces, and revisions of original works with class time for reading, writing, conferencing, and sharing works in progress with the whole class.
Prerequisite(s): None

Public Speaking **0.5 credit**
Grade 12 only
This one-semester, senior elective focuses on the all-important skill of communication. Public speaking techniques as well as the process of drafting, editing, delivering, and analyzing speeches will be covered throughout the course. Students will conquer fears of public speaking through a variety of forums and performances. The class will also focus on analyzing and evaluating the public speeches happening around us all the time. This course is designed to be fun, interactive, and timely, and will teach an invaluable skill. Students can expect to be writing and performing at least 5-6 speeches over the course of the semester.
Prerequisite(s): None

Advanced Placement (AP) Literature and Composition **1.0 credit**
Grade 12 only
The AP English Literature and Composition is a college-level course that is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider and evaluate a work's structure, style, and themes, as well as smaller-scale elements, such as figurative language, imagery, symbolism, and tone. All students are expected to take the College Board's AP Literature and Composition exam at their own expense.
Prerequisite(s): A- or higher in previous CP course, B- or higher in previous AP or Honors

Family and Consumer Sciences

The Family and Consumer Sciences Program provides students with opportunities to learn practical and essential life skills and prepares young people to assume future adult roles within the family structure. Our society depends on strong families that nurture children, serve as their first teachers, and instill values and standards for behavior. The goal of the program is to enhance each student's quality of life through knowledge of the art and science of living well. Family and Consumer Sciences encompass the specialty areas of food and nutrition, clothing, textiles, and human development.

Courses Offered

Course Title	Credit	Length	Grades			
Fashion Design and Textiles I	0.5	Semester	9	10	11	12
The Chef	0.5	Semester	9	10	11	12
Baking 101	0.5	Semester	9	10	11	12
World Cuisine	0.5	Semester	9	10	11	12
Interior Design	0.5	Semester		10	11	12
Parenting and Child Development	0.5	Semester		10	11	12
Unified Family and Consumer Science	0.5	Semester		10	11	12

Course Descriptions

Fashion Design and Textiles I **0.5 credit**
Grades 9-12
This beginning level course introduces students to the world of clothing design and construction. Areas of study include basic sewing equipment, the use and care of the sewing machine, hand sewing, clothing construction, care and maintenance. Emphasis is upon fashion fundamentals, fashion trends, design principles, color theory, and personal fashion analysis. Students are required to provide some materials and supplies.
Prerequisite(s): None

The Chef **0.5 credit**
Grades 9-12
Students in this course will be introduced to the fundamental skills of food preparation. Students will demonstrate basic cooking techniques as well as learn about food preparation, how to modify recipes, estimate time, and create meals for a healthy lifestyle. The formation of good work practices and safety habits are an essential feature of this course.
Prerequisite(s): None

Baking 101 **0.5 credit**
Grades 9-12
Students will develop skills in basic bread and pastry techniques to produce breads, muffins, biscuits, pies, cakes, pastries, and specialized desserts. The students will apply the knowledge and skills of how basic ingredients function, learn baking and pastry vocabulary, and develop skills needed to produce baking and pastry products. Special focus will be on attention to detail and artistic flair, which are the cornerstone skills used in creative baking.
Prerequisite(s): none

World Cuisine **0.5 credit**
Grades 9-12
Students will study international cuisine such as Asian, Italian, French and Indian. Recipes used are more complex and require a higher level of skill. Areas of study for each region will include cultural awareness with food presentation techniques emphasized.
Prerequisite(s): none

Interior Design **0.5 credit**
Grades 10-12
This course examines interior design, determined by needs, the environment, and technology. Students will learn to make appropriate selections of paint, fabrics, furnishings, lighting, and accessories, based on sound financial decisions and design principles. Drawing in perspective, creating floor plans, color schemes, and rendering interiors in color and textures are some of the skills students will develop. Students will have exposure to various career opportunities in interior design. Students are required to provide some materials and supplies.
Prerequisite(s): None

Parenting and Child Development **0.5 credit**
Grades 10-12
This course introduces the broad field of child development. Students will identify the characteristics of the developmental areas (physical, social/emotional, cognitive) and stages (prenatal, infancy, toddlerhood, preschool and school age). Students will obtain a broad understanding of the considerations needed to make an informed decision to become a responsible parent or educator. This content topic will provide opportunities for the students to apply communication, leadership, management, and cognitive skills needed to understand raising and educating a child. In addition, students will have the opportunity to examine the wide variety of career paths within child development, psychology, and the skills necessary for success within this field.
Prerequisite(s): None

Unified Family and Consumer Science **0.5 credit**
Grades 10-12
Unified Family and Consumer Science will give students a beginning understanding of skills necessary to be successful at home. This will be achieved through team-building activities, outings, guest speakers, and community service projects. This course will utilize the peer-to-peer teaching model to create an inclusive community of learners. As such, the course will also provide an opportunity for students to develop meaningful and reciprocal relationships.
Prerequisite: none

Humanities

At the heart of a rigorous academic education is the study of the humanities. The study of humanities enables students to understand what it is to be human. Humanities sweep across a multitude of disciplines including philosophy, modern and ancient language, literature, history, rhetoric, religious studies, and the fine arts. The study of humanities challenges students to draw connections and find purpose and meaning in the world. WHS's Humanities Program is designed to provide an interdisciplinary approach to learning. The humanities courses will offer challenging reading and writing assignments and will foster intellectual independence and strong critical thinking skills.

Interdisciplinary Humanities

There are two required core humanities courses at Windham High School: Cultural Foundations and American Studies. The purpose of these courses is to enable students to think deeply across academic disciplines and to build solid academic skills, particularly in the areas of writing and reading. Interdisciplinary instruction enables students to view learning as more than an accumulation of isolated facts and helps students develop the skills necessary to solve multifaceted problems. Each core course is team-taught by a social studies teacher and English teacher. Students will earn credit in both social studies and English.

Courses Offered

Course Title	Credit	Length	Grades			
Cultural Foundations	2.0	Year	9			
Honors Cultural Foundations	2.0	Year	9			
American Studies	2.0	Year		10		
Honors American Studies	2.0	Year		10		

Course Descriptions

Cultural Foundations **2.0 credits**

Grade 9 only

This team-taught, interdisciplinary course provides students with opportunities to understand the development of Western society and to appreciate the various influences on modern culture. Students will study topics such as: the Renaissance, Reformation, Enlightenment, the Industrial and French Revolutions, imperialism, the world wars, and other modern events leading up to the present day. In addition, students will also examine other forms of human expression such as art, music, and architecture in their historical and thematic contexts. Students will read selected texts and literature. Students will collaborate on projects, presentations, and other writing opportunities. Critical thinking, literary analysis, and research skills will be the focus of the instruction and will be embedded in a variety of writing assignments. Students will be required to complete a summer reading assignment. Students earn 1.0 credit in English and 1.0 credit in social studies.

Prerequisite(s): None

Honors Cultural Foundations **2.0 credits**

Grade 9 only

This team-taught, interdisciplinary course provides students with opportunities to understand the development of Western society and to appreciate the various influences on modern culture. Students will study topics such as: the Renaissance, Reformation, Enlightenment, the Industrial and French Revolutions, imperialism, the world wars, and other modern events leading up to the present day. In addition, students will also examine other forms of human expression such as art, music, and architecture in their historical and thematic contexts. Students will read selected texts and literature. Students will collaborate on projects, presentations, and other writing opportunities. Critical thinking, literary analysis, and research skills will be the focus of the instruction and will be embedded in a variety of assignments. Honors students will be expected to extend their learning and work independently to facilitate the exploration of new concepts. Students will complete summer reading assignments. Students earn 1.0 credit in English and 1.0 credit in social studies.

Prerequisite(s): A- or higher in 8th grade English and social studies

American Studies **2.0 credits**
Grade 10 only
This team-taught, interdisciplinary course examines the history, literature, government, and economics of the United States beginning with the colonial era and continuing through contemporary times. Students work with some primary documents, read, and interpret classic and contemporary American literature, and analyze essays and commentaries on American culture. Students will explore the art, music, economy, politics, and government that are a part of the American identity. Close attention will be placed on New Hampshire's role in the growth and development of the United States. Students will be required to work collaboratively on group presentations and projects, write both critical and expository essays, prepare formal speeches, and conduct research. Students will continue to improve their analytical writing skills and critical reading abilities. Students will be required to complete one reading assignment over the summer. Students earn 1.0 credit in English and 1.0 credit in social studies.
Prerequisite(s): Successful completion of Cultural Foundations

Honors American Studies **2.0 credits**
Grade 10 only
This team-taught, interdisciplinary course examines the history, literature, government, and economics of the United States beginning with pre-Colonialism through contemporary times. Students work with primary documents, read, and interpret classic and contemporary American literature, and analyze essays and commentaries on American culture. Students will explore the art, music, economy, politics, and government that are a part of the American identity. Close attention will be placed on New Hampshire's role in the growth and development of the United States. Students will be required to work collaboratively on group projects and presentations, write both critical and expository essays, prepare formal speeches, and conduct research throughout the year. Students will continue to improve their analytical writing skills and critical reading abilities. A number of formal papers on a variety of topics will be assigned throughout the year. This is a rigorous course and requires extensive work outside the classroom. Several assignments must be completed over the summer. Students earn 1.0 credit in English and 1.0 credit in social studies.
Prerequisite(s): A- or higher in Cultural Foundations, B- or higher in Honors Cultural Foundations

Human Performance and Wellness

The Human Performance and Wellness Program integrates the physical education and health curriculum and delineates the requirements for graduation. Through an interdisciplinary collaboration with other core disciplines a wealth of knowledge may be gained by students and used throughout their lifetime. The programs are developed to provide students with lifelong wellness knowledge and to promote the physical fitness skills needed to develop and maintain a healthy lifestyle beyond high school. In order to meet graduation requirements, all students are required to take Human Performance freshman year and are required to take an additional elective over the course of the next three years. The focus of the Wellness Program is to provide support for students and to assist them in making healthy choices in their lives, to develop positive self-concepts, and to promote personal physical, mental, and emotional health.

Human Performance

The goal of the Human Performance Program is to enable students to become active participants in physical activities and knowledgeable spectators. The program will enable students to identify enjoyable interests that keep them physically, mentally, socially, and emotionally fit. In addition, the program develops students' abilities to work cooperatively to achieve goals and develop leadership and sportsmanship skills. Units will include personal fitness, lifelong team and individual sports skill development, problem-solving activities, and outdoor activities such as snowshoeing, hiking, walking, and adventure-based learning experiences.

Courses Offered

Course Title	Credit	Length	Grades			
Human Performance	0.5	Semester	9			
Unified Human Performance	0.5	Semester	9	10	11	12
Recreational Games and Activities	0.5	Semester		10	11	12
Advanced Training and Sport Nutrition	0.5	Semester			11	12
Personal and Lifetime Fitness	0.5	Semester		10	11	12
Team Sports	0.5	Semester		10	11	12
Team Sports II	0.5	Semester			11	12
Sports Officiating	0.5	Semester		10	11	12
Fitness and Rhythm	0.5	Semester		10	11	12
Strength, Speed and Agility Development	0.5	Semester		10	11	12
Strength, Speed and Agility Development II	0.5	Semester		10	11	12

Course Descriptions

Human Performance **0.5 credit**

Grade 9 only

The Human Performance course will provide an opportunity for each student to gauge their fitness level and learn about the foundational concepts involved in a basic personal fitness program. Students' personal fitness programs will include the health-related fitness components (cardiovascular endurance, muscular endurance, muscular strength, flexibility, and body composition). They will engage in realistic goal setting and chart their progress regarding muscular fitness and cardiovascular health. The instructor will integrate basic nutrition, health and skill related fitness, primary muscular fitness concepts, flexibility, and target heart rate. Students will participate in a variety of games, recreational activities, traditional sports, and personal lifetime fitness interests. Human Performance is a required course for all ninth graders.

Prerequisite(s): None

Unified Human Performance **0. 5 credit**
Grades 9-12
In this high-quality inclusive Human performance classroom, students recognize their abilities to create inclusive communities as they learn to value difference and appreciate individual's unique gifts and talents. An inclusive peer to peer teaching model provides opportunities for students of all abilities to participate as leaders in some way, reinforcing and confirming the potential of every student to lead and contribute meaningfully. The benefits of UHP include, improve motor skills, improve fitness, learn cognitive concepts related to game play, develop communication skills, foster a sense of belonging and being valued by others, build confidence and self-esteem, develop friendships, and increase positive social interactions, and how to help another student achieve success, respect, and value individual becoming advocates in their school.
Prerequisite(s): Teacher recommendation

Recreational Game and Activities **0.5 credit**
Grades 10-12
This course is designed for students who desire indoor and outdoor activities that have a lifetime carryover value. Various activities may include, but are not limited to croquet, horseshoes, badminton, walking, frisbee, ping-pong, tennis, pillo-polo, and bocce ball. Some traditional activities may include rules variations for sports such as flag football, soccer, volleyball, floor hockey. Students will participate in outdoor fitness-based activities including sledding, snowshoeing, and hiking. Team building/adventure-based activities will contribute to the student's social-emotional well-being and knowledge of the benefits of maintaining a healthy and active lifestyle. Understanding the value of physical activity for social interaction and enjoyment are key components of the course.
Prerequisite(s): Successful completion of Human Performance and Wellness

Advanced Training and Sport Nutrition **0.5 credit**
Grades 11-12
The emphasis of this course is on optimizing athletic abilities through the most current strength and conditioning methods and sports nutrition practices. Students will maximize their physical potential through high intensity resistance training (complex free weights/Olympic lifts), progressive plyometrics, power, agility, speed, mobility, and core stabilization drills. Sports nutrition topics will include an in-depth look at how food impacts performance and recovery, including meal timing, hydration, and supplementation. Constructing, analyzing, and utilizing performance programs and individual nutrition plans will help the students obtain enhanced sports performance and maximize their fitness goals. An excellent course for athletes and students interested in a career in the fields of fitness, health, nutrition, or sports medicine.
Prerequisite(s): Successful completion of Human Performance and Strength, Speed and Agility Development

Personal and Lifetime Fitness **0.5 credit**
Grades 10-12
This course is designed for the student whose training style prefers individual activities in a less competitive, lower intensity environment. Lessons and workouts aim to improve daily health habits, cardiovascular health, functional strength, flexibility, and stress management skills. High expectations are placed on valuing individual differences among classmates and maintaining respectful etiquette in a workout studio environment. Activities include, but are not limited to...Yoga, Pilates, meditation, stretching, cardiovascular training, Functional Movement Screen, Martial Arts Fitness, Dance Fitness, hiking, walking, CrossFit, and circuit training.
Prerequisite(s): Successful completion of Human Performance and Wellness

Team Sports I **0.5 credit**
Grades 11-12
The Team Sports elective will provide an opportunity for each student to experience a range of interactions with classmates. Students will increase their health and fitness by participating in a variety of team sport games and competitions. Additionally, important life skills will be stressed as the concepts of teamwork and team building are put into play. Taking this course will provide students the opportunity to perform active roles in the areas of team management, coaching, and developing individual skills and game strategies.
Prerequisite(s): Successful completion of Human Performance and Wellness

Team Sports II **0.5 credit**
Grades 11-12
The team Sports 2 elective will provide an opportunity for each student to experience a range of competitive interactions with classmates. Additionally, important life skills will be stressed as the concepts of teamwork and competition are put into play. Students will take on leadership roles in small groups where they will be responsible for interpreting rules, concepts, skills, history, safety, sport specific strength & conditioning, and assessment of a particular sport. Students will have the ability to select a preferred team sport activity for their personal area of concentration.
Prerequisite(s): Successful completion of Human Performance, Wellness, and Strength & Conditioning or Team Sports.

Sports Officiating **0.5 credit**
Grades 10-12
In this course, students will learn the rules, gameplay, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and more. In addition, they will learn and put into practice the officiating calls and hand signals for each sport, as well as the role a sports official plays in maintaining fair play.
Prerequisite(s): none

Fitness and Rhythm **0.5 credit**
Grades 10-12
In this course, students will combine the basic movements of dance coupled with the principles of fitness. Students will explore several different styles of dance, including modern, ballet, social dance, hip-hop, jazz, musical theater, contemporary, and cultural dance. The art of choreography will also be explored through the development of creative dances as well as the understanding of correct terminology, body placement, muscle development, dance history, and flexibility. Students will be required to participate in fitness activities such as yoga, Pilates, weightlifting, cardiovascular exercises, and other activities deemed appropriate by the instructor. Summative assessments will be performance-based.
Prerequisite(s): none

Strength, Speed and Agility Development **0.5 credit**
Grades 10-12
This course is designed to help students increase athletic strength, top-end speed/agility, and awareness of the lifestyle of a high-performing student-athlete. The course implements simplified, research-based training programs, to help our student-athletes receive college-level training while playing multiple sports and maintaining a rigorous academic schedule. It is an excellent course for students who are potentially interested in playing sports at the collegiate level, as well as students who prefer a high-intensity, individualized training environment. Core activities include resistance training, speed/agility training, and recovery methods for athletes. Academic work includes the creation of a starter portfolio of evidence used to aid in the college recruiting process or other real-world goals of the student.
Prerequisite: Completion of Human Performance

Strength, Speed and Agility Development II **0.5 credit**
Grades 10-12
This course is designed for student-athletes who have completed Strength & Speed Development and are currently involved in the college recruiting process for athletics. The course involves a continuation of training methods based on individual needs that will improve the strength and speed of the student-athlete in preparation for competition at the next level. Academic requirements include leadership and "Captain" training, as well as an active focus on researching/contacting potential schools and marketing oneself optimally as a student-athlete. As long as all other graduation requirements are met, this course can be taken multiple times for credit, as the need for high-level training and requirements of potential recruits grows as student-athletes grow closer to the collegiate athletic experience.
Prerequisite: Completion of Human Performance and Strength & Speed Development

Wellness

In the world today, all students must be aware of what it means to "be healthy." Good health involves not just proper food and nutrition but also being aware of personal and lifestyle attitudes. This program provides support for students as they develop the knowledge to make healthy choices in their lives regarding positive self-concept and personal physical, mental, and emotional health.

