Program of Studies

Mount View High School
2024-2025

577 Mount View Road
Thorndike, Maine 04986
(207) 568-3255 Main Office
(207) 568-4605 Counseling Office
www.rsu3.org

MOUNT VIEW HIGH SCHOOL
Program of Studies

A Message to Students & Parents/Guardians

It's time to think about classes for the 2024-2025 academic year. We have added several new courses, and hope each student finds many offerings of value and interest. We hope that you are able to create a fulfilling schedule that challenges you and takes into account your own needs.

The Program of Studies lists all course offerings for the 2024-2025 school year. We hope that parents and students will consider all our offerings together. Both our teachers and our counseling staff will provide guidance and recommendations to help you make the best choices. Please be mindful that course offerings are dependent on enrollment; if the enrollment is too low, unfortunately, the course will not run.

Remember, both students and parents can monitor progress through Infinite Campus. If you ever have any questions or concerns, we encourage you to reach out to our teachers or counseling staff with an email or phone call. Please don't ever hesitate to schedule a parent meeting or speak directly to the principal with any concern.

We appreciate your time and effort in selecting courses for the upcoming school year, and hope that the process is easy. We certainly want you to feel a sense of excitement as you consider next year's possibilities. Thank you for your ongoing support of all the great programs and activities offered at Mount View High School!

Sincerely,

Tom Gray
Principal

MOUNT VIEW HIGH SCHOOL

RSU 3 VISION STATEMENT:

Every RSU 3 learner is prepared to be academically, socially, and emotionally successful in learning and life. RSU 3 is invested in what our learners know, what they are able to do, and what kind of citizens they are becoming.

EXPECTATIONS FOR OUR LEARNERS

Students are engaged, self-directed, future-focused, lifelong learners. Students are accountable to the expectations of a rigorous and dynamic curriculum based on clear learning targets. Every RSU 3 student is met at his/her developmental learning level, is challenged, and is empowered to reach personal success. Our students are supported by caring adults and peers within a safe learning environment.

THE LEARNING EXPERIENCE

Students utilize choice in how they learn and demonstrate excitement and understanding to gain ownership and investment in their own learning. Working at their individual maximum pace, students reach their full potential. Every RSU 3 student learns in different ways and time frames. In order to meet their diverse needs, instruction is customized to reflect learning styles and interests. Our proficiency-based system makes clear what students must demonstrate to show mastery. Learning targets are clear, easily accessible and diversely assessed.

OUR SCHOOL/OUR COMMUNITY

Students view the community as an extension of our schools; a place where they engage in a wide variety of opportunities to apply their learning. There is reciprocal involvement between schools and the community. RSU 3 is a direct reflection of our community. Every RSU 3 student is an informed, responsible and engaged citizen of the local and global community.

CORE VALUES

Mount View High School community, students and staff exhibit respect, kindness, responsibility and perseverance.

CORE BELIEFS

We believe following our core values encourages

- a positive safe environment
- students being career, college and life ready
- classrooms that connect students to their learning
- a strong work ethic
- honesty and integrity

VISION OF THE GRADUATE

Our graduates will be proficient in the Maine Guiding Principles:

- Clear and Effective Communicator
- Self-Directed and Lifelong Learner
- Creative and Practical Problem Solver
- Responsible and Involved Citizen
- Integrative and Informed Thinker

Graduation Standards & Requirements -- RSU 3 Policy IKF

Graduation Requirements

RSU #3 students must meet the credit and other graduation requirements specified in this policy in order to receive a diploma and participate in graduation.

The Superintendent, through the high school principal or other designee, shall be responsible for making accurate information concerning diploma requirements available to incoming students. This policy will be included in every edition of the high school handbook, the program of studies and other appropriate means determined by the school administration. The Board has approved the following schedule of requirements for graduation, which includes minimum requirements specified by the State of Maine.

The Board expects the Superintendent/designee to inform students and parents as soon as practicable of any additional State-imposed standards that must be met before students may be awarded a high school diploma.