Courses Offered

Course Title	Credit	Length	Grades			
Wellness	0.5	Semester	9			

Course Descriptions

Wellness **0.5 credit**

Grade 9 only

This course is a comprehensive wellness course that covers skills necessary to lead a healthy lifestyle. The focus will be on goal setting, decision making, personality, mental health, drugs/alcohol/nicotine abuse, conflict resolution, human growth and development, refusal skills and reducing stress and anxiety. Students will have the opportunity to do a self-evaluation of their own knowledge, attitudes, and behaviors as well as leadership opportunities within large and small group work, class discussions, and projects. Wellness is a graduation requirement that satisfies the State of New Hampshire health education requirement.

Prerequisite(s): None

Mathematics

The goal of the Windham High School mathematics curriculum is to deepen students' conceptual understanding in the field of mathematics and to foster abstract thought and analytical proficiency through the connection of mathematics to other disciplines. Students develop their problem-solving techniques and critical thinking skills in a cooperative learning environment with an emphasis on communication, constructive dialogue, and multiple ways of representation. Students will learn to explain their reasoning and gain confidence in mathematics through the exploration and proof of new mathematical ideas. Mathematics courses at Windham High School are designed to align with both state and national standards for mathematics instruction.

To ensure that all students are placed in classes that both support and challenge them, teachers will determine the appropriate course by completing recommendations for each student. Any questions should first be directed to the teacher and, if needed, students can contact the Director of Mathematics.

Courses Offered

Course Title	Credit	Length	Grade			
Fundamentals of Math I (FOM I)	1.0	Year	9	10		
Fundamentals of Math II (FOM II)	1.0	Year		10	11	
Algebra I – Extended	2.0	2 Years			11	12
Algebra I	1.0	Year	9	10	11	
Algebra I Skills Support excl. from Grad. Req.	0.5	Semester	9	10	11	
CP Algebra I	1.0	Year	9	10		
Geometry	1.0	Year		10	11	12
CP Geometry	1.0	Year	9	10		
Honors Geometry	1.0	Year	9	10		
Algebra II w/Adv. Functions A	1.0	Year			11	12
Algebra II w/Adv. Functions B	0.5	Year				12
CP Algebra II	1.0	Year		10	11	12
Honors Algebra II	1.0	Year	9	10	11	
CP Precalculus	1.0	Year			11	12
Honors Precalculus	1.0	Year		10	11	12
Calculus (DE)	1.0	Year			11	12
AP Calculus AB	1.0	Year			11	12
AP Calculus BC	1.0	Year			11	12
AP Statistics	1.0	Year			11	12
Statistics	0.5	Semester			11	12
Trigonometry	0.5	Semester			11	12
Math Modeling	0.5	Semester			11	12
Accounting I**	0.5	Semester		10	11	12
Accounting II**	0.5	Semester		10	11	12
Personal Finance**	0.5	Semester		10	11	12

****Elective or Math Credit**

Course Descriptions

Fundamentals of Mathematics I (FOM I) **1.0 credit**

Grades 9-10

FOM I is designed to address the needs of students whose math skills are below grade level and who need extra instruction to master rational number operations, percentages, and ratios prior to taking Algebra I. Basic Algebra and Geometry skills will also be introduced. Students will continue the development of their skills in the common core mathematical practices including problem solving and communication. Upon successfully completing this course, most students will take Algebra I.

Prerequisite(s): Teacher recommendation

Fundamentals of Mathematics II (FOM II) **1.0 credit**
Grades 10-11
FOM II is designed for students, who after taking FOM I, still need extra support prior to taking Algebra 1. This course will integrate concepts from numbers and operations, patterns, fractions, geometry, and statistics. The emphasis will be on conceptual understanding through concrete examples designed to engage visual, auditory, and hands-on learners. Students will also continue the development of their skills in the common core mathematical practices including problem solving and communication. Upon successfully completing this course, most students will take Algebra 1 – Extended.
Prerequisite(s): Teacher recommendation

Algebra I - Extended **2 credits**
Grades 11-12
Algebra I – Extended is designed to meet the Algebra I state requirements within a two-year period. Algebra concepts are presented with concrete examples and various manipulatives in order to meet the unique needs of each learner. The topics include simplifying numerical and algebraic expressions, solving algebra equations, graphing linear functions, and applying algebraic concepts in the real world. *Due to the individualized portion of this course, if a student needs more than 2 years to complete this program, extra time may be granted.
Prerequisite(s): Teacher Recommendation

Algebra I **1.0 credit**
Grades 9-11
Algebra I provides the students with a solid foundation in the frameworks of Algebra. The emphasis is on conceptual understanding through applications and projects. The topics for this course include manipulation of real numbers and algebraic expressions, rational numbers, solving and graphing linear equations, inequalities and systems of equations, factoring, radical expressions, exponents, and precents. Students will also continue the development of their skills in the common core mathematical practices including problem solving and communication.
Prerequisite(s): Teacher Recommendation

Algebra I Skills Support (Excluded from Math Graduation Requirement) **0.5 credit**
Grades 9-11
Algebra Skills Support is a semester class that gives students additional re-teaching of math concepts as well as reinforcement of numbers and operations skills expected of Algebra students. This class is designed to align with the units of Algebra I to reinforce foundational mathematics skills such as integers, rational number computations and operations needed for continued success in Algebra. This is a pass/fail course.
Prerequisite(s): Taken concurrently with the first semester of Algebra I and Teacher Recommendation.

CP Algebra I **1.0 credit**
Grades 9-10
CP Algebra I prepares students to continue studies in mathematics and aids the analytical thought process. The focus is on solving and applying algebraic equations in real-world applications. Students are expected to solve problems both with and without the use of a calculator, to clearly communicate their work processes and solutions both orally and in writing, and to develop the ability to analyze and solve open-ended response problems. The topics for this course include solving and graphing linear equations, inequalities, and systems of equations, precents, polynomials, radical expressions, exponents, statistics, and probability.
Prerequisite(s): Teacher recommendation

Geometry **1.0 credit**
Grades 10-12
Geometry introduces students to the topics covered in Geometry with an emphasis on conceptual understanding through concrete examples and projects. This course supports student understanding of the creative and practical applications of geometric principles while providing a constant review of algebraic methods. Computer geometry software will be used where appropriate. Topics include the organization of geometry, undefined terms, angles, congruent triangles, triangles and inequalities, perpendicular and parallel lines, quadrilaterals, similarity, right triangles, polygons, circles, coordinate geometry, and right triangle trigonometry.
Prerequisite(s): Successful completion of Algebra I and teacher recommendation

CP Geometry **1.0 credit**
Grades 9-10
CP Geometry focuses on the development of the student's ability to solve problems using a systematic and structured process. Students will apply the theorems, corollaries, definitions, and postulates to applications. Computer geometry software will be used where appropriate. Students continue the development of their skills in communicating their work processes, proofs, and solutions both orally and in writing. Topics include defined and undefined terms, angles, parallel and perpendicular lines, planes, congruent triangles, similar polygons, right triangle trigonometry, circles, area and volume, quadrilaterals, coordinate geometry, and transformations.
Prerequisite(s): Completion of CP Algebra I and teacher recommendation

Honors Geometry **1.0 credit**
Grades 9-10
Honors Geometry introduces students to geometric concepts, presents a deep theoretical and abstract approach to spatial reasoning, and teaches students to think analytically and creatively. This course will be a formal deductive development of geometry using definitions, postulates, theorems, and corollaries, based on the relationship of points, lines, and planes in a two and three-dimensional space. There will be extensive work in deriving and proving theorems and corollaries and their application. Topics include defined and undefined terms, inductive and deductive reasoning, angles, perpendicular and parallel lines, planes, congruent triangles, quadrilaterals, similar polygons, right triangles, circles, area and volume, constructions, coordinate geometry, and transformations.
Prerequisite(s): Successful completion of 8th grade Algebra I and teacher recommendation

Algebra II w/ Advanced Functions A **1.0 credit**
Grades 11-12
Algebra II Part A develops and extends concepts learned in Algebra with an emphasis on the conceptual understanding of quadratics and their applications to real world problems. This class also explores questions related to the SAT to better prepare students for the spring SAT test. Topics include a review of linear functions, systems of equations, compound inequalities, functions, and transformations, as well as graphs and solutions of quadratic functions.
Prerequisite(s): Completion of Geometry and teacher recommendation

Algebra II w/ Advanced Functions B **0.5 credit**
Grades 12
Algebra II Part B is a semester course that completes the study of the topics traditionally seen in CP Algebra 2. Topics include exponents, polynomials, rational expressions, radical equations, and applications of functions.
Prerequisite(s): Completion of Algebra 2 Part A and teacher recommendation

CP Algebra II **1.0 credit**
Grades 10-12
CP Algebra II focuses on advanced Algebra topics with emphasis on quadratics and their applications to real-world problems utilizing an analytical thought process. Topics include properties of functions and relations, polynomials, factoring, rational expressions, rational and irrational numbers, complex numbers, quadratic equations, and exponents. Students apply prior math knowledge to clearly communicate their work processes and solutions both orally and in writing.
Prerequisite(s): Completion of CP Algebra I and CP Geometry and teacher recommendation

Honors Algebra II **1.0 credit**
Grades 9-11
Honors Algebra II focuses on advanced algebra topics with an emphasis on quadratics and applications to real world problems. In this course, topics are developed through multiple perspectives so that students gain a deeper understanding of concepts. The pace of the course is demanding, and students should have a strong background in algebra and geometry. Topics include functions and relations, inequalities, polynomials, factoring, rational expressions, irrational numbers, complex numbers, quadratic equations, and logarithms. Graphing calculators are required.
Prerequisite(s): Completion of Honors Algebra I and Honors Geometry and teacher recommendation

CP Precalculus **1.0 credit**
Grades 11-12
Students choosing CP Precalculus should enjoy mathematical challenges and have a solid background in both Algebra II and Geometry. This course is needed in preparation for Calculus. Topics include trigonometric functions and equations, linear, quadratic, and polynomial functions, domain and range, inverse of functions, logarithmic and exponential functions, conic sections, and analytical geometry. Graphing calculators are required.
Prerequisite(s): Successful completion of CP Algebra II and teacher recommendation.

Honors Precalculus **1.0 credit**
Grades 10-12
Honors Precalculus is the study of advanced mathematical topics needed as preparation for AP Calculus. Topics include advanced trigonometric functions and equations, linear, quadratic, and polynomial functions, domain and range, inverse of functions, logarithmic and exponential functions, conic sections and analytical geometry, and limits of functions. Graphing calculators are required.
Prerequisite(s): Successful completion of Honors Algebra II and teacher recommendation

Calculus Dual Enrollment (DE) **1.0 credit**
Grades 11-12
Calculus is designed for students who enjoy advanced mathematics. The key prerequisite topics will be reviewed but most of the course will assume a reasonably sound working knowledge of algebra, geometry, trigonometry, and elementary functions. Topics to be covered include limits and continuity, the derivative, anti-differentiation, slope fields, the definite integral and its application, derivatives of logarithmic and exponential functions, trigonometric functions, and techniques of integration. Graphing calculator is required.
Prerequisite(s): Successful completion of Precalculus and teacher recommendation

Advanced Placement (AP) Calculus AB **1.0 credit**
Grades 11-12
AP Calculus AB develops the student's understanding of the concepts of calculus and provides experiences with its methods and applications. The course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed geometrically, numerically, analytically, and verbally. Topics include functions, graphs and limits, derivatives (concept, applications, computation) and integrals (Riemann sums, definite integrals, fundamental theory of calculus, anti-differentiation). Graphing calculators are used extensively throughout this course. All students enrolled in AP Calculus AB are required to take the Calculus AB Exam in May at their own expense.
Prerequisite: Successful completion of Honors Precalculus and teacher recommendation

Advanced Placement (AP) Calculus BC **1.0 credit**
Grades 11-12
AP Calculus BC develops mathematical knowledge conceptually by guiding students to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems. Calculus BC includes all topics covered in Calculus AB plus additional topics. Topics include functions, limits, differentiation, integration, vectors, and differential equations. Graphing calculators are used extensively throughout this course. All students enrolled in AP Calculus BC are required to take the Calculus BC Exam in May at their own expense.
Prerequisite(s): Successful completion of Honors Precalculus and teacher recommendation

Advanced Placement (AP) Statistics **1.0 credit**
Grades 11-12
The purpose of AP Statistics is to introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes including exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Graphing calculators are used extensively throughout this course. All students enrolled in AP Statistics are required to take the Statistics Exam in May at their own expense.
Prerequisite: Completion of Honors Algebra II and teacher recommendation

Statistics **0.5 credit**
Grades 11-12
Statistics is a semester course designed to introduce students to tools used for collecting data and analyzing and drawing conclusions from data. Students are exposed to statistical themes such as exploring data, sampling and experimentation, and statistical inference. Students will explore these topics through applications and projects. Graphing calculators are recommended.
Prerequisite(s): Completion of CP Algebra II and teacher recommendation

Trigonometry **0.5 credit**
Grades 11–12
Trigonometry is a semester course designed to explore both triangle trigonometry as well as circular trigonometry. Topics include the law of sines and cosines and their applications; the unit circle and trigonometric values of special angles; solutions of basic trigonometric equations, graphs of the trigonometric functions; and basic trigonometric identities. Graphing calculators are recommended.
Prerequisite(s): Completion of CP Algebra II and teacher recommendation

Math Modeling **0.5 credit**
Grades 11-12
Math Modeling is a semester course that allows students the opportunity to use skills from algebra, geometry and probability and statistics to solve realistic applied problems by modeling functions. Homework, recreation, consumer issues, public policy, and science investigations are just a few of the areas from which applications may originate. Each unit will culminate in a summative project. As this is primarily a project-based course, students must be self-motivated to complete assignments. They should also be curious to see the connections between mathematics and the real world.
Prerequisite(s): Completion of CP Algebra II and teacher recommendation

Accounting I** **0.5 credit**
Grades 10-12
Accounting I introduces students to the field of accounting, its applications in business, and its relevance to society. This course is designed for students who are considering careers in business, management, banking, accounting, finance, or administration. Topics include double entry accounting procedures, recording, and posting daily transactions, preparing worksheets, basic financial statements, payroll records, and closing a ledger at the end of the fiscal period for a business owned by a sole proprietor. Students will apply their skills using accounting software.
Prerequisite(s): Algebra I
****Elective or Math Credit**

Accounting II ** **0.5 credit**
Grades 10-12
Accounting II focuses on the accounting cycle for Corporations. This course is of value to all students who plan to major in any facet of business in college. Students will apply their skills using accounting software on a regular basis.
Prerequisite(s): Successful completion of Accounting I
****Elective or Math Credit**

Personal Finance** **0.5 credit**
Grades 10-12
Personal Finance introduces students to the relevance of mathematics to everyday living. Topics include managing bank accounts, credit cards, loans, mortgages, financing, taxes, insurance, and stock market investments.
Prerequisite(s): none
****Elective or Math Credit**

Music

The goal of the Windham High School Music Program is to enable students to develop self-expression and creativity through instrumental or choral performance, composing, listening, and developing improvisational techniques. Music has its own vocabulary and distinct symbol system to aid students as they learn to experience the world in a more perceptive fashion. The study of music fosters self-discipline, critical thinking, and self-assessment. It prepares students for careers as professional musicians or for a lifelong appreciation of music's value in our society.

Courses Offered

Course Title	Credit	Length	Grades			
Concert Band/H. Wind Ensemble*	1.0	Year	9	10	11	12
Honors Jazz Ensemble*	1.0	Year	9	10	11	12
Mixed Choir/Honors Mixed Choir*	1.0	Year	9	10	11	12
Orchestra*	1.0	Year	9	10	11	12
AP Music Theory*	1.0	Year		10	11	12
Intro to Music Theory and Composition*	0.5	Semester	9	10	11	12
Beginning Guitar*	0.5	Semester	9	10	11	12
Guitar Ensemble*	0.5	Semester	9	10	11	12
Beginning Piano I*	0.5	Semester	9	10	11	12
Piano II*	0.5	Semester	9	10	11	12
Sound Design*	0.5	Semester	9	10	11	12
Music Theory for Beginners*	0.5	Semester	9	10	11	12
Music in Pop Culture*	0.5	Semester	9	10	11	12
Intro to Theatre Arts*	0.5	Semester	9	10	11	12
Musical Theatre Workshop*	0.5	Semester	9	10	11	12

***Fulfills Arts Requirement**

Course Description

Concert Band/Honors Wind Ensemble* 1.0 credit

Grades 9-12

The WHS Concert Band is a performance ensemble that welcomes any and all students who have previously studied a concert band instrument or have not even played an instrument before. Through rehearsal preparation and concerts, the students will not only learn the fundamentals of technique and performance but will collaborate together developing strong relationships that extend beyond musical performance. Students will participate in all major required performances, school and community events, field trips, and festivals, as they are a significant part of the program. Students will also participate in the WHS Pep Band performing at all home football games. Students may elect Concert Band four times for credit.

As an ***extension*** of the WHS Concert Band, students can audition to take concert band for honors credit and will be enrolled in Honors Wind Ensemble. Honors Wind Ensemble is an audition-based instrumental ensemble that is embedded into the Concert Band curriculum. Students will rehearse twice a week before school, preparing additional performance repertoire. Honors Wind Ensemble is open to all students who are enrolled in the WHS Concert Band who want to rehearse more advanced repertoire alongside other advanced students. Enrollment will only allow for an equally balanced instrumentation. Students may elect Honors Wind Ensemble 4 times for credit.

Concert Band Prerequisite(s): Previous participation in a school band program, private lessons, or permission from instructor.

Honors Wind Ens. Prerequisite(s): Same as Concert Band, enrollment is by audition only or permission of instructor.

*Concert Band and Honors Wind Ensemble Fulfills Arts Requirement

Honors Jazz Ensemble* **1.0 credit**

Grades 9-12

From Duke Ellington, Sinatra, Tower of Power, The Beatles, and everything in between, the Windham High School Honors Jazz Ensemble is an audition-based honors ensemble that performs a variety of music from blues to swing, rock, and Latin, among others. Students will have the experience of being a professional jazz musician in a "Big Band" setting. Along with playing as a member of the band, students will have opportunities to perform as soloists with the band at performances. Students will be assessed regularly in performance, improvisation, and music theory skills. All members are encouraged to audition for the NHMEA Jazz All State Festival. Enrollment will only allow for an equally balanced instrumentation. Windham High School Jazz Ensemble may be elected four times for credit.

Prerequisite(s): Enrollment by audition. Students must also be enrolled in Concert Band or Honors Wind Ensemble, with the exception of pianists, guitarists, and bass guitarists.

***Fulfills Arts Requirement**

Mixed Choir/Honors Mixed Choir* **1.0 credit**

Grades 9-12

The WHS Mixed Choir is open to everyone who is interested in learning more about choral singing and their own voice. The Mixed Choir is dedicated to the study of music literacy, vocal technique/health, and choral ensemble rehearsal and performance skills. Students will have various opportunities to share their musical knowledge through required performances, school and community events, field trips, and music festivals, all of which are significant factors in determining their grade. Mixed Choir allows students to develop personal musicianship and vocal skills while learning diverse musical styles and actively contributing to the ensemble, as a whole.

The WHS Honors Choir is an extension of Mixed Choir that allows students to develop their musicianship and vocal skills at an even higher level. Honors Choir students are auditioned and must be more independent learners who are willing to push themselves to work at a more rigorous pace. In addition, Honors Choir students must rehearse/perform in an additional ensemble, independently learn extra music for performance, and act as leaders and mentors to other singers. Students may elect Mixed Choir/Honors Choir four times for credit.

Prerequisite(s): None

***Fulfills Arts Requirement**

Orchestra* **1.0 credit**

Grades 9-12

Orchestra is open to all students who have previously studied a string instrument. Students will continue to learn the fundamentals of technique and performance through rehearsing various styles of repertoire including, but not limited to, traditional string ensemble and chamber literature, contemporary standards, and popular music. Students will be assessed regularly in performance and sight-reading skills. All students may be asked to participate in school and community performances, field trips, and festivals. They are also encouraged to take private lessons as well as audition for the NHMEA Classical All State Festival. Students may elect String Orchestra four times for credit.

Prerequisite (s): Previous participation in String Ensemble, private lessons, or permission from instructor.

***Fulfills Arts Requirement**

AP Music Theory* **1.0 credit**
Grade 10-12
AP Music Theory is a year-long, high level elective designed for students who are interested in advancing their music theory, composition, and ear training skills. Students will study more complex concepts of music, learn four-part voice writing, analysis skills, and apply these skills in composition and arranging. The course focuses greatly on ear training and aural skills where students will develop their listening skills in a way that will enhance their understanding of music theory in a compositional context. Piano skills are not necessary but will be built upon throughout the class. Upon completion of the course, students will be prepared to take the AP Music Theory Exam as prepared by the College Board (exam fee required). In most colleges, this course satisfies the Fine Arts requirement for graduation.
Prerequisite(s): Successful completion of Intro to Music Theory and Comp, or previous/current study of a musical instrument/voice (privately or within one of WHS's performance ensembles), or permission of the instructor.
***Fulfills Arts Requirement**

Introduction to Music Theory and Composition* **0.5 credit**
Grades 9-12
Have you ever wondered how to write a song? Have you listened to music and wondered what was going on inside the brain of the composer? Music Theory I is a class aimed at students who have little or no music theory background. We will start with the very basics of reading music and will make it all the way to writing chord progressions, analyzing music in the classical/pop/rock genres, writing melodies and everything in between. Students will have opportunities to create and discover new types of music. Opportunities to learn basic piano skills will also be a part of this course. Students should take this course before taking AP Music Theory, especially if they have no instrumental/choral experience in high school.
Prerequisite(s): None
***Fulfills Arts Requirement**

Beginning Guitar* **0.5 credit**
Grades 9-12
In Beginning Guitar, students will learn the fundamentals of guitar playing, eventually enabling them to accompany a vocalist, play in a garage band, and jam alone or with friends. Students will learn open chords, moveable chords, power chords, and accompaniment techniques. The course also includes music fundamentals, theory, performance, listening, composing, improvising, and learning how to read standard notation and tablature. Music performed in class will range from pop, rock, classical, blues, and many other genres. Students should have less than one year of previous guitar experience. More advanced guitarists are strongly encouraged to sign up for Guitar Ensemble.
Prerequisite(s): Less than one-year experience.
***Fulfills Arts Requirement**

Guitar Ensemble* **0.5 credit**
Grades 9-12 (Grade 9 only with permission)
Students in Guitar Ensemble will continue to develop the skills learned in Intro to Guitar. Students will continue to practice open chords, moveable chords, power chords, & accompaniment techniques at a more advanced level. The course also continues to develop skills in music fundamentals, theory, performance, listening, composing, improvising, and learning how to read standard notation and tablature. Most importantly, students will collaborate with each other to learn guitar ensemble pieces for performance and are highly encouraged to audition for the NH All State Guitar Ensemble. Guitar Ensemble may be repeated with permission of the instructor.
Prerequisite(s): Successful completion of Beginning Guitar with a grade of B or higher, or Teacher Recommendation
***Fulfills Arts Requirement**

Beginning Piano I* **0.5 credit**

Grades 9-12

Beginning Piano is geared towards students with little or no experience in music or in playing the piano keyboard. Students will learn how to read standard notation in both treble and bass clef as well as focus on chords and chord construction. Students will also explore historical and contemporary icons in music and learn to perform well-known musical charts. Students will work heavily on independent piano skills but will also collaborate with other musicians. The course also includes music fundamentals, theory, performance, listening, composing, improvising, and learning how to read standard music notation.

Prerequisite(s): None

***Fulfills Arts Requirement**

Piano II* **0.5 credit**

Grades 9-12

Piano II is an extension of our Piano I course where students will continue to develop their piano skills at a higher level. If a student has previous experience in playing the piano, this course can also help them take their playing to the next level. Piano II students will continue to develop their piano technique and learn more advanced skills, including hand independence. In addition, students will explore composition concepts they can use to write their own piano music. The course will continue to develop music fundamentals, theory, performance, listening, composing, improvising, and learning how to read standard music notation.

*Fulfills Arts Requirement

Prerequisite(s): Previous experience in playing piano at beginner level (6 months- 1year) or successful completion of Beginning Piano with B- or better.

***Fulfills Arts Requirement**

Sound Design*

Grades 9-12

In Sound Design, students will be introduced to the multi-faceted world of digital audio and music production. Through this very hands-on course, they will learn microphone technique, digital audio workstations, and live music recording. Students will use sound design concepts and their own creativity to manipulate sound for specific uses, musical performances, and real-world situations. Students will also learn sound effects design for visual media - editing sound effects on animation and excerpts from feature films. Students will discover how these concepts can be used in the world of video game sound design as well. As with all areas of media production and post-production, the ability to collaborate with other members of a creative team will be stressed.

Prerequisite(s): None

Music Theory for Beginners* **0.5 credit**

Grades 9-12

Have you ever wondered how to write a song? Have you listened to music and wondered what was going on inside the brain of the composer? Music Theory for Beginners is a class aimed at students who have little or no music theory background. We will start with the very basics of reading music and will make it all the way to writing chord progressions, analyzing music in the classical/pop/rock genres, writing melodies and everything in between. Students will have opportunities to create and discover new types of music. Opportunities to learn basic piano skills will also be a part of this course.

Prerequisite(s): None

***Fulfills Arts Requirement**

Music in Pop Culture* **0.5 credit**

Grades 9-12

Do you like Hip-Hop, Jazz, Rock and Roll or maybe just a little of everything? This is a discussion-based and hands on course designed to help students examine the effect music has on society and pop culture. Explore how music is used to enhance our world beyond the performance stage. Students will explore the trends in music and its connection to pop culture in the past and present through a variety of sources including, but not limited to, the social network, television, documentaries, movies, and newsprint. Throughout the course, students will engage in many multimedia-based projects as well as share their own listening experiences and preferences.

Prerequisite(s): None

***Fulfills Arts Requirement**

Introduction to Theatre Arts* **0.5 credit**

Grades 9-12

Introduction to Theatre Arts is for the student who has little to no experience in theatre and who wants to develop an appreciation for theatre as an art form. Students will explore how theatre has influenced and connected to our culture and history. The course provides a background of types of theatre, vocabulary, and careers, including performance, directing, playwriting, and technical theatre. Students will also create original scenes, scripts, and songs influenced by the material studied in our classroom, while also exploring major theatrical works in more depth. Students will be encouraged to build basic performance skills that will have a positive effect on their lives such as public speaking, diction, projection, collaboration, and improvisation. Finally, students will learn how to respond to performances by critiquing, analyzing, and discussing theatre.

Prerequisite(s): None

Musical Theatre Workshop* **0.5 credit**

Grades 9-12

Musical Theatre Workshop is a performance-based course for students with previous experience in musical theatre acting and singing who want to dive deeper into this unique art form. Students will develop personal skills in acting and singing while also learning how to collaborate successfully with other performers. In this course, students will explore musical theatre acting/singing techniques, the history of this American art form, audition skills, character analysis, performance evaluation, and the various jobs in musical theatre, such as directing and technical careers. Students will be expected to demonstrate and refine their singing and acting skills daily, and the course will conclude with a graded performance showcase of musical theatre works.

Prerequisite(s): None

Science and Engineering Design Science

The goal of the Windham High School Science Program is to engage students in the processes and strategies of scientific inquiry and to encourage their understanding of the basic laws of the natural world. Students investigate hypothesis and research modern topics through field and laboratory projects designed to stimulate wonder and curiosity in the biological, chemical, physical, and environmental sciences. Students learn to think creatively and rationally, apply scientific knowledge, employ safe practices, and communicate their findings with support of academic research and mathematics. Science courses are designed to align with both state and national standards for science inst.

Courses Offered

Course Title	Credit	Length	Grades			
Life Science	1.0	Year	9	10		
Biology	1.0	Year	9	10		
Honors Biology	1.0	Year	9	10		
Chemistry	1.0	Year			11	12
Honors Chemistry	1.0	Year			11	12
Physics	1.0	Year			11	12
Honors Physics	1.0	Year			11	12
Human Anatomy & Physiology **(DE)**	1.0	Year			11	12
Honors Computer Science Principles^	1.0	Year	9	10	11	12
AP Computer Science Principles^	1.0	Year	9	10	11	12
AP Computer Science A^	1.0	Year			11	12
AP Biology	1.0	Year			11	12
AP Chemistry	1.0	Year			11	12
AP Environmental Science	1.0	Year			11	12
AP Physics I	1.0	Year			11	12
AP Physics C: Calculus Based	1.0	Year				12
Honors Engineering Capstone Design	1.0	Year				12
Conceptual Physics and Chemistry	1.0	Year			11	12
Physical Earth-Space Science	1.0	Year			11	12
Astronomy	0.5	Semester			11	12
Forensics	0.5	Semester			11	12
Issues in Environmental Science	0.5	Semester			11	12
MythBusters	0.5	Semester			11	12
Genetics	0.5	Semester			11	12
Infectious Diseases	0.5	Semester			11	12
IT Essentials	1.0	Year		10	11	12
STEAM Project Based Learning	0.5	Semester		10	11	
STEM Seminar	1.0	Year				12
Senior STEAM Capstone	1.0	Year				12

^Fulfills ICT Requirement

Course Descriptions

Life Science **1.0 credit**

Grade 9 and 10

Life Science is a lab science course focusing on the nature of life, its structures and functions, and the interrelationships between living systems and their environment. Topics include the scientific method, cells and their processes, human biology, genetics, anatomy and physiology, matter and energy transfer, ecology, biodiversity, and evolution. The course emphasizes inquiry and research through labs, project-based learning, case studies, discussion, technological resources, and projects.

Prerequisite(s): Enrollment determined by team recommendations

Biology **1.0 credit**
Grade 9 and 10
Biology is a lab science course focusing on the nature of life, its structures and functions, and the interrelationships between living systems and their environment. Topics include the scientific method, anatomy and physiology of cells, biological processes, species classification, human biology, genetics, anatomy and physiology, biochemistry, matter and energy transfer, botany, ecology, biodiversity, and evolution. The course emphasizes inquiry and research through labs, lectures, discussion, technological resources, and projects.
Prerequisite(s): Enrollment determined by team recommendations

Honors Biology **1.0 credit**
Grade 9 and 10
Honors Biology is a lab science course in which the highly motivated, independent learner acquires a deep understanding of the biological principles presented in Biology. Topics include the scientific method, anatomy and physiology of cells, biological processes, species classification, human biology, genetics, anatomy and physiology, biochemistry, matter and energy transfer, botany, ecology, biodiversity, and evolution. Students use critical thinking skills, prior math and science experience, and oral and written communication to conduct in-depth scientific study. Students engage in laboratory experiments and/or fieldwork, conduct a scientific literature review, and prepare a research report and presentation on a topic relevant to course material.
Prerequisite(s): A- or above in 8th grade Science or teacher recommendation.

Chemistry **1.0 credit**
Grades 11-12
Chemistry is a lab science course focusing on chemical processes, safe laboratory practices, data analysis, and the evaluation of lab results. Topics include measurement, periodic classification, states of matter, atomic and nuclear structure, formulas and equations, stoichiometry, equilibrium, bonding, energy, kinetics, ionization, molecular geometries, the electromagnetic spectrum, oxidation and reduction, metals and nonmetals, reactions, solutions, acids and bases, and lab safety and skills. Students will investigate chemical processes from both theoretical and concrete points of view and will be expected to participate in-group discussions and experiments, practice safety in the lab, and communicate their scientific reasoning.
Prerequisite(s): Successful completion of Biology and C or above in CP Algebra I

Honors Chemistry **1.0 credit**
Grades 11-12
Honors Chemistry is a lab science course in which the highly motivated, independent learner acquires a deeper understanding of the principles presented in Chemistry. This course is intended for students who have excellent science abilities, strong study habits, and a desire to learn rigorous course content at an accelerated pace. Honors Chemistry is recommended for students who plan to take one or more AP science courses. Students use critical thinking skills, prior math and science experience, and extensive oral and written communication to conduct an honors level scientific study including a scientific literature review, laboratory experiments and/or fieldwork, a research report, and a presentation on a topic relevant to course material.
Prerequisite(s): Successful completion of Biology, B or above in CP Algebra I and prior of concurrent enrollment in CP Algebra II.

Physics **1.0 credit**
Grades 11-12
This course is designed to investigate physics with a greater emphasis on conceptual development rather than numerical problem solving. Students will be expected to use algebra for mathematical analysis; however, there will not be a heavy reliance on formula usage. The course includes a substantial amount of laboratory work and other hands-on activities and projects that reinforce important concepts. Topics in the first semester focus primarily on mechanics, which includes the study of kinematics (one- and two-dimensional motion), dynamics (the study of forces), and concepts in gravitational interactions, work, energy, impulse, and momentum. In the second semester, students will investigate topics in waves (propagation, reflection, and refraction phenomena) as applied to sound and light, optics, as well as electrostatics, electricity, DC circuits, and magnetism. Students will also be required to complete outside projects that require applications of concepts from the course.
Prerequisites(s): Successful completion of Biology and C or above in CP Algebra I.

Honors Physics **1.0 credit**
Grades 11-12
This course is an in-depth and fast-paced study of physics. The successful student will be self-motivated and mathematically fluent in algebra, geometry, and trigonometry. Introductory applications of calculus will be introduced when appropriate. Readings will be at the college-text level and will include outside reading from primary sources. Topics in the first semester focus primarily on classical mechanics – the study of kinematics (one- and two-dimensional motion), dynamics (the study of forces), and concepts in gravitational interactions, work, energy, impulse, momentum, and rotational mechanics. In the second semester, students will investigate topics in waves (propagation, reflection, and refraction phenomena) as applied to sound and light, optics, as well as electrostatics, electricity, DC circuits, and magnetism. The course will include a substantial laboratory component, which will require data collection, analysis, and presentation, relying heavily on the use of technology. Students will also be required to complete outside projects that require applications of concepts from the course.
Prerequisites(s): Successful completion of Biology, B or above in CP Geometry and prior or concurrent enrollment in CP Algebra II.

Human Anatomy and Physiology Dual Enrollment (DE) **1.0 credit**
Grades 11-12
Human Anatomy and Physiology is a course designed for motivated students interested in careers in the health sciences or in learning more about how the human body works. Students will gain an understanding of the different organ systems in the human body and the ways in which they work together to maintain proper functioning. There will also be opportunities to explore topics of further interest through long-term research projects. The subject will be explored through various methods including group discussions, hands-on lab activities, research-based case studies, and in-depth dissections and lab practical.
Prerequisite(s): B or above in Biology and prior or concurrent enrollment in Chemistry.

Honors Computer Science Principles^ **1.0 credit**
Grades 9-12
The Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.
Prerequisite: Successful completion of Biology and Successful completion of Algebra I
^Fulfills ICT requirement

AP Computer Science Principles^ **1.0 credit**
Grades 9-12
The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.
Prerequisite: Successful completion of Biology and Successful completion of Algebra I
^Fulfills ICT requirement

AP Computer Science A^ **1.0 credit**
Grades 11-12
This course introduces students to computer science with fundamental topics that include problem solving, design strategies, organization of data (data structures), approaches to processing data (algorithms) and analysis of potential solutions. This course emphasizes both object-oriented and imperative problem solving and design. All students are expected to take the corresponding AP exam at their own expense.
Prerequisite: Successful completion of Biology, B or above in Comp Sci Principles and B or above in CP Algebra II

AP Biology **1.0 credit**
Grades 11-12
AP Biology is designed to be the equivalent of a college introductory biology course. The three general content areas covered will include Molecules and Cells, Hereditary and Evolution, and Organisms and Populations. Laboratory skills and an appreciation of science as a dynamic process will be gained through designing, implementing, and interpreting complex labs. Analytical skills and thought processes will be developed to assess the rapidly changing science of biology, especially as it relates to environmental and social concerns. All students are expected to take the corresponding AP exam at their own expense.
Prerequisite(s): B or above in Honors Biology and B or above in Honors Chemistry.