1. Diploma Requirements for Students Graduating

   Students must meet the following requirements to receive a high school diploma:

   1. In order for a student to be considered a full-time student at Mount View High School, s/he must be enrolled and actively participating in a minimum of **6 credits per semester.** Students must successfully complete a total of 24 one-year course equivalents (credits) at the high school and achieve the content standards of the parameters for essential instruction required by State law and Department of Education regulations.

      - English Language Arts - 4 credits
      - Social Studies – 3 credits
      - Mathematics – 3.5 credits
      - Science and Technology – 3.5 credits
      - Visual and Performing Arts – 1 credit
      - Physical Education - 1 credit
      - Health – 1 credit
      - Career Education - .5 credit

      The remaining 6.5 credits may be selected by the student on the basis of his or her interests, abilities and plans following graduation.

   2. In addition to meeting the credit requirements and achievement of the content standards as described above, students must have documented community service for a minimum of 15 hours.

Students may earn credits and achieve the content standards through coursework as well as other learning experiences as allowed by law and high school guidelines.

Multiple measures may be used to demonstrate achievement including but not limited to exams, portfolios, performances, exhibitions, projects and community service.

Special education students may earn a diploma by fulfilling State and local requirements as specified by the goals and objectives of their Individual Education Plan (IEP).

All students must be enrolled in a minimum of six courses or their equivalent. The principal may waive this requirement when, in his/her judgment, extenuating circumstances warrant such a waiver.

Multiple Pathways to Earning of Credits:
Students may also demonstrate standards achievement in the content areas through multiple additional pathways, including but not limited to any combination of the following:

- Traditional coursework as outlined above
- Early college/dual enrollment courses
- Career and Technical Education
- Online/virtual learning
- Apprenticeships, internships, and/or field work
- Exchange Programs
- Independent Study
- Alternative Education
- Adult Education
- Summer school (must have taken class previously at MVHS)

Each pathway must provide a quality learning experience comparable in rigor to RSU 3's course offering. Any credits earned through alternative methods must be approved by the Department Chair of the content area for which the student is seeking credit, the student's school counselor, and the building principal.

Additional Considerations Applicable to the Awarding of a Mount View High School Diploma

1. Students Receiving Special Education Services
   In order to be awarded a high school diploma, students receiving special education services must meet the above-referenced requirements by the date in the post-secondary transition plan of the Individual Educational Plan (IEP). The student's IEP team may indicate alternate requirements and/or alternate methods of meeting the requirements for a diploma.

2. Transfer Students and Home-schooled students
   For students who transfer to Mount View High School from another state or an educational program, the High School Principal shall determine which graduation requirements have been met, as well as any areas that require continued study.

3. Delayed Awarding of Diplomas
   A student who leaves Mount View High School to attend an accredited, degree- granting institution of higher education may upon satisfactory completion of the freshman year be awarded a high school diploma.

4. Early Awarding of Diplomas
   A student who has met the State's and the RSU 3 School Board's diploma requirements in fewer than four years of high school may be awarded a diploma with prior written approval from the principal.

5. Special Recognition
   All students at Mount View High School are eligible to receive special recognition for academic achievement. To achieve honor roll status, a student must be enrolled in a minimum of six classes and pass each class with a grade of 85% or better. In addition, graduating seniors may be recognized by their class rank based upon grade point average calculated after seven semesters.

Course Registration and Change Process

Course Registration Process

The course registration process begins during the second semester of each school year. During this time, students choose their classes for the following academic year, with the help and recommendations made by their teachers, parents, and school counselor. **Students must register for a minimum of six credits each semester to be considered full-time.**

Students receive a Course Selection Form and Program of Studies through Advisory to choose courses for the following year. Students must request that current teachers to initial the form indicating their recommendation for the student to take a particular course. If a teacher does not recommend a student for a course, the student's parents may request the student be placed in this course through the Course Override Form (if the prerequisites are met). Student and parent signatures are required on the Course Selection Form representing their commitment to the courses selected. The master schedule for the school is then developed based on student selections. It is critical that students return the Course Selection Form to the Counseling Office by the deadline. The student should see their school counselor with any questions or concerns.