AP Chemistry **1.0 credit**
Grades 11-12
Advanced Placement Chemistry is designed to prepare students for the AP Chemistry Exam given annually in the spring. The course is the equivalent of a full year of college level General Chemistry that a student may encounter at a university or college. This is a high paced, rigorous course that requires strong math skills and problem-solving abilities. The course is a combination of theoretical and descriptive chemistry with a strong laboratory component. Investigative and problem-solving skills are assessed through textbook problems and laboratory activities. AP Chemistry is a college class with college level expectations. Students are expected to work at a fast pace, perform outside reading and in some cases master topics in the absence of classroom instruction. Students will demonstrate the ability to think clearly and to express their ideas, orally and in writing, with clarity and logic. All students are expected to take the corresponding AP exam at their own expense.
Prerequisite(s): C or above in Honors Chemistry and prior or concurrent enrollment in Honors Algebra II.

AP Environmental Science **1.0 credit**
Grades 11-12
The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The course is aligned with the curriculum set forth by the College Board and will prepare students to take the AP Environmental Science test in May.
Prerequisites: C or above in Honors Biology and prior or concurrent enrollment in Honors Chemistry.

AP Physics I **1.0 credit**
Grades 11-12
This course is designed to be the equivalent of a first semester college-level physics course in Newtonian Mechanics inclusive of kinematics (one- and two-dimensional motion), dynamics (the study of forces), gravitational interactions, work, energy, impulse and momentum, and rotational mechanics. Problem solving is a primary focus of the course and the successful student will develop tools and methods for independent data collection, analysis, and presentation. All students are expected to take the corresponding AP exam at their own expense.
Prerequisite(s): Successful completion of Biology, B or above in Honors Geometry and prior or concurrent enrollment in Honors Algebra II.

AP Physics C: Calculus-Based Physics **1.0 credit**
Grade 12
The AP Physics C course is a second-year, calculus-based, college-level physics course; it is equivalent to a full year of calculus-based, college-level physics. AP Physics C is especially appropriate for students planning to specialize or major in the physical sciences or engineering. The first semester of the course explores topics such as kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. The second semester of the course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus are used throughout the course. All students are expected to take the corresponding AP exams at their own expense.
Prerequisite(s): B or above in AP Physics I and prior or concurrent enrollment in Calculus.

Honors Engineering Capstone Design **1.0 credit**
Grades 12 only
In this innovative course, student teams will generate ideas and business plans for creative new products, apps, or scientific research and compete for access to venture capital in a *Shark Tank* like event before moving into development and prototyping. In the spring, teams will deliver and showcase their project outcomes to the community with demonstrations and visits to other WSD schools, invited guests from industry, and VIPs.
Topics of study include the engineering process, organizational leadership, communication, intellectual property, patents, entrepreneurship, technical writing, the business plan, as well as foundation knowledge and skills in physics, engineering, and computer science. The successful student will be motivated by applied science and team engineering with outside mentors from industry and the technical challenges associated with bringing an idea to fruition.
Prerequisite(s): Prior or concurrent enrollment in Physics, and Computer Science.

Conceptual Physics and Chemistry **1.0 credit**
Grades 11-12
This 1-year, lab-based course will be broken down by semester. The first semester covers applied Physics concepts, while the second semester covers applied Chemistry concepts. **Semester 1 -** Applied Physics**:** Applied Physics offers the subject matter of a traditional physics course with a qualitative approach to problem-solving. The format includes lectures/discussions, problem-solving, and experimentation. Students will complete hands-on projects which demonstrate topic mastery. General areas of study may include motion, forces, energy, momentum, astronomy, heat, light, sound, electricity, and magnetism. **Semester 2** – Applied Chemistry: Applied Chemistry is designed to introduce students to chemical behavior in everyday life. Students will better understand common substances, their behavior, and how they relate to the environment. Course study includes measurement, matter and its properties, basic atomic structure, chemical reactions in industry, environment, and everyday processes.
Prerequisite(s): Successful completion of Biology.

Physical Earth-Space Science **1.0 Credit**
Grades 11-12
This 1-year, lab-based course will be broken down into two semesters, each one being one semester long. The first semester covers concepts in earth science, while the second semester covers space science. The earth science semester of the class focuses on earth's systems and how these systems interact with one another. The class will work to answer the question, "Why is the earth constantly changing?" The four major topics covered in this class are: Earth's materials and systems, plate tectonics, the role of water on Earth's surface, and weather and climate. The space science semester of the class will focus on answering the question, "What is the universe and what is earth's place in it?" The content is broken down into three main topics: The universe and its stars, Earth and the solar system, and the history of the planet Earth. Engineering and technology play a large role in investigating these concepts because students will obtain and analyze data to support the universe's formation.
Prerequisite(s): Successful completion of Biology.
This course is lab-based and meets the physical science requirement for graduation.

Astronomy **0.5 credit**
Grades 11-12
This semester long course will study the stars and galaxies. How did the Sun form? How did the Universe begin? This course will introduce students to the life cycle of starts galaxies and the greater Universe. Topics will include spectroscopy, HR diagrams, the life cycles of stars and the Big Bang.
Prerequisite(s): Successful completion of Biology.

Forensics **0.5 credit**
Grades 11-12
Forensic Science is an elective science course designed for students interested in the science used to solve crimes. The many different types of evidence found at crime scenes will be studied and students will learn methods to collect them safely. Modern technology will be examined to discover how it has made forensic work easier and more reliable over the years. Through hands-on experiments and crime-scene analysis, students will look to use what has been learned to solve "real" crimes. This course will cover many different aspects of science including biology, chemistry, physics, and biotechnology.
Prerequisite(s): Successful completion of Biology.

Issues in Environmental Science **0.5 credit**
Grades 11-12
The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. Also, students will learn to identify and analyze environmental problems and the role humans can play in modifying those problems. Students will evaluate the relative risks associated with these problems and examine alternative solutions for resolving or preventing problems. Laboratories support student content mastery of environmental principles and concepts.
Prerequisite(s): Successful completion of Biology.

MythBusters **0.5 credit**
Grades 11-12
What is real and what is just a hoax? Eight myths are evaluated for validity throughout the course while the underlying Physics is explored. For each myth, students conduct experiments and analyze data to determine the plausibility of the myth. Results are conveyed through short video vignettes (Adam and Jamie style!) that share data and results with the class. Students are expected to work in varied teams to produce video results.
Prerequisite(s): Successful completion of Biology.

Genetics **0.5credit**
Grade 11-12
Genetics is a course designed for students interested in biotechnology or medical science careers. Students will study all aspects of genetics; how traits are inherited, the structure of DNA and its function, how scientists use genetic engineering, epigenetics, the genetics of cancer, and the role of mutations in genetics. Interested students should have a strong interest in the subject area and will be expected to participate in group discussions, hands-on lab activities, reading analyses, and lecture/notetaking.
Prerequisite(s): Successful completion of Biology.

Infectious Diseases **0.5 credit**
Grades 11-12
Infectious Diseases provides students with a comprehensive overview of the study of infections, viruses, bacteria, and vaccines. Students will start with a hands-on approach to learning about how infections spread and how scientists know where infections started and where they are. Students will then work in groups to do an in-depth analysis and research aspects of some of the most notorious bacteria and viruses that have affected humans in the past and today. Finally, students will learn about vaccines, their history, and modern developments. Be sure to wash your hands!
Prerequisite(s): Successful completion of Biology.

IT Essentials:
Grades 10-12 **1.0 credit**
This course covers fundamental computer and career skills for entry-level IT jobs. Students apply skills and procedures to install, configure, and troubleshoot computers, mobile devices, and software. Students will learn the fundamentals of connecting computers to networks and will work with Cisco Networking Academy's advanced simulation tools with hands-on labs to hone troubleshooting skills and immediately practice what is learned!
Prerequisite: Completion of Algebra I with a C or better or teacher recommendation.

STEAM Project Based Learning **0.5 credit**
Grades 10-11
This semester long course will guide students as they explore a STEAM project of their choosing along with time for career exploration. Practicing the experimental or engineering design process, students will work in teams to develop, implement, and present a project.
Prerequisite(s): Prior or concurrent enrollment in Biology.
This class is required for the Senior STEAM Capstone class

STEM Seminar **1.0 credit**
Grade 12
This course bridges the gaps between technical coursework in high school, university majors, and careers. Topics include an exploration of engineering, science, and math disciplines, a systematic approach to identifying college selection targets, application and decision strategies, and the school to college transition. Students will engage with a variety of guests ranging from industry professionals, WHS alumni, and college admissions and financial aid specialists.
Prerequisite(s): Successful completion of Biology.

Senior STEAM Capstone **1.0 credit**
Grade 12
Meets requirements for STEAM Certificate. CP level course. Student teams will learn a variety of science/engineering skills that will be used to generate ideas and business plans for creative new products, apps, or scientific research before moving into development and prototyping. In the spring, teams will deliver and showcase their project outcomes to the community with demonstrations and visits to other WSD schools, invited guests from industry, and VIPs. Topics of study include the engineering process, organizational leadership, communication, intellectual property, patents, entrepreneurship, technical writing, the business plan, as well as foundation knowledge and skills in science, engineering, and computer science. The successful student will be motivated by applied science and team engineering with outside mentors from industry and the technical challenges associated with bringing an idea to fruition.
Prerequisite(s): Seniors only and C or above in STEAM-PBL

WHS STEAM Academy Certificate

Current NH Scholars STEM Emphasis Requirements:

4 years of English
4 years of Math (Algebra 1, Geometry, Algebra 2, +1)
4 years of Science (3 years of Labs in Bio, Chemistry Physics, A&P, Engineering, Computer Science, Health Science)
3.5 years of Social Studies
2 years of a foreign language
1 year (or more) chosen Technology, Engineering, Computer Science, Math, and some CTE

Minimum GPA: 3.2

In addition, the WHS STEAM Academy Certificate will require all NH STEM Scholar requirements plus:

1.5	Art, Music (WHS graduation requirements)
1.0	Computer Science
0.5	Statistics
0.5	Engineering A
1.5	STEAM PBL and STEAM Capstone

STEAM Academy Totals

Science	4.0 credits
STEAM	1.5 credits
Tech (CS & Engineering)	1.5 credits
Art	1.5 credits
Math and Statistics	4.5 credits
English	4.0 credits
Social Studies	3.5 credits
Foreign Language	2.0 credits
	22.5 credits (Traditional diploma is 24 credits. Students will need another 1.5 credits in any subject)

Minimum GPA: 3.2

Suggested Pathways

NH STEM Scholar Requirements Windham STEAM Requirements

	9	10	11	12
Science **4 credits**	Biology (CP or H)	Chemistry, Physics Physical Science, STEAM PBL or any elective like Engineering or Comp Science.	Chemistry, Physics Physical Science, STEAM PBL or any elective like Engineering or Comp Science.	Chemistry, Physics Physical Science, STEAM PBL or any elective like Engineering, Comp Science or Engineering Capstone.
STEM Group **1.5 credits**	Biology (CP or H)	Engineering A		
PBL/Capstone **1 credit**	Biology (CP or H)	STEAM PBL	STEAM PBL	STEAM Capstone or Honors Engineering Capstone
Math **4.5-5.5 credits**	CP Algebra 1, CP/H Geometry	CP/H Geometry or CP/H Algebra 2	CP/H Algebra II or Pre-Calculus	Calculus (CP, AP, or Running Start) and Statistics (AP or ½ cr)
English **4 credits**	Cultural Foundations (Eng. 1cr; SS1cr)	American Studies (English 1 cr; SS 1 cr)	Modern World Literature	English Elective (1 cr)
Social Studies **3.5 credits**	Cultural Foundations (English 1 cr; SS 1 cr)	American Studies (English 1 cr; SS 1 cr)	Gov't (½ cr) and Economics (½ cr)	Social Studies (½ cr)
Language **2 credits**	Spanish/French/Latin	Spanish/French/ Latin		
WHS Req. **3 credits**	Wellness (½ cr), Writing (½ cr)	HP (½ cr) Art/Music (½ cr)	HP (1 cr)	
ELO/Community Service		10 hour of community service in STEM	or 10-hour visitation at STEM field job	

Engineering Design

The goal of the WHS engineering program is to introduce students to the field of engineering and to the vast opportunities available to them. The engineering field is growing rapidly and represents diverse areas of study and applications. In order to help prepare students for these emerging opportunities, the WHS Engineering program offers courses which are appropriate for a variety of skill and experience levels, from novice to advanced. Engineering cultivates creativity and an entrepreneurial spirit as well as the ability to problem solve, design, innovate, build, and code. Students will be expected to work in collaborative teams to achieve these goals and to design technological solutions to real-world problems.

Courses Offered

Course Title	Credit	Length		Grades		
Engineering A – The Basics^	0.5	Semester		10	11	12
Engineering B – Digital Design^	0.5	Semester		10	11	12

^Fulfills ICT Requirement

Course Descriptions

Engineering A – The Basics^ **0.5 credit**
Grades 10-12

Hands on, project-based course, designed to familiarize students with the basic skills associated with the Engineering field. This course will also include an introduction to the digital creation process via Tinkercad.com. The emphasis will be on: Collaboration/Communication Skills; Technical Drawing; Design and Brainstorming Process; Build Process; Time and Materials Constraints; Multiple Projects and Challenges; Introduction to 3D CAD (Computer-Aided Design) Modeling.

Prerequisite(s): None, but due to the shop portion of this course, it will **not** run if we are in remote or hybrid schedule.

^Fulfills ICT requirement

Engineering B – Digital Design^ **0.5 credit**
Grades 10-12

This course focuses on utilizing a digital environment to create Three-Dimensional structures in order to complete real world challenges. This project-based course is designed to familiarize students with the basic CAD skills associated with the Engineering field. This course will also include an introduction into Software Engineering via robotic programming. The emphasis will be on: Collaboration/Communication Skills; 3D CAD (Computer-Aided Design) Modeling; Digital Design and Brainstorming Process; Digital Assembly Process 3D Printing using MakerBot 3D Printers; Time and Materials Constraints; Multiple Projects and Challenges; and Introduction to Software Engineering-Robotics.

Prerequisite(s): None

^Fulfills ICT requirement

Social Studies

Social studies is the integrated study of the social sciences and humanities. Social studies courses provide coordinated, systematic study of such disciplines as anthropology, archaeology, economics, geography, history, law, philosophy, political science, psychology, religion, and sociology as well as content from mathematics, and the natural sciences. Windham High School's social studies curriculum helps students acquire knowledge, judgment, and skills to participate intelligently and responsibly in their role as citizens of a democracy. The essential skills of reading and writing expository materials, using media and technology, reading maps, interpreting documents and data, preparing research papers, and participating in discussions are taught and reinforced in all courses, grades 9-12. Social studies courses at Windham High School are designed to align with both state and national standards for social studies instruction.

Courses Offered

Course Title	Credit	Length	Grades			
Contemporary World History	0.5	Semester			11	12
Economics	0.5	Semester			11	12
Global Economics	0.5	Semester			11	12
Global Perspectives	0.5	Semester	9	10	11	12
Government: Introduction to Political Science	0.5	Semester			11	12
Government: Practical Law I	0.5	Semester			11	12
Practical Law II	0.5	Semester			11	12
Legacy of Greco-Roman Culture	0.5	Semester	9	10	11	12
Psychology	0.5	Semester		10	11	12
Studies in Ethics and Genocide	0.5	Semester			11	12
US and World Geography	0.5	Semester		10	11	12
AP Comparative Government	1.0	Year			11	12
AP Economics	1.0	Year			11	12
AP European History	1.0	Year			11	12
AP Government	1.0	Year			11	12
AP Human Geography	1.0	Year	9	10	11	12
AP Psychology	1.0	Year				12
AP US History- Modern	1.0	Year			11	12

Course Descriptions

Contemporary World History **0.5 credit**

Grades 11-12

This is a survey course of the world from WWI through the turn of the 21st century. The course is designed to emphasize events that shaped our contemporary global society and challenge students to predict how the future will define our present era. Students will examine such topics as the rise of Communism, Socialism, European Union, conflicts of the Middle East, and Globalization. Students can expect nightly reading assignments and several essay assignments.

Prerequisite(s): None

Economics **0.5 credit**

Grades 11-12

Students will examine economic principles including microeconomics, macroeconomics, and international economics. Students will analyze the major role economics plays in the free enterprise system, while developing an understanding of the economic principles that influence business decisions. Weekly analysis of current economic issues will be required. This is a practical course that investigates the allocation of economic resources, the production, distribution, marketing and consumption of goods and services, and the impact of money, banks, and government on the economy. Students will participate in a stock market simulation. .

Prerequisite(s): None

This course satisfies the Economics graduation requirement

Global Economics **0.5 credit**
Grades 11-12
This course will allow students to examine the global economy from the theoretical perspective of micro- and macroeconomics, as well as a geopolitical perspective. The focus of the course will be on, the geography and its impact on the economy; the historical development of Capitalism; global resources; impact of population on agriculture and manufacturing; infrastructure; cities and urban development; international trade and investment; and developing nations. The course will include regular reading and writing assignments.
Prerequisite(s): Economics
This course will fulfill a requirement for the Global Competency Certificate.

Global Perspectives **0.5 credit**
Grades 9-12
In this individualized course, students will complement their student travel experience through the completion of a series of assignments that focus on research, data collection and topic development. The course will culminate with a final project that allows students to demonstrate a greater awareness of their global community. The course will fulfill a requirement of the Global Certificate program, as well as having the potential for students to earn credit through Southern New Hampshire University.
Prerequisite(s): Students must be enrolled in or intending to enroll in a student travel opportunity.

Government: Introduction to Political Science **0.5 credit**
Grades 11-12
Political Science will take an in-depth look at national and global issues and examine how the political process and media shape these issues. Students will evaluate their position on the political spectrum and understand how they have formed their political identity. Students will engage in and use the Socratic method and participate in simulated "town hall" exercises to gain an understanding of political issues and how they are argued. This course will include an extensive examination of the election process, candidate selection and election, and campaign creation and management. Careful attention will be paid to the process by which voters ultimately are influenced in their voting decisions.
Prerequisite(s): Successful completion of American Studies
This course satisfies the Social Studies/Government requirement.

Government: Practical Law I **0.5 credit**
Grades 11-12
This course explores the structure and function of the U.S. government through the lens of practical applications within the U.S. legal system. The course will include a broad study of the U.S. government from the local, state, and federal levels, as well as an in-depth study of the criminal justice system. Emphasis is placed on learning about the United States court systems, lawmaking, individual legal rights, and responsibilities, as well as an in-depth look at the criminal investigation process through the eyes of the police, defense, and prosecution. Small group activities, guest speakers, and simulation exercises will be used within this course.
Prerequisite(s): Successful completion of American Studies
This course satisfies the Social Studies/Government requirement.