Please Note: *Some courses that are described within the Program of Studies may not be offered. Also, we cannot guarantee to fulfill all individual student/parent requests. We will do the best we can to meet requests.*

Course Changes and Course Withdrawals

Once the school year begins, course changes will be limited to the placement issues or schedule conflicts. All student-initiated changes must occur within the first five days of the course. No changes will be considered without extenuating circumstances and the approval of the teacher of that course, parent, and counselor. In such cases, the principal must be notified. The principal may also approve a course drop or addition at any time if, at their discretion, circumstances warrant this. A student who gains permission to drop a course after the five-day period will have that course shown

on their transcript as withdraw failing, withdraw passing or withdraw, depending on the circumstances.

Second Semester Add/Drop: Second Semester courses may be changed during the Add/Drop period at the beginning of the second semester. Students have five days at the beginning of the second semester to add/drop ONLY second-semester courses.

Multiple Pathways

Independent Project/Study
The Independent Project/Study option is open to students who wish to seek advanced study in a particular field. Credit may vary, depending upon the academic quarter/semester/year in which the Independent Project/Study was successfully completed. **A written proposal approved by the Teacher Sponsor must be submitted through the online Independent Study form,** which can be accessed through the school website.

Internships
The goal of the internship experience is to better prepare students for work, post-secondary education, and citizenship. It is a genuine opportunity for students to merge their various interests and passions with their academic lives at school. It is also a vehicle for students to demonstrate their independence and complexity of thought as they build bridges from their high school careers to their future academic, professional, or vocational lives. The internship experience may vary in length, but is typically a Semester or Full Year course fulfilling elective credit. Each intern is expected to complete a student commitment form, employer evaluation, and journal. Internships are non-paid and are considered a career exploration and preparation activity. Students who are interested in an internship need to be in contact with the RSU 3 volunteer coordinator. Credit is given based on the length of the internship.

Outside College Courses
Students may take courses through accredited colleges and universities and apply credits earned through those colleges toward graduation from MVHS. Please note that in these cases, the term, “credit,” does not connote the same meaning from a high school to a college context. In terms of credit earned, a typical, one-semester college course (which would earn 3 credits from a college), will equate to a one-year course at MVHS (or one whole MVHS credit).

Dual Enrollment
Dual enrollment is a program that allows high school students (usually juniors and seniors) to enroll in college courses for credit prior to high school graduation. College credits earned through dual enrollment can be simultaneously applied toward high school and college graduation and can be transferred to other colleges or universities. MVHS currently has dual enrollment agreements with several Maine colleges and universities. These courses are taken at Mount View High School, taught by MVHS teachers, and are free. These courses are figured into the GPA calculation. See Section 2 for the dual enrollment course descriptions.

Early College Opportunities

Early college opportunities require a separate application as well as a letter of recommendation from the student's school counselor. Each program has specific participation requirements. Students are responsible for purchasing books and supplies. Applications can be picked up in the Counseling Office. Students should work with their counselor to sign up well in advance of each semester.

Please note that in these cases, the term, "credit," does not connote the same meaning from a high school to a college context. In terms of credit earned, a typical, one-semester college course (which would earn 3 credits from a college), will equate to a one-year course at MVHS (or one whole MVHS credit).

Aspirations Program (University of Maine System, Maine Community College System, and Maine Maritime Academy)

- Students must have junior or senior class standing
- Students must have a B or better academic average
- Students may enroll in a maximum of 12 college credits per school year, between dual-enrollment courses and Aspirations classes
- Courses at the eligible institutions maybe on-site OR online (each site is different)

Husson University:

- Students must have junior or senior standing; may begin the summer between sophomore and junior year
- Students must have a grade point average of 80 or higher
- Students can select courses from a specific list

Waldo County Technical Center

WCTC is committed to providing quality technical education programs and appropriate skills for employment and post-secondary education for the students of Waldo County. Through direct application of concepts in projects, students can gain a deeper appreciation and understanding of their subject. See Section 2 for detailed course descriptions.