Practical Law II **0.5 credit**
Grades 11-12
This course is designed as a continuation of the study of the U.S. legal system from the Practical Law I course. This course will include a very specific study of the U.S. court systems at the state and federal levels. In-depth case studies will be used to learn about the various steps in the criminal justice process. Students will also take part in a mock trial simulation from jury selection through the final verdict. Small group activities, guest speakers, and simulation exercises will be used within this course.
Prerequisite(s): None
This course does not satisfy the Social Studies/Government requirement.

Legacy of Greco-Roman Culture **0.5 credit**
Grades 9-12
Why are the Lincoln Memorial and the Capitol building in Washington D.C. similar to the Parthenon in Athens and the Colosseum in Rome? What does American government owe to the Roman Republic? How do modern authors like J.K. Rowling and J.R.R. Tolkien draw from ancient writers like Homer and Vergil? What does it mean to be a virtuous person? What is good government? Can we learn from our past errors and not repeat the mistakes of history? These are questions that human beings, like Socrates, Plato, and Seneca, have been asking for centuries and modern people are still asking. What can we learn from these thinkers? How did their ideas influence later people? How can these thinkers inform and guide us today? In this course, students will examine and engage in the architecture, government, literature, and thought of Greco-Roman civilization. They will read classical authors in translation, like Cicero and Sophocles, and explore Greco-Roman art and architecture to investigate how ancient motifs and perspectives inform and influence modern American thought and culture. Students should expect to engage in reading, research, writing, and discussion.
Prerequisite(s): None

Psychology **0.5 credit**
Grades 10-12
This course will introduce students to the field of psychology. Students will study the history and development of this social science, its impact on our society, and its influence on how human beings perceive themselves. Areas of emphasis in this course will include a definition of psychology, developmental psychology, personality theory, psychological testing, stress, abnormal psychology, therapy and change, human interaction, attitudes and social influences, motivation and emotion, and pharmacology. This course requires regular reading and writing assignments as well as group projects/presentations.
Prerequisite(s): None

Studies in Ethics and Genocide **0.5 credit**
Grades 11-12
This course examines the essential questions of moral philosophy, progressing from issue to issue with primary and secondary sources. Students' study of moral and ethical philosophy will lead them to question how one of the greatest human atrocities of all time, genocide, is still present and ongoing despite technological and human advancements. This study often leaves a scholar seeking answers and clarity with an ever-increasing list of ethical questions. This course will place great emphasis on critical thinking, debate, and written expression.
Prerequisite(s): None

U.S. & World Geography **0.5credit**
Grades 10-12
U.S. & World Geography is a survey course that examines the world region by region. Students will explore how geography shapes the dynamics of human societies. In addition to general geographic themes, topics such as natural resources, population, culture, political patterns, rural land use, urban development, and industrial and economic development will be explored. Maps, graphs, charts, digital data technology, and primary and secondary social sciences resources.
Prerequisites: Successful completion of Cultural Foundations

Advanced Placement (AP) Comparative Government **1.0 credit**
Grades 11-12
This course introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues.
Prerequisite(s): B- or higher in previous honors or AP social studies or humanities course, A- in previous social studies or humanities course
This course will fulfill a requirement for the Global Competency Certificate.

Advanced Placement (AP) Economics **1.0 credit**
Grades 11-12
The AP Program offers two separate exams in economics: one in microeconomics and one in macroeconomics. Each exam is intended for qualified students who wish to complete studies in secondary school equivalent to a one-semester college introductory course. Each exam presumes at least one semester of college-level preparation. Students may take one or both exams in a given year. A separate score is reported for each. Students are expected to take both College Board AP Economics exams at their own expense.
Prerequisite(s): B+ or higher in Algebra II
This course satisfies the Economics graduation requirement

Advanced Placement (AP) European History **1.0 credit**
Grades 11-12
This course is designed to engage students in a comprehensive study of the history of Europe from 1450 C.E. to present times. Students will examine the cultural, economic, political, and social developments of Europe and the various ways Europe has influenced the world. Students will work extensively with primary documents and develop the ability to undertake authentic historical scholarships. This is a fast paced, academically intense course. Students must be willing to work independently and undertake a considerable amount of reading and writing outside of the classroom. Several assignments must be completed over the summer. All students are expected to take the corresponding AP exam at their own expense.
Prerequisite(s): B- or higher in previous honors or AP social studies or humanities course, A- in previous social studies or humanities course

Advanced Placement (AP) Government **1.0 credit**
Grades 11-12
A well-designed AP course in United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. While there is no single approach that an AP United States Government and Politics course must follow, students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.
Prerequisite(s): B- or higher in previous honors or AP social studies or humanities course, A- in previous social studies or humanities course
This course satisfies the Government graduation requirement.

Advanced Placement (AP) Human Geography **1.0 credit**
Grades 9-12
This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students will employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They will also learn about the methods and tools geographers use in their science and practice.
Prerequisite(s): None

Advanced Placement (AP) Psychology **1.0 credit**
Grade 12 only
The AP Psychology course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the ethics and methods psychologists use in their science and practice. All students are expected to take the College Board's AP Psychology exam at their own expense. Psychology is not a requirement for AP Psychology.
Prerequisite(s): B- or higher in previous honors or AP social studies or humanities course, A- in previous social studies or humanities course

Advanced Placement (AP) US History - Modern **1.0 credit**
Grades 11-12

This course is a nationally standardized course for advanced students. Some students may be eligible for earning college after having successfully completed this course. This fast-paced overview of U.S. history is designed to stimulate and challenge students who are particularly interested in history. The course examines the causes and effects of historical events and the social conditions of the last three centuries. Outside reading, research projects each quarter, and participation in class discussion of historical and current events is mandatory and key for a student's success in the class. All students are expected to take the College Board's AP US History course at their own expense.

Prerequisite(s): B- or higher in Honors American Studies, A- in American Studies.

This course satisfies the Social Studies government requirement.

Visual and Technical Arts

The goal of the Windham High School Art Program is to enable students to use art as a medium to respond to and express their creativity. Since early civilization, people have created visual artifacts to communicate ideas, reflect, and expand upon life. Today, visual arts remain an important part of our daily lives. Students taking any of the specialized courses in visual arts will be able to explore materials and processes and develop their imagination and ability to create meaningful works. Students will be able to understand and evaluate art from structural, historical, and cultural perspectives. The art curriculum prepares students for careers as professional artists, artisans, or hobbyists, or for a lifelong appreciation of forms and materials.

Courses Offered

Course Title	Credit	Length	Grades			
AP Studio Art and Design*	1.0	Year			11	12
Honors Studio Art* Semester 1	0.5	Semester			11	12
Honors Studio Art* Semester 2	0.5	Semester			11	12
Ceramics and Pottery I*	0.5	Semester	9	10	11	12
Ceramics and Pottery II*	0.5	Semester		10	11	12
Honors Ceramics and Pottery III*	0.5	Semester			11	12
Digital Media I – Exploration^	0.5	Semester	9	10	11	12
Digital Media II – Advanced Media Creation^	0.5	Semester		10	11	12
Drawing I*	0.5	Semester	9	10	11	12
Drawing II*	0.5	Semester	9	10	11	12
Graphic Design I*	0.5	Semester	9	10	11	12
Graphic Design II*	0.5	Semester		10	11	12
Intro to Animation*^	0.5	Semester	9	10	11	12
Jewelry and Light Metals*	0.5	Semester	9	10	11	12
Painting I*	0.5	Semester	9	10	11	12
Painting II*	0.5	Semester		10	11	12
Photography I*	0.5	Semester	9	10	11	12
Photography II*	0.5	Semester		10	11	12
Photography III*	0.5	Semester		10	11	12
Sculpture	0.5	Semester		10	11	12
TV-Video I – Intro to Video Production	0.5	Semester	9	10	11	12
TV- Video II – Studio Production^	0.5	Semester		10	11	12
TV-Video III -Film Production	0.5	Semester		10	11	12
Yearbook 101^	0.5	Semester	9	10	11	12

***Fulfills Arts Requirement**
^Fulfills ICT Requirement

Course Descriptions

AP Studio Art and Design* **1.0 credit**
Grades 11-12

AP Studio Art and Design is a year-long college level course that is designed to engage students in the execution and completion of artwork which will encompass a high level of personal expression and technical merit. The focus will be on the creation of a body of work that can be displayed as both a single piece and a larger collection. Students will elect to focus on 2D, 3D, or Drawing as their concentration. Upon completion of the course, all students will be required to submit a digital portfolio containing a minimum of 15 and a maximum of 20 artworks for review by the College Board. Upon completion of the course students will submit a finished portfolio and exhibit their final art pieces. Exam fee required. (This course runs concurrently with Honors – Studio Art)
Prerequisite(s): B+ or higher in at least two previous consecutive art courses and teacher recommendation required.
***Fulfills Art Requirement**

Honors Studio Art* (S1) **0.5 credit**
Grades 11-12
Do you want to continue to be an art medium with more depth? Explore your own ideas by taking Honors Studio Art, a semester long course with an option to extend it to a second semester. The focus will be on the creation of a body of work that can be used for a portfolio for college admission. Students will have the opportunity to work in all areas of focus, 2D, 3D, and Drawing. Artwork is intended to be student driven with guidance and assistance from the instructor. Upon completion of this course students will submit a finished portfolio and exhibit their final art pieces. (This course runs concurrently with AP Studio Art and Design)
Prerequisite(s): B+ or higher in at least two previous consecutive art courses
***Fulfills Arts Requirement**

Honors Studio Art* (S2) **0.5 credit**
Grades 11-12
This class is a continuation of Honors Studio Art S1. The focus will be on the creation of a body of work that can be used for a portfolio for college admission. Students will have the opportunity to work in all areas of focus, 2D, 3D and Drawing. Artwork is intended to be student driven with guidance and assistance from the instructor. Upon completion of the course, students will submit a finished portfolio and exhibit their final art pieces. (This course runs concurrently with AP Studio Art and Design)
Prerequisite(s): B+ or higher in at least two previous consecutive art courses
***Fulfills Arts Requirement**

Ceramics and Pottery I* **0.5 credit**
Grades 9-12
Explore your three-dimensional creative side by learning how to make art with clay. This class is open to all students, where you will be introduced to a variety of clay construction methods. Functional and sculptural forms will be explored using the methods of pinch, slab, coil, and wheel throwing. Emphasis will be placed on craftsmanship, idea development, and the historical and cultural background of the craft.
Prerequisite(s): None
***Fulfills Arts Requirement**

Ceramics and Pottery II* **0.5 credit**
Grades 10-12
Broaden your creativity and personal expression as you expand upon the hand-building and wheel-working techniques that you were introduced to in Ceramics and Pottery I. Now that you have the basics of clay craftsmanship, explore your ideas and study of the work of others. Emphasis will be placed on the conceptual, historical, and cultural background of the craft. Students will continue to develop their skills in two-dimensional design and alternative decorative techniques.
Prerequisite(s): Successful completion of Ceramics and Pottery I
***Fulfills Arts Requirement**

Honors Ceramics and Pottery III* **0.5 credit**
Grades 11-12
This course is designed for students who are interested in exploring ceramics on a more personal level. Honors Ceramics and Pottery III will be broken up into units of study, where the students will follow a basic framework, and create customized projects. Projects explored in this class will depend vastly on the direction the students want to take in the course. A student may decide to take a primary concentration of coil forms, while another may try a variety of different construction methods. This level is designed to encourage students to be more creative, to push the limits of what they are already proficient in while incorporating techniques that are new to them. Prerequisite(s): Successful completion of Ceramics and Pottery II.
Prerequisite(s): Successful completion of Ceramics and Pottery II
***Fulfills Arts Requirement**

Digital Media I – Exploration^ **0.5 credit**
Grades 9-12
This hands-on exploration course introduces students to the digital world and how to manage a variety of files, formats and content creation. Students will explore an introduction to a variety of digital design software (Adobe Creative Cloud, Google Apps for Education, Apple iWorks, etc) where various forms of media can be created. It examines the creation and movement of files through the creation of graphic design images, audio files such as podcasting, and through the visual storytelling with video production and editing. This is a class for any student looking to have a better understanding of digital media careers. Recommended for students interested in exploring digital media careers.
Prerequisite(s): none
^Fulfills ICT Requirement

Digital Media II – Advanced Media Creation^ **0.5 credit**
Grades 10-12
This computer graphics course focuses on technical aspects of Adobe Creative Cloud. Students will deepen their understanding of media content creation by using the applications available in the Adobe Creative Cloud. Projects will include Video Production, Graphic Design, Layout Publishing, Animation, and Audio Engineering. At the end of this course students will be responsible for creating a Digital Portfolio which will be a summary of the work they have completed throughout the semester. This course is highly recommended for those students wishing to pursue a career in any Digital Media.
Prerequisite(s): Digital Media 1
^Fulfills ICT Requirement

Drawing I* **0.5 credit**
Grades 9-12
Anyone can learn to draw! Do you love to draw or want to learn to draw? This course explores a variety of subjects and materials in order to develop technical, observational, and creative skills on paper. Self-expression will be explored through diverse subjects, hands-on studio projects and classroom discussions. This class is a must if you are thinking about entering a creative field such as Visual Arts, Architecture, Interior Design, Fashion Design, Graphic Design, Animation or whipping up a quick sketch to explain your ideas to your fellow engineers!
Prerequisite(s): None
***Fulfills Arts Requirement**

Drawing II* **0.5 credit**
Grades 9-12
Broaden your creativity and personal expression as you expand upon the skills and knowledge acquired in Drawing I. Explore new mediums and techniques, and longer term more in depth projects. Enhance your own artistic skills and voice by pushing your creative side and working with professional techniques and media. Students will be creating artwork that can be used for college portfolios, the AP Studio Art and Design Exam and exhibitions.
Prerequisite(s): Successful completion of Drawing I
***Fulfills Arts Requirement**

Graphic Design I* **0.5 credit**
Grades 9-12
Learn to express yourself visually and digitally in Graphic Design I. This course is recommended for students who would like an art elective with an emphasis in technology. There will be a focus on branding using logos, color schemes, and typography. Students will learn the principles of great design while using Adobe design software to create digital drawings, advertisements, layouts, and more.
Prerequisite(s): None
***Fulfills Arts Requirement**

Graphic Design II* **0.5 credit**
Grades 10-12
Graphic Design II is for students interested in deepening their basic design skills and focuses on combining text and images to communicate effective messages in different forms by using Adobe design software. This class is recommended if you are thinking about a career in the design field.
Prerequisite(s): Successful completion of Graphic Design I
***Fulfills Arts Requirement**
^Fulfills ICT Requirement

Intro to Animation*^ **0.5 credit**
Grades 9-12
This introductory art course allows students to express their visual creativity through moving images. Students will create a variety of animations using different techniques, such as early animation toys, traditional animation such as stop-motion, drawing, and current digital methods.
Prerequisite(s): none
***Fulfills Arts Requirement**
^Fulfills ICT Requirement

Jewelry and Light Metals* **0.5 credit**
Grades 9-12
Metal, fire, saws, and hammers! Students will be exploring how to make rings, earrings, pendants, and other wearable art using professional techniques and equipment. The class will be working with copper, silver, and other traditional and non-traditional jewelry materials. Throughout the semester students will be creating pieces that need to be completed in a studio setting as well as those that can be created at home using minimal equipment. Limited to 18 students.
Prerequisite(s): None
***Fulfills Arts Requirement**

Painting I* **0.5 credit**
Grades 9-12
Painting is the king of all art forms. Discover your inner artist with a variety of techniques, media, and subjects. Design, observation, abstraction, and imagination will be explored using modern and Renaissance techniques. Media such as acrylics, watercolor, sumi inks, printmaking and oil paints will be introduced. Value is key. Color is never neutral. Connect with your creative side and express yourself!
Prerequisite(s): None
***Fulfills Arts Requirement**

Painting II* **0.5 credit**
Grades 10-12
Go beyond the basics and express yourself through the language of art and painting. In this course students will further explore the elements of painting with a focus on intent. Students will have the opportunity to use and choose multiple mediums and are encouraged to interject more symbolic and personal meaning into the pieces. Students will be creating artwork that can be used for college portfolios, the AP Studio Art and Design Exam and exhibitions.
Prerequisite(s): Successful completion of Painting I
***Fulfills Arts Requirement**

Photography I* **0.5 credit**
Grades 9-12
Photography I introduces the fundamental principles of photography as an artistic form. Students will use digital cameras to explore shooting techniques, lighting, and photo composition, and will be introduced to basic photo manipulation through postproduction software. Through a series of photo projects and exercises, students will explore photographic philosophies, design principles, color theory, art history and career possibilities. Owning a digital camera is encouraged but not required.
Prerequisite(s): none
***Fulfills Arts Requirement**

Photography II* **0.5 credit**
Grades 10-12
Expand and reinforce your photography skills and knowledge acquired in Photography I through this advanced-level course. Photography II introduces students to studio and product photography, posing techniques, and lighting, and other advanced fundamentals and complex techniques. Experiment with available technology to achieve specific results and expand skills in Adobe Photoshop and other photography-related software applications. Connections to photography as artistic expression will continue to be key, and portfolio development will be emphasized throughout the semester. Owning a digital camera is encouraged, but not required. Limited to 18 students
Prerequisite(s): Successful completion of Photography I with a grade of B- or higher
***Fulfills Arts Requirement**

Photography III* **0.5 credit**
Grades 10-12
Expand and reinforce your photography skills and knowledge acquired in Photography II through this advanced-level course. Photography III will focus on the creation of a body of work that can be used for a portfolio for college admission. Students will have the opportunity to create Artwork intended to be student driven with guidance and assistance of instructor. Upon completion of this course students will submit a finished portfolio. Students will also experiment with available technology to achieve specific results, and expand skills in Adobe Photoshop, Adobe Lightroom and other photography-related software applications. Owning a digital camera is encouraged, but not required. Limited to 18 students
Prerequisite(s): Successful completion of Photography II with a grade of B- or higher
***Fulfills Arts Requirement**