AP4ALL

AP4ALL is offered by the Maine Department of Education to provide online Advanced Placement courses free of charge to any student residing in a Maine school administrative unit who is educated at the public expense. By offering AP courses online at no charge, AP4ALL provides equity of access to rigorous and challenging coursework for all Maine public high school students regardless of where they live, or the limits of resources available in their local school. For more information about AP4ALL, and specifically about the student registration process, please go to http://www.ap4all.org.

Online Learning Platforms

The following circumstances are appropriate for students to earn MVHS credits through online learning platforms (such as Edgenuity) to count toward graduation requirements:

- **Credit Recovery**- Students who have previously taken a class at MVHS and have failed, but earned a final average (semester for a one-semester course, year for a year-long course) of at least 50, with approval from the school counselor, the department head, and the principal. This credit recovery option is available for no more than 3 courses. This option may be delivered through summer school.

- **Alternative Education-** Students who are enrolled in the MVHS Alt. Ed. program may earn credits through online learning platforms with the permission of the Alternative Education teacher, the school counselor, and the principal.

- **Elective Credit toward regular graduation-** students may earn up to 2 elective credits to count toward MVHS graduation requirements through online learning platforms, with permission from the student's school counselor, head of the appropriate department, and the principal. Such elective credits must be for subjects/classes that are not offered as in-person classes in the MVHS Program of Studies.

- **Early Graduation-** students who intend to graduate early may earn up to 2 credits necessary for early graduation through online learning platforms (including in lieu of required courses). The following stipulations apply:

    - The student must submit an early graduation plan by the end of the spring semester of their sophomore year, and this plan must include the proposed online learning experiences;
    - The student cannot use online learning classes in lieu of traditional courses offered at MVHS if the Early Graduation plan can be fulfilled through traditional course options;
    - The principal and the head of the department for the subject area of the proposed online learning experience(s) must approve the use of the proposed online learning experiences.
    - The overall Early Graduation Plan must be approved by the principal, the student, the students' guardian(s), and the student's school counselor.

- **Individualized Education Plan (IEP) or 504 Accommodation Plan-** IEP Teams and 504 teams may consider online learning platforms as a method for delivering instruction on a case-by-case basis, depending on individual student needs.

<u>Maximum of 4 Credits Allowed</u>

Online learning platforms may enhance, but can certainly never replace, dynamic, in-person instruction. With this in mind, no student shall be permitted to use online learning platforms to earn more than 4 credits toward a diploma from MVHS. Exceptions may be made in the case of IEPs or 504 plans.

Early Graduation Procedures

Students who wish to graduate from Mount View High School in less than four years must have a clear plan of action and meet all the graduation requirements outlined in the Program of Studies. Requests to graduate in three years should be made in a timely manner. Students who meet the requirements for early graduation and the GPA standard will be eligible to receive honor cords for display during graduation ceremonies. Early graduates will not be considered in the senior class rank. Any exceptions to this timeline require the approval of both the principal and counselor.

To graduate early, the student must:

1. Meet with his/her school counselor to discuss goals and a plan for early graduation.
2. Complete the Early Graduation Request Form.
3. Provide a written proposal to the counselor for review outlining how all graduation requirements will be met. The proposal should also include a formal post-secondary plan.
4. Schedule a meeting with the principal, counselor, and his or her parent/guardian to review the early graduation request.
5. The "Early Graduation Plan" must align with all district and school policies regarding the earning of credits and be approved by the student, parent/guardian, principal, and counselor.
6. Students must maintain passing grades in all MVHS courses or the plan will be subject to review.

Students needing additional information about this process should schedule a meeting with their counselor.