Sculpture* **0.5 credit**
Grades 10-12
Students will produce both functional and non-functional three-dimensional art forms constructed with materials that may include but are not limited to clay, wire, plaster, copper, and more to explore various sculpture processes, tools, and techniques in this foundation course. Limited to 18 students.
Prerequisite(s): None.
***Fulfills Arts Requirement**

TV- Video I – Introduction to Video Production **0.5 credit**
Grades 9-12
Students will be introduced to storytelling through the video medium. Conveying thoughts, narratives, and emotions through this powerful medium that uses our perception of sight and sound to tell the story. In order to do that effectively, students will learn the importance of planning, storyboarding, and script writing. In addition, the students will begin to develop a mastery of the technical tools of the trade. In production, they will learn about cameras, lights, microphones, locations, shot compositions, and a myriad other element that produce compelling video. As their projects move through post-production, they will learn the processes of editing, graphics creation, music scoring, and other techniques that will put the finishing touches on their productions. Students will become content creators for the school's news program, Jag News.
Prerequisite(s): None

TV-Video II - Studio Production ^ **0.5 credit**
Grades 10-12
This hands-on course focuses on production procedures for in-studio production shooting with an emphasis on directing. Students will write scripts, interpret, and block scenes, and direct individual and team projects. Students become proficient crew members in all positions including writer, producer, director, assistant director, lighting director, floor manager, camera operator, video switcher, audio, video and recording engineer, and graphics operator. Production projects will include morning WHS announcements, in-studio talk shows, documentaries, and public service announcements for local community organizations. Student productions may be cablecast on Windham Community Television. Apart from all the obvious aspects of this course, students will learn the importance of collaboration in a work environment. Video production depends on good working relationships within a team. Students will learn how to deal effectively with any conflicts that should arise. Students will be required to live stream 1 school event per semester.
Prerequisite(s): TV-Video I, course maybe repeated with instructor permission
^Fulfills ICT Requirement

TV Video III - Film Production ^
Grades 10-12
This is an advanced course for students passionate about storytelling through the video medium. Film Production investigates the directorial process of translating the written script to the screen. Students analyze, rehearse, shoot, and edit narrative scenes from existing or original screenplays. The exercises are critiqued, and comparisons are then made between the existing works and the exercises. Students work in crews rotating between director, camera, and sound roles. Special attention is also given to lighting, cinematography, and audio recording. Students will submit a number of short films throughout the semester leading up to a final project and portfolio. (TV-Video I, may be repeated once with instructor permission)
Prerequisite(s): none
^Fulfills ICT Requirement

Yearbook 101 **0.5 credit**
Grades 9-12
Be part of the creative team behind the WHS Yearbook. Students photograph and interview students, faculty, and administrators, edit photos using Adobe Photoshop, plan a theme and cover design for the year, develop layouts using online design tools, sell and set up advertisements to support the development of the book, and much more! The first semester focuses on creating the content and the second semester focuses on branding, sales, and marketing. Students may elect to take this course two times for credit.
Prerequisite(s): None
***Fulfills ART Requirement**

World Language

The study of a world language enables students to see the world through different perspectives and to increase their understanding of both their own culture and the world at large. It also prepares students for meaningful participation in a global society. Students are presented with both grammar and vocabulary in context and are encouraged to express themselves in the target language as soon as possible. Awareness of cultural differences and similarities is also essential to a complete language education. Interdisciplinary themes allow students to use the language they acquire to learn about their world in general. A minimum of a three-year high school sequence of one language is recommended for students seeking admission to selective colleges. A two-year sequence of study generally meets the admission requirement for less selective two and four-year colleges. Foreign Language courses at Windham High School are designed to align with both state and national standards for Foreign Language instruction.

Courses Offered

Course Title	Credit	Length	Grades			
French I	1.0	Year	9	10	11	12
French II	1.0	Year	9	10	11	12
French III	1.0	Year		10	11	12
Honors French IV-French Language and Literature	1.0	Year			11	12
AP French V	1.0	Year				12
Latin I	1.0	Year	9	10	11	12
Latin II	1.0	Year		10	11	12
Latin III	1.0	Year			11	12
Honors Latin IV	1.0	Year				12
Spanish I	1.0	Year	9	10	11	12
Spanish 1.5	1.0	Year	9	10	11	12
Spanish II	1.0	Year	9	10	11	12
Spanish III	1.0	Year		10	11	12
Spanish IV	1.0	Year			11	12
Honors Spanish IV	1.0	Year			11	12
AP Spanish V Language	1.0	Year			11	12
AP Spanish VI Literature	1.0	Year				12

Course Descriptions

French I **1.0 credit**
Grades 9-12
This course offers a traditional approach to the formal study of a world language. Students learn sounds, stress patterns, and intonation. Great emphasis is placed on students' developing a solid grammatical foundation as well as increasing their verbal and auditory fluency. Students will read, write, and converse daily in French and they will begin their study of French history and culture. This course is designed for students with no previous French experience or students who earned a grade of C+ or lower in middle school French.
Prerequisite(s): None

French II **1.0 credit**
Grades 9-12
This course will reinforce and build upon the skills and knowledge acquired in French I. Students will be expected to increase their use of French in the classroom and to begin to read both authentic and adapted French literature with increased fluency and comprehension. The study of French history and culture will continue, and students will begin to explore how the French culture has influenced American culture as well as many other cultures around the world.
Prerequisite(s): C or higher in French I.

French III **1.0 credit**
Grades 10-12
Students will continue to build upon their knowledge and understanding of French grammar and work towards communicating entirely in French during class time. Students will be expected to read in French from a variety of sources: novels, poems, plays, and newspapers. An extensive project on an aspect of French culture and history will be a major requirement for the course.
Prerequisite(s): C+ or higher in French II.

Honors French IV – French Language and Literature **1.0 credit**
Grades 11-12
French IV is a year- long course, conducted in French, which continues to develop greater proficiency in the competencies surrounding the core skills of listening, speaking, reading and writing. Linguistic mastery will involve greater facility in the use of grammar and structures. To the greatest degree possible, this will involve oral and written practice in the context of readings and a variety of types of French literature, as well as realia, from countries within the francophone world. The program's literature also provides a basis for greater cultural understanding and appreciation of French involvement in the world, as well as contributions throughout history to fields such as art, music, and government.
Prerequisite(s): B or higher in French III

Advanced Placement (AP) French V **1.0 credit**
Grade 12 only
AP French Language is comparable in content and in difficulty to a course in French Composition and Conversation at the third-year college level. Students who enroll in AP French Language should already have a good command of French grammar and vocabulary and have competence in listening, reading, speaking, and writing. Although these qualifications may be attained in a variety of ways, it is assumed that most students will be in the final stages of their secondary school training and will have had substantial course work in the language. All students are expected to take the College Board's AP French exam at their own expense.
Prerequisite(s): B+ or higher in French IV or teacher recommendation

Latin I **1.0 credit**
Grades 9-12
This course is an introduction to the language, history, and culture of the ancient Romans. The course will focus primarily on reading and writing the language, but students will also be expected to listen to and speak Latin. They will also learn about different aspects of ancient Roman culture, such as the Roman family, the Roman house, Greco-Roman heroes and gods, theater, and government. This course will also explore the influence of Latin and ancient Roman culture on English grammar and vocabulary. American history and government, modern science, and American popular culture. This course will use *The Cambridge Latin Course: Unit 1.*
Prerequisite(s): None

Latin II **1.0 credit**
Grades 10-12
This course will review and expand upon the material from Latin I. The students will continue to read, write, listen to, and speak Latin. They will continue to learn about Roman culture and will explore cultural topics, such as Greco-Roman medicine and science, Roman religion, the Roman army, trade and travel in the Roman Empire, and Roman philosophy. This course will continue to explore the influence of Latin and ancient Roman culture on the modern world. This course will use *The Cambridge Latin Course: Unit 2* and *The Cambridge Latin Course: Unit 3.*
Prerequisite(s): C or higher in Latin I or teacher recommendation

Latin III **1.0 credit**
Grades 11-12
This course will review and expand upon the material from Latin II. Students will complete their knowledge of Latin grammar and will begin to read Latin prose literature. Students will begin reading medieval Latin literature and then move on to classical prose works, such as the story of Cupid and Psyche from Apuleius' *Metamorphoses*, Petronius' *Satyricon*, and Caesar's *De Bello Gallico*. Students will explore such cultural topics as the nature of stories in human cultures, cultural interaction and exchange in the ancient and modern worlds, and imperialism in the ancient and modern worlds.
Prerequisite(s): C+ or higher in Latin II or teacher recommendation

Honors Latin IV **1.0 credit**
Grade 12 only
The course will review and expand upon the material from Latin III. Students will continue to read and explore Latin literature, but will focus on poetic texts, such as the love poetry of Catullus and Ovid, Ovid's *Metamorphoses*, the fables of Phaedrus, and Vergil's *Aeneid*. Students will explore such cultural topics as heroism in the ancient and modern worlds, love in the ancient and modern worlds, and Greco-Roman mythology.
Prerequisite(s): B or higher in Latin III

Spanish I **1.0 credit**
Grades 9-12
This course offers a traditional approach to the formal study of a world language. Students learn the basic sounds, stress patterns, and intonation of the language. Great emphasis is placed on students' developing a solid grammatical foundation as well as increasing their verbal and auditory fluency. Students will read, write, and converse daily in Spanish and they will begin their study of Spanish and Latin American history and culture. This course is reserved for students with no previous Spanish experience.
Prerequisite(s): None

Spanish 1.5 **1.0 credit**
Grades 9-12
This course is designed for those students who have had previous Spanish instruction. In this course, students will continue to reinforce and expand their knowledge of the Spanish 1 content. The course will use alternative resources to extend and solidify students' basic language acquisition. The course is targeted at students who earned a grade of C+ or lower in middle school Spanish or feel they need a reinforcement of the topics covered at the middle school.
Prerequisite(s): Spanish at the middle school level

Spanish II **1.0 credit**
Grades 9-12
This course will reinforce and build upon the skills and knowledge acquired in Spanish I. Students will be expected to increase their use of Spanish in the classroom and to begin to read both authentic and adapted Spanish literature with increased fluency and comprehension. Great emphasis is placed on increased grammar instruction. The study of Spanish and Latin American history and culture will continue, and students will begin to explore how Spanish culture has influenced our own as well as many other cultures around the world.
Prerequisite(s): C or higher in Spanish I

Spanish III **1.0 credit**
Grades 10-12
Students will continue to build upon their knowledge and understanding of Spanish grammar and work toward communicating entirely in Spanish during class time. Students will be expected to read in Spanish from a variety of sources: novels, poems, plays, and newspapers. An extensive project on an aspect of Spanish or Latin American culture and history will be a major requirement for this course.
Prerequisite(s): C+ or higher in Spanish II

Spanish IV **1.0 credit**
Grades 11-12
This course will introduce advanced grammatical concepts in Spanish while further developing prior basics. Students will focus on their listening, speaking, reading, and writing skills. Students will gain a deeper understanding of the Spanish-speaking world through geographic studies, continued exposure to Hispanic authors, and analysis of various cultural perspectives. Students will make frequent presentations to the class in Spanish as well as, complete a research project on an assigned country.
Prerequisite(s): C+ or higher in Spanish III

Honors Spanish IV **1.0 credit**
Grades 11-12
Honors Spanish IV is a year-long course, conducted in Spanish, which continues to develop greater proficiency in the competencies surrounding the core skills of listening, speaking, reading, and writing. Linguistic mastery will involve greater facility in the use of grammatical structures, especially in the subjunctive mood. To the greatest degree possible, this will involve oral and written practice in the context of readings and a variety of types of Spanish literature, as well as regalia, from countries within the Spanish-speaking world. The program's literature also provides a basis for greater cultural understanding and appreciation of Spanish involvement in the world as well as contributions throughout history. This is a pre-advanced placement course.
Prerequisite(s): B or higher in Spanish III

Advanced Placement (AP) Spanish V-Language and Culture **1.0 credit**
Grades 11-12
AP Spanish Language is comparable in content and in difficulty to a course in Spanish Composition and conversation at the 3rd year college level. Students who enroll in AP Spanish Language should already have a good command of Spanish Grammar and vocabulary and have competence in listening, reading, spelling, and writing. All students are expected to take the College Board's AP Spanish Language and Culture exam at their own expense.
Prerequisite(s): Honors Spanish IV B+ or higher or CP Spanish IV A- or higher

Advanced Placement (AP) Spanish VI-Literature **1.0 credit**
Grade 12 only
This course is designed for students who want to continue their literary studies of Hispanic Culture. The main focus is on reading and interpreting literary works in Spanish. Although grammar is referenced, there is no formal study of grammar in this course. This course will prepare students to take AP Spanish Literature Exam. Students will hone their listening, speaking, reading, and writing skills to a higher proficiency level through literary analysis and monthly coffee- house style "tertulias". Students will demonstrate mastery of skills through writing assignments, short compositions, class discussions and projects. Students in this course are expected to read most works outside of class, in preparation for class discussion, so students must make a commitment to learning outside of class time. All students are expected to take the College Board AP Spanish exam at their own expense.
Prerequisite(s): A- or higher in AP Spanish V

Specialized Courses

Students at Windham High School will be provided with specially designed instruction and related services as needed in order to access and progress through the general high school curriculum. The overwhelming majority of students will be most appropriately served through the options described in the Academic Supports Section. However, students with significantly divergent educational needs may enroll in specialized courses as described below in order to meet personalized goals that allow them to prepare for and transition successfully to adult life. Students' unique strengths, interests, and abilities determine the manner in which coursework addresses vocational preparation, community functioning, and independent living.

Courses Offered

Course Title	Credit	Length	Grades			
Humanities Skills	1.0	Year	9	10		
Foundations of Learning	0.5	Semester	9	10	11	12
Alternative Applied Instruction	Varies	Varies	9	10	11	12
Life Skills Business	0.5	Semester		10	11	12

Course Descriptions

Humanities Skills **1.0 credit**

Grades 9-10

Humanities Skills will engage students in a hands-on approach to the necessary skills involved in content area reading and writing. Students will participate in direct instruction to practice, develop, and refine their reading and writing skills. The students will work on grammar, syntax, usage, spelling, vocabulary, reading fluency, and composition. Students will receive direct instruction in making the connection to how these skills apply to some of the work assigned in Cultural Foundations or American Studies. Students will learn and practice content area reading and comprehension skills as it applies to both fiction and nonfiction text. Students will conference regularly with their teacher in order to develop their ability to assess and revise their own writing. Consultation with a Reading Specialist and Speech & Language Pathologist is embedded into the course. Students will be required to work collaboratively and individually on writing and reading assignments and oral presentations. The writing requirement credit towards graduation can be met through this course. This course must be taken concurrently with the Cultural Foundations and/or American Studies course.

Prerequisite(s): Teacher Recommendation

Foundations of Learning **0.5 credit**

Grades 9-12

Foundations of Learning is a specialized year-long course designed for students with individual education plans to work on IEP goals. Students will receive direct instruction and remediation in accordance with their individual education plans. Curriculum based assessments, both formal and informal, as well as executive functioning performance, will be evidence of progress toward the students' goals as outlined on their individual education plan.

Prerequisite(s): Recommendation by academic team

Alternative Applied Instruction **Credit Varies**
Grades 9-12
Alternative Applied Instruction is an individualized course of study for students that need specially designed instruction in the following domains of academics and functional life skills to prepare them for a smooth and successful transition to adult life: Personal/Self-Care, Safety, Social Skills, Home/Household Management, Functional Reading, Writing, Communicating, Functional Math, and Leisure Activities & Exploration. Pre-Vocational/vocational Skills, Community and Work Experiences, Self-Advocacy & Self Help, Accessing Community Resources. The goal of Alternative Applied Instruction is to increase student success and independence in these domains in a range of situations and settings, while emphasizing the value of each student's contributions at home, in school, and in the community.
In the context of school, community, or vocational settings, this course will emphasize and reinforce the fundamental skills of functional academics, while targeting higher-level skills that are directly applicable to independent living, socialization, community participation, and the world of employment. The goal of Alternative Applied Instruction is to provide students with targeted instruction in a range of natural settings, while emphasizing vocational abilities, the use of community resources, and skills needed to function successfully in post-high school situations.
Prerequisite(s): Documented present level of functional performance and baseline data (assessment) in the areas of: Academic Performance, Vocational/Vocational Skills, Community Based Work Experiences, Self-Advocacy & Self Help including targeted goals and objectives, as well as the written recommendation/determination of a multidisciplinary team, including parents, in accordance with state and federal regulations. Prior approval by multidisciplinary team.

Life Skills Business **0.5 credit**
Grades 10-12
Life Skills Business will allow students to learn and apply work skills to help maintain and run the Windham High School Store, Jaguar Junction. Students learn how to conduct inventory, check products for inspection and stock shelves. Additionally, students will manufacture merchandise to create various apparel as needed by Jaguar Junction. Students will practice daily workplace, routings, including social interactions in the workplace, preparing for work, and daily store routines.
Prerequisite(s): Teacher Recommendation

Career & Technology Education (CTE) Courses

Windham High School students can have the opportunity to enroll in CTE classes at Salem High School or Pinkerton Academy. The CTE Centers offer opportunities for students to pursue a variety of careers and technical programs that provide them with the essential skills to succeed in the workforce and post-secondary education. You will work in brand new, state of the art, labs, and facilities. Many of the CTE programs provide students the opportunity to earn both high school and college credit and industry certifications. Students are ***required to apply*** *for admittance into programs. Transportation will be provided to and from schools.*

PROGRAMS OFFERED AT SALEM HIGH SCHOOL

Seating in CTE programs can be competitive and limited. Students must complete an application for admission. Selection for a CTE program is based on prerequisites, attendance record, discipline record, and in some cases a personal interview. Ten of the twelve CTE programs earn a minimum of 3 transcript college credits from Manchester Community College (MCC), Great Bay Community College (GBCC), New Hampshire Technical Institute (NHTI), or Southern New Hampshire University (SNHU). These credits are typically at no cost to students. Students may also earn industry recognized credentials (IRC) in many programs. Authentic learning and work-based learning experiences are integral to our CTE programs.

Automotive Technology Pathway

Automotive Technology is a two-year program aimed at preparing students for careers in the automotive industry such as: automotive technicians, service writers, engineers, parts distributors and aviation, motorsports, and diesel technicians. You can earn industry credentials and college credit through Manchester Community College.

Automotive Technology I **2.0 credits**
Grade 10-11
In Automotive Technology I, you will study many of the major automotive systems while learning how a quality automotive shop operates. Major topics of instruction include shop safety, shop operations, lubrication, engine components, steering and suspension, brake systems, and vehicle safety inspections. You will also develop an understanding of service write-ups, customer service, and parts management. You will gain valuable hands-on experience performing live work in the Salem Auto-Tech shop. Appropriate safety instruction is provided, and students are required to wear proper footwear, eyewear, and clothing for use in laboratory activities. You will be eligible to earn SP2 safety certification, Valvoline oil certification, as well as industry-driven training from various local companies.
Prerequisite(s): Application
IRC: SP2 Safety Certification, Valvoline Oil Certification

Automotive Technology II **2.0 credits**
Grade 11-12
In Automotive Technology II, you will use the skills and competencies master's in automotive technology I, while mastering new competencies in front-end alignment, steering and suspension, emissions, engine principles, cooling and heating systems, electrical diagnosis, and repair, as well as scan tool use. A continued emphasis on safety, shop management, and proper workplace attitude are important components of this course. You are required to provide proper footwear and clothing for use in laboratory activities. Automotive related colleges and post-secondary schools visit the program each fall to inform you of post-secondary options. You will be eligible for student level ASE certification and have the opportunity to compete in Skills-USA competition.
Prerequisite(s): C or higher in Automotive Technology I or teacher recommendation
College Credit: 3 College Credits from Manchester Community College in Introduction to Automotive Service
IRC: ASE Student Certification (8 areas), SP2 Safety

Biomedical Science Pathway

Biomedical Science is a laboratory-based, two-year program aimed at preparing students for a variety of careers and professions in the life science, biotechnology, and medical fields. This program will prepare you for careers in medicine, genetics, biotechnology, pharmaceuticals, biochemistry, biomedical engineering, and research to name a few. You will have access to state-of-the art equipment and technology which rivals many post-secondary programs. Completion of Biomedical Science I within the same school year satisfies the life science graduation requirement.

Biomedical Science I **2.0 credits**
Grades 10-11
Biomedical Science is a two-year program for students interested in pursuing a major of career in the medical sciences, biotechnology, and many affiliated fields. This is a very hands-on program where you will learn skills and techniques in our state-of-the art laboratory while preparing you for these high-demand jobs. In Biomedical Science I you will focus on microbiological techniques such as aseptic techniques growing culture, media preparation, microbial genetics, and identification. You will study techniques in DNA manipulation, cell culture, protein purification, microbiology, bioinformatics, and much more. If you enjoy the sciences in a hands-on laboratory environment, then this course is for you!
Prerequisite(s): Application and Grade of C or better in Biology
IRC: Local, industry endorsed, certification in various laboratory skills

Biomedical Science II **2.0 credits**
Grade 11-12
This is the second course in the biomedical science program with a focus on advanced topics and skills related to biomedical science, biochemistry, and biotechnology. You will further your skills in areas including recombinant DNA technology, protein production, purification, DNA 'barcoding', and plant and animal cell culture techniques. As experienced scientists, you are given the opportunity to gain experience working independently on a number of long-term research projects. This course qualifies for 3 college credits in biotechnology.
Prerequisite(s): Grade of C or better in Biomedical Science I
College Credit: 3 credits, Introduction to Biotechnology, GBCC
IRC: Local, industry endorsed, certification in various laboratory skills

Business Pathway

The Business Pathway is a four-course program that offers students the opportunity to earn 12 to 15 college credits through Manchester Community College which may be applied toward their AS degree in Management or transferred to many 4-year colleges and universities. This core group of business courses is integral to most college business programs and will prepare you for careers in business, management, insurance, finance, and marketing. Each course is a semester long and meets every day. Business Principles must be taken before any other course. These courses are open to grades 10-12. The typical sequence is to take business principles semester 1, and marketing, accounting, or business law semester 2 of year 1. Year 2 students typically take business management in semester 1, and business law, marketing, or accounting in semester 2.

Business Principles (semester 1, year 1) **1.0 credit**
Grade 10-12
This course will provide you with a basic understanding of the structures and operations of business. You will gain an awareness of social and ethical responsibility as it relates to the environment, consumers, employees, and investors. Business ownership, management, marketing, the global economy, money, and investments will also be explored.
Prerequisite(s): Application. This course is the first course in the Business Pathway program.
College Credit: 3 credits, Introduction to Business, MCC

Marketing (semester 2, year 1 or 2) **1.0 credit**
Grades 10-12
The sales and marketing fields have great opportunities for employment. In this semester-long course, students will take an in-depth look into the marketing of goods and services within the diverse marketing industry. Topics include sports and entertainment, fashion, retail, and marketing communication.
Prerequisite(s): Successful completion of Business Principles
College Credit: 3 credits, Principles of Marketing, MCC

College Accounting, (semester 2, year 1 or 2) **1.0 credit**
Grade 10-12
This course provides a rigorous, comprehensive study of accounting principles. Students who are interested in a career in accounting, financial management, or who intend to major in business in college should consider this course. The course content is equivalent to a first semester college accounting course.
Prerequisite(s): Successful completion of Business Principles.
College Credit: 3 credits, Accounting & Financial Reporting, MCC

Business Law (semester 2, year 1 or 2) **1.0 credit**
Grade 10-12
Business Law will increase your understanding of business' responsibility to know, abide by, and enforce laws and regulations that affect business operations and transactions. Students will work with case studies to learn how business and personal law affect organizations and individuals. Topics discussed include constitutional law for business and on-line commerce, torts and privacy, business and cyber-crimes, ethics and social responsibility, and contracts and warranties.
Prerequisite(s): Successful completion of Business Principles.
College Credit: 3 credits, Business Law, MCC

Business Management (semester 1, year 2) **1.0 credit**
Grade 11-12
In Business Management, you will be introduced to the principles and techniques underlying the successful management of business organizations. Topics you will learn include supply and demand, market structure, entrepreneurship, leadership, motivational techniques, ethics and social responsibility, management styles, and the functions of management. You will analyze basic management activities and apply knowledge to complete a business plan for a company of your own creation.
Prerequisite(s): Successful completion of Business Principles.
College Credit: 3 credits, Management, MCC

Carpentry and Construction Pathway

Carpentry and Construction is a program designed to prepare you for a career in the construction industry with a primary focus on residential and basic carpentry skills and techniques. Students interested in residential and commercial construction, construction management, architecture, and engineering will benefit from this program. Students who are interested in other skilled trades such as plumbing and electrical will benefit from this program as you will learn transferable skills. The program is a blend of classroom theory and on-site, hands-on construction projects where you will learn basic building systems and techniques.

Carpentry and Construction I **2.0 credits**
Grade 10-11
In this course, you will learn basic residential carpentry techniques beginning with a comprehensive unit on workplace and tool safety and progressing through residential framing techniques. Units of study will include tool selection and usage, plan reading, layout, footings and foundations, and floor and wall systems. You should be comfortable on ladders and with working outside in a variety of conditions. Students will complete projects such as sheds, decks and additions as part of this program. Students are required to have proper work boots and clothing.
Prerequisite(s): Application

Carpentry and Construction II **2.0 credits**
Grade 11-12
In level 2, you will expand on your skills from the first year and learn more advanced skills in areas such as roof and stair framing, siding systems, insulating, window installation, roofing, and finishing work. Students will complete more advanced projects in this course. You are required to have proper work boots and clothing.
Prerequisite(s): C or higher in Carpentry and Construction
Articulation Agreement: Keene State College, Construction Management
IRC: OSHA 10 Hour Certification

Computer Science Pathway

The Computer Science Pathway is a two-year program designed for students who are interested in careers in the information technology sector such as programming, software development and software engineering. This is one of the fastest growing sectors for job growth with excellent earning potential. Career pathways include certificate programs, and two and four-year college degrees. Students can take AP Computer Science Principles at their home school.

AP Computer Science Principles **2.0 credits**
Grade 10-11
Don't let the "AP" scare you from taking this program; no experience is necessary, and you can do the work with commitment and a positive attitude. If you are interested in exploring the IT world or in pursuing a lucrative career in computer science, then you should be in this program. Explore how computer technologies affect your world, how the Internet works, cyber security and the role of big data and analytics. You will create an App using JavaScript, and program with Spheros, Raspberry Pi's and drones.
Prerequisite(s): Application
College Credit: 3 credits, Introduction to Computer Science, MCC

AP Computer Science A **2.0 credits**
Grade 11-12
This course is the second year of the Computer Science & Technology program. You will learn to create well- designed programs using the Java programming language. You will also learn about cutting edge technologies in machine learning and artificial intelligence (AI) using programmable, AWS Deep Racers and drones.
Prerequisite(s): AP Computer Science Principles (can be taken at WHS)
College Credit: 3 credits, Java Programming, MCC

Cosmetology Pathway

Cosmetology is a high demand profession with a strong employment outlook. The State of New Hampshire requires 1500 hours of education and clinical experience for licensing. Through partnerships with postsecondary cosmetology schools, students can earn up to 300 clinical hours over the 2-year CTE program. Students should have strong communication skills as this is a very social environment. Because clinical hours are accrued, all absences must be made up to account for lost hours. Students are responsible for obtaining an apprentice license ($25.00) and a cosmetologist's kit and mannequin ($150.00). Financial and fundraising assistance is available.

Cosmetology I **2.0 credits**
Grade 10-11
In Cosmetology I, students will be introduced to the cosmetology industry and associated careers. Students will work in a combined classroom and hands-on environment, learning safety and sanitation, hair cutting and styling techniques, nail technology and esthetics. A state-of-the-art cosmetology salon serves as the classroom for working with hair mannequins. All students are required to obtain a cosmetology apprentice license from the State of New Hampshire and purchase a cosmetology kit and mannequin head (approx. $150.00) financial assistance is available).

Cosmetology II **2.0 credits**
Grade 11-12
In Cosmetology II, students continue to improve and practice their skills from level 1 while learning more advanced hair cutting and styling techniques, coloring techniques and advanced esthetics such as facials and pedicures. Students will learn about the business of salon operations and ownership. Cosmetology II students will have the opportunity to work with customers in the salon. An additional cost for advanced tools may be required.
Prerequisite(s): Successful completion of Cosmetology I with a grade of C or better or teacher recommendation.
Apprentice Hours: Students can earn up to 300 apprenticeship hours toward their NH Cosmetology License.
IRC: Barbicide Certification

Culinary Arts and Hospitality Pathway

Do you love to cook? Do you enjoy serving people in your community and making them happy? Are you interested in a career that allows you to travel? Hospitality and tourism are one of the largest industries in New Hampshire and demand for quality trained cooks, chefs, managers, and servers is high. You will gain excellent industry experience in this highly hands-on program, learning your way around our state-of-the-art commercial kitchen and restaurant, and practicing fundamental cooking methods and hospitality principles. You will work with a team to operate the on- site restaurant as well as catering a variety of functions. Start your culinary education with us and prepare for an exciting career in the food service industry or take the next step following high school and advance your skills in an accredited and respected culinary or hospitality management program.

Culinary Arts I **2.0 credits**
Grade 10-11
In Culinary Arts I you will learn about kitchen safety and sanitation, culinary terminology, product identification, baking skills, knife skills and other culinary skills essential to the industry. You will work as a team preparing food for the Three Seasons restaurant and other catering and culinary functions. If you enjoy cooking and working with a fun team in a fast-paced environment, then culinary arts is for you. Opportunity in the culinary and hospitality business is endless and is a profession that you can practice anywhere in the world.
Prerequisite(s): Application

Culinary Arts II **2.0 credits**
Grade 11-12
In this course, you will build on your skills from year one and take on a leadership role in menu design, working brigade positions such as Sous Chef, dining room manager, expediting, and lead baker. Students assume all upper management positions within the kitchen, dining room, and bakery. You will further refine your skills and knowledge by completing a culinary arts electronic portfolio. This project serves to document your cooking, baking pastry and employability skills, as well as your knowledge of safety and sanitation. Students may also participate in after school functions and banquets.
Prerequisite(s): C or higher in Culinary Arts I or teacher recommendation
College Credits: 3 credits, Safety and Sanitation. Lakes Region Community College
IRC: SERV Safe Certification

.

Graphic & Digital Design Pathway

The Graphic & Digital Design program introduces students to all design fundamentals in preparation for careers in graphic and digital design. This program will develop the creativity, design knowledge and software skills necessary to be competitive within this industry. Students learn software, design principles, printing terminology, equipment, and design process skills to bring projects from concept to completion. The classroom environment is highly hands-on, project, and product-based, and provides students with many opportunities for authentic learning. Active design professionals will visit the classroom and all projects are simulating actual design work in the various environments in which design professionals are employed. Students are encouraged to maintain an open mind to explore pathways they may not have considered like UX/UI (user experience design/user interface design), package design, product design, and other design fields that stem from traditional graphic design knowledge.

Graphic & Digital Design I **2.0 credits**
Grade 10-11

This course provides a broad-based curriculum designed to include a range of learning activities associated within the graphic design industry from commercial print design to digital UX/UI mobility projects. All graphic design projects are industry standard and relevant to career success within today's in-demand job market of digital design. Skills developed include learning the principles and elements of art and design, typography, and color theory by using various industry standard software programs within the Adobe Creative Suite. Software skills focus on Adobe Illustrator, Photoshop, InDesign, XD, and potentially prototyping software as well. Through project-based learning, students will have the opportunity to work on a variety of design projects that will require the student to progress through the design process from research and inspiration to iteration. Students will learn to and participate in class critique sessions on a regular basis. As feedback and iteration are vital steps in the design process, students will engage with one another and the instructor to adapt to this skill. There will be some group focus around critical thinking problems, but mostly individual work will occur during this class to build portfolios and experience in varying project types. Students will have choice when it comes to project themes or topic direction. Students will also learn about the history of graphic design, the use of design in modern technology, and get exposure to the wide variety of career paths associated with graphic and digital design.

Prerequisite(s): Application

Graphic & Digital Design II **2.0 credits**
Grade 11-12

Graphic & Digital Design 2 is a continuation of understanding of the principles and elements of art and design using various industry standard software programs that were developed in GD&D 1. Through project-based learning, students will have more complex design projects to solve and build. These will include a variety of mediums ranging from print work like brochures, movie posters, magazine editorial design, banners, and logo creation to some digital work for on screen solutions for mobility and wearable devices like mobile applications, in-car interfaces and more. Students will continue to participate in class critique sessions. As feedback and iteration are vital steps in the design process, students will engage with one another and the instructor to develop this skill. Students will further evolve their design craft by being exposed to critical thinking problems, gathering feedback and data from users, running usability testing, and developing fully functioning solutions to complex problems. Additionally, students will have the opportunity to engage in live work jobs, completing real jobs for community members with client interaction. Students will be actively presenting their work and compiling it for portfolio purposes. Students will be exposed to the various career fields within design and have access to design professionals representing various industries.

Prerequisite: C or better in Graphic & Digital Design 1 or permission of instructor.

College Credit: 3 credits, Introduction to Graphic Design, GBCC

Engineering Pathway

The engineering pathway is designed for students interested in careers in engineering, engineering technician, advanced manufacturing, architecture, construction, CNC operation, CADD, and product design. The program is a blend of classroom and hands-on experiences designed to teach students the engineering process and fields associated with engineering. Students earn college credit from NHTI for each course completed.

Engineering I **1.0 credit**
Grade 10-11 (semester 1)
The first course in the engineering sequence, Engineering I will introduce you to basic engineering design principles and teach you how to digitally model and then physically create objects of your own; Learn to use advanced computer design software, 3D printers, and basic machinery and techniques in the fabrication lab. You will develop marketable, transferable skills useful in multiple career pathways.
Prerequisite: Successful completion of Algebra I
College Credit: 4 credits, Introduction to Engineering Design, NHTI

Engineering II **1.0 credit**
Grade 10-11 (semester 2)
The second course in the engineering sequence, Engineering II goes beyond the design step to teach you the skills needed to construct and test a prototype. Students learn build strategies and testing and analysis techniques while working on multiple hands-on projects and problems that integrate intermediate fabrication and solid modeling tools while learning how the world around you work. A focus will be on developing interpersonal and
team-based skills essential for career and college success.
Prerequisite: Successful completion of Engineering 1
College Credit: 4 credits, Principles of Engineering, NHTI

Engineering III **2.0 credit**
Grade 11-12 (yearlong)
This is the third course in the engineering sequence. This full-year course incorporates advanced manufacturing techniques and CNC operation into previously learned engineering skills and processes. Students will work on team-based capstone designs and develop working prototypes in the fabrication lab.
Prerequisite: Successful completion of Engineering II
College Credit: 4 credits, Computer Integrated Manufacturing, NHTI

Architecture and Structural Engineering 1 **1.0 credit**
Grade 10-12 (semester 1)
The first course in the Architecture and Structural Engineering sequence, ASE1 will introduce students to the basics of architectural design and structural engineering with a focus on residential design and structures. Students will learn the basics of architectural style, residential construction standards and structural modeling over the course of this semester long class. Students will also work with makerspace equipment to develop their 3D modeling, physical modeling, and structural design skills.
Prerequisite: C or better in Algebra 1
College Credit: 3 credits, NHTI

Architecture and Structural Engineering 2 **1.0 credit**
Grade 10-12 (semester 2)
The second course in the Architecture and Structural Engineering sequence, ASE2 will continue from ASE1, pursuing a deeper understanding of architecture and structural design language and technology with a focus on design and structures for commercial applications. Throughout this course, students will work on a culminating commercial design project where they will research community needs, relevant building codes, perform site work, perform structural loading analyses, and ultimately design a green community center.
Prerequisite: C or better in Architecture and Structural Engineering 1
College Credit: 3 credits, NHTI

Health Science Pathway

The health care industry is one of the top 3 industries in New Hampshire and abroad. The employment opportunity is vast in this diverse field of study. This outstanding program will prepare you for a variety of healthcare jobs. Our program completers are highly successful and typically go on to be nurses, EMT's, physicians, occupational and physical therapists, pharmacists, and physician's assistants to name a few.