Academic Planning and Your Personalized Learning Plan

All students are encouraged to develop a four-year academic plan to ensure that all graduation requirements are met and courses needed to pursue post-secondary goals are included. Subject requirements/recommendations for various colleges and career programs are listed below and should be considered when developing a four-year plan. Since these requirements change and often differ between colleges, students are encouraged to consult with their school counselor, check college catalogs, and/or communicate with the college admission office directly.

Sample Four-year College Recommendations:

ACADEMIC MAJOR	ENGLISH	SCIENCE	MATHEMATICS	SOCIAL STUDIES	WORLD LANGUAGE
Liberal Arts	4 years	Earth Science, Biology & Physical Science	Algebra I, Algebra II, Geometry & Senior-Year Math Recommended	3-4 years	2-3 years of the same language
Technology/ Business	4 years	Earth Science, Biology & Physical Science	Algebra I, Algebra II, Geometry & Pre-Calculus or Statistics	3 years	2-3 years of the same language
Engineering/ Computer Science	4 years	Earth Science, Biology & Chemistry, Physics	Algebra I, Algebra II, Geometry, Pre-Calculus or Statistics	3 years	2-3 years of the same language
Health Sciences	4 years	Earth Science, Biology & Chemistry, Physics	Algebra I, Algebra II, Geometry & Pre-Calculus, Calculus or Statistics	3 years	2-3 years of the same language

Sample Two-year College Recommendations:

ACADEMIC MAJOR	ENGLISH	SCIENCE	MATHEMATICS	SOCIAL STUDIES	WORLD LANGUAGE
Liberal Arts	4 years	Earth Science, Biology & Physical Science	Algebra I, Algebra II, Geometry & Senior-Year Math Recommended	3-4 years	2 years of The same language
Technology Careers (Welding, Automotive, Carpentry, Construction Management, Plumbing, Electrical, etc.)	4 years	Earth Science, Biology & Physical Science	Algebra I, Algebra II, Geometry & Senior-Year Math Recommended	3 years	Optional
Health Sciences	4 years	Earth Science, Biology & Physical Science	Algebra I, Algebra II, Geometry & Senior-Year Math Recommended	3 years	2 years of The same language

COURSE LISTINGS AND PROGRESSIONS BY DEPARTMENT

ENGLISH

English I (Fall)	½
English I (Spring)	½
Honors English I (Fall)	½
Honors English I (Spring)	½
English II (Fall)	½
English II (Spring)	½
Honors English II (Fall)	½
Honors English II (Spring)	½
English III (Fall)	½
English III (Spring)	½
English IV (Fall)	½
English IV (Spring)	½
Creative Writing	½
Exploring the Holocaust through Literature and Film	½
Journalism (Fall)	½
Journalism (Spring)	½
Literature through Music	½
Mythology and Fairy Tales	½
Speech and Debate	½
Visual Literacy	½
Women and Gender Studies	½
AP English Language and Comp	1
AP English Literature and Comp	1
College English 101: College Writing	1 MVHS and 3 College

English Language Arts (4 required credits)

Graduation Requirements	**Electives**
Year #1: English I or Honors English I (Fall and Spring) Year #2: English II or Honors English II (Fall and Spring) Year #3: English III (Fall and Spring) or AP Lang Year #4: English IV (Fall and Spring) or AP Lit or ENG 101: College Writing	Creative Writing Journalism (Fall and/or Spring) Mythology and Fairy Tales Speech and Debate Literature Through Music Exploring the Holocaust through Literature and Film Visual Literacy Women and Gender Studies

MATHEMATICS

Algebra I, Part I	1
Algebra 1, Part II	1
Algebra I	1
Honors Algebra I	1
Geometry	1
Honors Geometry	1
Algebra II	1
Honors Algebra II	1
Statistics	½
Business Math	1
Digital Photography and Marketing	1
Personal Finance/SAT Prep	½ each
AP Computer Science Principles	1
College Algebra & Pre-Calculus	1 MVHS and 6 College
College Calculus I & II	1 MVHS and 6 College
College Statistics	1 MVHS and 3 College

Mathematics (3.5 required credits)

Graduation Requirements	**Electives**
Year #1: Algebra I, Part I OR Algebra I Year #2: Algebra I, Part II OR Geometry Year #3: Geometry OR Algebra II **OR Business Math** OR ***WCTC Integrated Credit (only if Geometry credit has been earned)*** Year #4: *(Required for the class of 2025 and beyond)* Statistics and Probability or TC Statistics	TC Calculus I & 2 TC Algebra & Pre-Calculus Digital Photography and Marketing Business Math Personal Finance/SAT Prep

SCIENCE

Earth Science with Lab (Fall)	½
Earth Science with Lab (Spring)	½
Honors Earth Science with Lab (Fall)	½
Honors Earth Science with Lab (Spring)	½
Biology (Fall)	½
Biology (Spring)	½
Honors Biology (Fall)	½
Honors Biology (Spring)	½
Physical Science (Fall)	½
Physical Science (Spring)	½
Chemistry with Lab (Fall)	½
Chemistry with Lab (Spring)	½
Physics with Lab (Fall)	½
Physics with Lab (Spring)	½
Anatomy and Physiology (Fall)	½
Anatomy and Physiology (Spring)	½
Astronomy	½
Environmental Science (Fall)	½
Environmental Science (Spring)	½
Meteorology	½
Ocean Science	½
Practical Physics (Fall)	½
Practical Physics (Spring)	½
UMFK College Chemistry w/Lab	1½ MVHS and 4 College
UMFK College Physics w/Lab	1½ MVHS and 4 College

Science (3 required credits)

Graduation Requirements	**Electives**
Year #1: Earth Science or Honors Earth Science (Fall and Spring) Year #2: Biology or Honors Biology (Fall and Spring) Year #3: Chemistry with Lab (Fall and Spring), or Physical Science (Fall and Spring), or Physics with Lab (Fall and Spring)	Anatomy and Physiology (Fall and Spring) Astronomy Env. Science (Fall and Spring) Meteorology Ocean Science Practical Physics (Fall and Spring) UMFK Chemistry w/Lab UMFK Physics w/Lab

SOCIAL STUDIES

The World and its People (Fall)	½
The World and its People (Spring)	½
Advanced The World and its People (Fall)	½
Advanced The World and its People (Spring)	½
American Studies I (Fall)	½
American Studies I (Spring)	½
American Studies II (Fall)	½
American Studies II (Spring)	½
World Geography	½
History of Maine	½
Economics	½
History Through Film	½
AP World History: Modern	1
College U.S History I & II	1 MVHS and 6 College
College Intro to Government	1 MVHS and 3 College
College Psychology	1 MVHS and 3 College

Social Studies (3 required credits)

Graduation Requirements	**Electives**
For the Classes of 2025, 2026, and 2027: Year #1: The World and Its People (Fall and Spring) or Advanced the World and Its People (Fall and Spring) Year #2: American Studies I (Fall and Spring) or College US History I and II Year #3: American Studies II (Fall and Spring) or College Intro to Government *For the Class of 2028 and beyond:* Year #1: The World and its People (Fall and Spring) or Advanced The World and its People (Fall and Spring) Year #2: One credit of a course that meets the US History requirements (not yet reflected in this Program of Studies). Year #3 or #4: Any combination of one credit of additional Social Studies courses offered at MVHS.	Economics Maine History World Geography AP World History: Modern History through Film College Intro to Psychology

ALTERNATIVE EDUCATION **Credit Varies**

CAREER EDUCATION

JMG: Preparing for Your Future	½
JMG Career and College Exploration	½
JMG Freshman/Sophomore	½

Career Education (.5 required credit)

Reporting Indicator and Standards Course	**Electives**
Students must take .5 credit of Career Education- any of the three electives to the right.	JMG Frosh/Sophomore JMG Preparing for Your Future JMG Career and College Exploration