Health Science Technology I **2.0 credits**
Grade 10-11
Health Science Technology is a two-year program for juniors and seniors who are interested in pursuing a career in the healthcare field. During the first year we will concentrate on establishing a strong foundation in anatomy and physiology, safety issues, infection control and career exploration. Students are eligible to receive 3 college credits in medical terminology from Manchester Community College. Classroom activities include lectures, poster presentations, internet projects, competitive games, anatomy labs and audio-visual learning related to diagnosis, treatment, and prevention of disease. Skills components include vision and hearing testing, vital signs, (temperature, pulse, respiration, and blood pressure), gown, glove and hand washing techniques as well as training in taking EKGs. The clinical experience for first year students includes vision and hearing testing at local elementary schools and Salem High School. Students also can have an opportunity to assist in the annual "sport physicals" offered through the Athletic Department. Students interested in pursuing any career in healthcare would benefit greatly from this course.
Prerequisite(s): Grade of B- or better in Biology
College Credit: 3 credits, Medical Terminology, MCC

Health and Science Technology II (EMT, LNA, MA) **1.0 credit**
Grade 11-12
Health Science Technology 2 continues with the completion of studies in anatomy and physiology, pathophysiology, infectious disease, and safety training. American Heart Association CPR certification is provided to all level two students. During the second semester, students choose to participate in one of three clinical rotations: Emergency Medical Technician (EMT), Nursing Assistant (NA), or Allied Health Community Internship (MA). The EMT and NA program require both classroom and clinical rotations at the Salem Fire Department or the Northeast Rehabilitation Hospital. These rotations will require some weekend and evening clinical hours. Upon successful completion of the EMT or NA program, and the corresponding state licensing exam, licensing will occur. Students in the NA program are responsible for coordinating and assisting with an annual blood drive. Students enrolled in the Allied Health Community Internship program (NA) require both classroom hours and a four-month clinical rotation in the community with a preceptor of their choice. A clinical interview with the clinical preceptor is required for all students. At the end of the semester, students will have approximately 60 clinical hours of experience. Available community sites include agencies specializing in radiology, pharmacology, internal medicine, dental health, physical or occupational therapy and veterinarian medicine. Health Science Technology promotes responsibility, leadership, maturity, communication skills and professional behavior. Requirements: EMT course: EMT book and uniform approximate cost $150.00 – NA course: book and uniform approximate cost $100.00 – financial aid is available. EMT and NA students are required to have a covid-19 and influenza vaccine and pass a drug test prior to clinical. Nametag and immunization records with updated PPD within the year are also required.
Prerequisite(s): Grade of B- or better in HST I and teacher recommendation
IRC(s): Licensed Nursing Assistant (LNA), Emergency Medical technician (EMT), CPR

Teacher Education

Are you considering a career as a teacher or in the education field? This program will prepare you to work in a school, for any grade or subject. You will spend time in the classroom learning education theory and teaching strategies, working in the on-site preschool, or observing classrooms at various grade levels. If you are considering school counseling, speech or occupational therapy, special education or teaching, this program will give you excellent preparation for work in college.

Teacher Education I **2.0 credits**
Grade 10-11
Teacher Education I introduces students who are considering a career in any level of education-to-education history, theory, and methods of teaching. This course provides students with a basic understanding of and introduction to teaching and the education profession. The competencies and curriculum focus on education topics similar to those taught in a college course. The nature of this course requires mature, responsible, self-directed learners interested in pursuing a career in the education field. Emphasis will be placed on attendance, work ready skills, academic skills, and content. Teacher Education 1 also requires students to complete observation hours in a variety of classroom settings to reinforce the educational theory and practice addressed in class. These observations also provide students the opportunity to practice professionalism in behavior and expectations. This course earns 4 college credits from Southern New Hampshire University.
Prerequisite(s): It is recommended that students have a C+ or better in previous math and English classes.
College Credit: 4 credits, Foundations of Education w/ Lab, SNHU

Teacher Education II **2.0 credits**
Grade 11-12
Teacher Education 2 focuses on child growth and development. Theories relevant to individual stages of development are discussed and the sociological, cultural, and psychological aspects of human growth and development are studied. An overview of all developmental stages will be covered, and students will explain and discuss age and developmentally appropriate experiences for children, particularly in an educational context. Additionally, this course will introduce students to the principles and practices of assessment for teaching and learning. Topics include the types, benefits, and uses of formal and informal assessment as well as the ethical issues of assessment and grading. Students will create assessments aligned with standards-based content and understand what educators need to know about the goals, benefits, and uses of formal and informal assessment. Through classroom observations, students will identify developmentally appropriate use of classroom resources, procedures, and assessments. Students enrolling in Teacher Education 2 are expected to have mastered or be proficient in the basic teaching skills learned in Teacher Education 1.
Prerequisite(s): Grade of C+ or better in Teacher Education 1 or teacher recommendation
College Credit: 6 credits, Child Development, Assessment and Accountability, SNHU

Television & Media Production Pathway

TV and Video Production is a program designed for students who are interested in careers in the visual arts, broadcasting, and production. This highly hands-on, project-oriented program teaches you a multitude of skills and techniques which rivals many college programs. If you have an interest or passion for film, broadcasting, TV, and production, this is where you belong. Many of our graduates go on to lucrative jobs and careers in this profession.

Television & Media Production I **2.0 credits**
Grade 10-11
Television and Media Production I is designed to help you gain an understanding of the writing and technical skills required for quality video production. Emphasis will be on building a foundation through lecture, readings, writing, and video production. Completing this course will prepare you for the rigorous production work in level 2. You will utilize state-of-the-art television, computer, and multimedia equipment to produce quality media productions. Through interesting and thought-provoking project-based assignments, you will learn the basics of creating clear and concise multi-media presentations. You must be able to work well in a team environment as this class relies heavily on group work. Assignments will range from short films, PSA's, music videos and news production, and finished projects will air on our local educational channel, SLC-6 and our YouTube channel. Active class participation is mandatory, and you should be prepared to perform daily in front of and behind the camera. Students are expected to assist on some productions of after school sports and school-related events as part of the curriculum.
Prerequisite(s): Application
College Credit: 3 credits, Introduction to TV Production, GBCC

Television & Media Production II **2.0 credits**
Grade 11-12
Television and Media Production 2 is an advanced course that builds upon the skills gained in level 1 and exposes you to advanced concepts in television and multimedia production. You will assume the roles of writer, producer, director, actor, camera person, technical and audio director, and editor while applying organizational production skills to produce a weekly newscast among many other projects throughout the year. Projects are designed to solidify your skills. You will direct live studio productions as well as direct and produce ENG and EFP productions. You will demonstrate effective pre-production, production, and post-production skills using best practices all while reinforcing the fundamentals of digital video and broadcast journalism. You are expected to participate in extracurricular production work and assist Salem's SLC-6 channel with the videotaping of sports and school events as part of the curriculum. Students completing this course gain the skills and knowledge needed to advance into a college level program or seek gainful employment in a rapidly growing field.
Prerequisite(s): Grade of C+ or better in Television & Media I or teacher recommendation

Courses Offered at Pinkerton Academy

Animal Science

Introduction to Animal Science **0.5 credit**
Grade 11 only
This half-year (0.5 credit) course is designed for students who might be considering a career in some phase of animal science such as animal management/trainer, veterinary science, or agribusiness. Selected units of instruction will include zoonoses, reproduction, digestive systems, and nutrition of companion and livestock animals.
Note: Students take concurrently with Animal Management for the first semester.
Prerequisite(s): CTE Application

Animal Management **1.0 credit**
Grade 11 only
In this full-year (1 credit) course, students will learn how to successfully become prepared to work in an animal care facility by learning proper sanitation and care techniques of the small animals within the lab. Specific units of instruction will include but are not limited to proper animal husbandry of large and small animals, breeds of animals, careers in the animal industry, resumes, animal economics and All Aspects of Industry. College articulations may be available.
Note: Students take concurrently with Introduction to Animal Science for the first semester.
Prerequisite(s): CTE Application

Animal Health and Veterinary Technology **2.0 credits**
Grade 12 only
This full-year (2 credit) course meets every day. It is designed for students who are interested in a future career with animals in the health and veterinary technology field. Specific units of instruction will include but are not limited to introduction to veterinary technology, veterinary terminology, animal diseases, animal welfare ethics and treatment, animal first aid. Students will also learn how to properly groom canines and run a student CTE enterprise, The Pinkerton Pet Palace. College articulations may be available.
Prerequisite(s): Successful completion of Animal Management with a min. grade of 80 and permission from the CTE Director.

Electrical Technology

Electrical Technology I **2.0 credits**
Grade 11 only
This full-year (2 credit) course meets every day. It is the first half of a 2-year program designed to have the student gain the knowledge and skills necessary to successfully enter the field as an apprentice electrician. The student will acquire skills in all phases of residential wiring including basic electrical theory, safety, test equipment, blueprint reading and local code requirements. Students will complete calculations for normal residential circuits and special purpose wiring systems. This hands-on experience is accomplished in a simulated residential setting. Job searching skills as well as quality workmanship and professionalism will be an integral part of the classroom environment. Students will have the opportunity to obtain their OSHA 10 certification with successful completion of the course.
LAB FEE: Students will be required to obtain the NH Apprentice Electrical license-approximate cost is $30.
Prerequisite(s): CTE application and completion of Algebra 1A or B with a 75 or higher, or an 80 for Algebra 1C

Electrical Technology II **2.0 credits**
Grade 12 only
This full-year (2 credit) course meets every day. It is the second half of a 2-year program and intensifies, follows through, and elaborates on material covered in Electrical Technology 1. The course covers industrial, commercial installations and basic generator installation and maintenance. Students will also participate in the actual wiring, planning, cost estimation, NEC code requirements, and material acquisition needed to complete various projects. Students will learn how to use power tools, test equipment, specialty tools and control circuits used in the electrical field. Successful completion of the Electrical Technology 1 and 2 programs will credit the student with a portion of classroom and work hours required to obtain a Journeyman Electrical License.
Prerequisite(s): Completion of Electrical Technology 1 with a 75 or higher and permission from the CTE Director.
LAB FEE: Students will be required to renew their NH Apprentice Electrical license-approximate cost is $30.

Natural Resources

Environmental Science and Natural Resources I **2.0 credits**
Grades 11-12
This full-year (2 credit) course meets every day. It is for students who wish to explore and conserve both public and private habitats through a variety of real-life science applications. Activities in this course use science, planning, and geospatial technology to protect and restore forest ecosystems. This course will teach students how to conserve and sustain the forest to provide wildlife habitat, conserve soils, watersheds, and recreational opportunities. Students will gain skills and experience through a variety of engaging real life activities in the vast Pinkerton Academy outdoor and indoor classroom. Students will utilize class time to engage in outdoor activities throughout the seasons applying skills to both Pinkerton Academy's outdoor classroom and Forsaith Forest in Chester, NH. Students obtain Industry certifications in outdoor safety. College articulations are available. Related student organizations include FFA and SEA.
Prerequisite(s): CTE Application

Environmental Science and Natural Resources II **2.0 credits**
Grades 11-12
This full-year (2 credit) course meets every day. It is for students who wish to further their knowledge and skills in environmental science. Activities include analyzing and applying the skills acquired in classes like Biology, Environmental, Animal science and other ecological sciences. This course will teach students to apply knowledge to global ecosystems, native & invasive wildlife, and plants, drinking water and pollution. Students will deploy game cameras on campus to study and understand the diversity of Pinkerton. They will participate in a citizenship science project that focuses on responsible stewardship of the environment. There are many hands-on activities and chances to develop industry relations with maple syrup production, NH Fish and Game, NH Audubon, Manchester Water Works, and Forsaith Forest in Chester. Students will obtain Industry certifications in outdoor safety. College articulations are available. Related student organizations: FFA and SEA.
Prerequisite(s): Successful completion of Environmental Science and Natural Resources 1 and permission from the CTE Director.

Welding Technology

Welding Technology I **2.0 credits**
Grade 11 only
This full-year (2 credit) course meets every day. It is the first half of a 2-year program and is designed for anyone who wishes to learn welding and metal fabrication. Students are instructed in the safe operation of all tools, material handling and techniques used in welding. Areas of instruction include flame cutting, brazing, arc welding, and metal-fabrication. Personal protective equipment required to be worn.
Prerequisite(s): CTE Application

Welding Technology II **2.0 credits**
Grade 12 only
This full-year (2 credit) course meets every day. It is the second half of a 2-year program and intensifies, follows through, and elaborates on material covered in Welding Technology 1. Emphasis will be on entry-level job proficiency with gas welding, soldering, cutting skills with ferrous and non-ferrous materials, shielded electrode arc welding equipment, metal fabrication and power tools, metal inert gas (MIG) welding, and tungsten inert gas (TIG) welding. Modern welding techniques developed for aluminum and steel alloys will be skill options available to students. The focus will be on production, fabrication, and repair skills rather than home-type objectives. Personal protective equipment required to be worn.
Prerequisite(s): Successful completion of Welding Tech. 1 with a min. grade of 75 and permission from the CTE Director.

Air Force JROTC

Air Force Junior Reserve Officer Training Corps (AFJROTC) is a program designed to develop citizens of character dedicated to serving their nation and community. Each AFJROTC class consists of three components—aerospace science, leadership education, and a wellness program. Citizenship and character education, the heart of the curriculum program, is primarily embedded in the leadership education series of courses, while sense of service and education in science and technology related aerospace science is primarily found in the aerospace science series of courses.

To reinforce what is taught in the classroom, students participate in many outside activities such as field trips to military bases, aerospace facilities and industries, museums, civilian airports, and other areas related to aerospace education. AFJROTC units also offer the opportunity to participate in co-curricular activities to include drill and ceremonies, summer leadership schools, and honorary academic groups. Additionally, community service projects are a major part of the AFJROTC experience and help instill a sense of civic pride and citizenship. All cadets must properly wear the issued Air Force uniform and meet Air Force grooming standards. If they do not comply, they will be removed from the program.

JROTC - SCIENCE OF FLIGHT/COMMUNICATION AND LEADERSHIP **1.0 credit**
Grades 9-12
Forty percent of this course, Science of Flight, focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. Forty percent of the course, Communication and Leadership, focuses on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Twenty percent of the course is a wellness program that includes sports, physical training and testing, and informational sessions on developing a healthy lifestyle. This training satisfies select physical education requirements and as such, 0.25 credits will be granted towards the graduation requirement.
Prerequisite: None.

JROTC - MANAGEMENT OF THE CADET CORPS **1.0 credit**
Grade 12,
This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. This is a "hands-on" management course affording the cadets the opportunity to put the theories of previous leadership courses and the LE Management part of this course into actual practice. Cadets will plan, organize, coordinate, direct, and control the key events and activities of the cadet corps. Twenty percent of the course is a wellness program that includes sports, physical training, and testing to help develop a healthy lifestyle. This training satisfies select physical education requirements and as such, 0.25 credits will be granted towards the graduation requirement.
Prerequisite: Senior with at least two JROTC courses completed.

Co-Curricular Offerings

The following co-curricular activities are offered at Windham High School. Some of these activities are subject to change depending upon student interest. Students are encouraged to join multiple activities.

A Capella
Art Club
Association for Female Representation (AFR)
Baking Club
Band
Book Club
Chess & Board/Tabletop Games
Choir
Dance Team
Debate Club
Environmental Club
DECA
Fashion & Knitting Club
FBLA
French Honor Society
Greenhouse Club
GSA/LGBTQ+
Helping Paws
Jaguar Community Alliance JCA Club
JagSat
Jazz Band
Kicks 2 Give
KIND Club
Literary Magazine
Marine Science Team (Marine Biology)
Math Honor Society
Model UN
New England Math League (NEML)
Passport Club
Photography Club
SALT
Science National Honor Society
Science Olympiad
School Newspaper
Ski Club
SMILES
Social Justice Club
Spanish Honor Society
Student Council
Theatre
Tri M Honor Society
TV Club - Jagnet TV
US First
Volunteer Club
WHS Mathletes
WHS Pals
Yearbook

Athletic Offerings

Windham High School will offer a comprehensive athletic program. The following sports will be offered at Windham High School based on student interest:

	FALL	WINTER	SPRING
BOYS	Cheerleading, Cross Country, Fall Spirit, Football, Golf, Soccer	Alpine Ski, Basketball, Cheerleading, Diving, Ice Hockey, Indoor Track, Swimming, Winter Spirit, Wrestling	Baseball, Lacrosse, Track & Field, Volleyball, Tennis
GIRLS	Cheerleading, Cross Country Fall Spirit, Field Hockey, Golf, Soccer, Volleyball	Alpine Ski, Basketball, Cheerleading, Diving, Gymnastics, Indoor Track, Swimming, Winter Spirit	Lacrosse, Softball, Track & Field, Tennis

Important Policies

Residency

Windham High School students along with their parent(s) or legal guardian(s), must be residents of the Town of Windham. All registration documents must list a specific Windham Street address.

Notice of Nondiscrimination

The Windham School Board hereby notifies all parents/guardians and students that the Windham School District does not discriminate in any of its educational program, activities or employment practices on the basis of race, color, national origin, religion, age, gender, or disability under the provisions of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1967, Title IX of the Educational Amendment of 1972, Section 504 of the Rehabilitation Act of 1973, and the Education for all Handicapped Children Act of 1975. Any person having inquires, concerning compliance with the regulations implementing these laws may contact:

The Superintendent of Schools
Windham School District
19 Haverhill Road
Windham, NH 03087
Phone: (603) 845-1550

Any persons may also contact the Assistant Secretary for Civil Rights, U.S. Department of Education, or Director, U.S. Department of Education, Office for Civil Rights, Region I, Boston, Massachusetts.

Child Find Notice

As mandated by the Education for All Children Act, public schools must provide special education for all children determined to be educationally handicapped. The law also requires a school district to identify such children's birth through 21 years of age. This law applies to all children including those in non-public schools, pre-schools, and hospital settings.

If at any time, you suspect your child might have an educationally handicapping condition, you are encouraged to contact your child's school to discuss your concerns. School personnel will provide you with information on the procedure for determining if a child is educationally handicapped and in need of special education services.

For more detailed information about the policies, procedures, and services established in your school district for special education, the Windham School District Special Education Plan is available for review at the Superintendent's Office.

School Board Approved: December 2022