HEALTH AND PHYSICAL EDUCATION

Health I	½
Health II	½
Child Development	½
Family and Consumer Science	½
Physical Education I	½
Physical Education II	½
Student Instructor for Physical Education	½

Health (1 required credit)

Reporting Indicator and Standards Course	**Electives**
Course #1: Health I	Child Development
Course #2: Health II	Family and Consumer Science

Physical Education (1 required credit)

Reporting Indicator and Standards Course	**Electives**
Course #1: Physical Education I	Student Instructor for Physical Education
Course #2: Physical Education II	

STEM (INTERDISCIPLINARY– SPANNING MULTIPLE DEPARTMENTS)

Note- Any of these courses will fulfill the graduation requirement for .5 STEM credit

Introduction to Innovation Engineering	1 MVHS and 3 College
AP Computer Science Principles	1
STEM Lab	½

STEM (.5 required credits)

Graduation Requirements	**Electives**
Students must take .5 credit of STEM- any of the three electives to the right.	STEM Lab Introduction to Innovation Engineering AP Computer Science Principles

VISUAL AND PERFORMING ARTS

Art 1	½
Pottery	½
Drawing and Painting	½
Photography	½
Advanced Art	1
Video Production	½
Concert Band	1
Chorus	1
Chorale	1
Chamber Singers	1
Music Theory I	½
Music Theory II	½
Music Appreciation	½
Piano I	½
Piano II	½
Guitar I	½
Guitar II	½

Visual and Performing Arts (1 required credit)

Courses that Meet Graduation Requirement	**Electives**
Art 1 or Concert Band or Chorus or Chorale or Chamber Singers or Music Appreciation or Video Production or Piano I or II or Guitar I or II	Pottery Drawing/Painting Photography Advanced Art Music Theory I Music Theory II

WORLD LANGUAGE

German I	1
German II	1
German III	1
German IV	1
Spanish I	1
Spanish II	1
Spanish III	1
Spanish IV	1
World Language and Culture Exploratory	½
Seal of Biliteracy	½ to 1

World Languages (0 required credits)

Reporting Indicator and Standards Course	**Electives**
None	German 1→ German 2 → German 3 → German 4 Spanish 1 → Spanish 2 → Spanish 3 → Spanish 4 World Language and Culture Exploratory

WALDO COUNTY TECHNICAL CENTER (see WCTC Program of Studies at the end of this Program of Studies)

Academic Math Program	1
Automotive Collision Repair	4
Auto Technology	4
Building Construction	4
Certified Nursing Assistant	4
Computer Careers	4
Culinary Arts	4
Diesel Technology	4
Electrical Trades	4
Employability Skills Preparation (ESP)	4
Explore Career and Technical Education (CTE)	2
Graphic Design	4
Small Engine & Outdoor Power Equipment	4
Strive	4
Welding	4

DUAL ENROLLMENT COURSES and AP COURSES (also listed by department)

College English 101: College Writing	1 MVHS and 3 College
College Chemistry w/Lab	1½ MVHS and 4 College
College Physics w/Lab	1½ MVHS and 4 College
College Algebra & Pre-Calculus	1 MVHS and 6 College
College Statistics	1 MVHS and 3 College
College Calculus I & II	1 MVHS and 6 College
College U.S History I & II	1 MVHS and 6 College
College Intro to Government	1 MVHS and 3 College
College Psychology	1 MVHS and 3 College
College Foundations of Education	1 MVHS and 3 College
Introduction to Innovation Engineering	1 MVHS and 3 College
AP English Language and Comp	1
AP English Literature and Comp	1
AP World History: Modern	1
AP Computer Science Principles	1

COURSE DESCRIPTIONS

ENGLISH

ENGLISH I (Fall) **½ Credit**

This course is an introduction to high school English where students will explore their minds and the world around them through reading, writing, and speaking. Students will learn proper usage of the English language and conventions, as well as theme, rhetoric, and plot. The central focus of this class will be on honing the narrative, opinion/argument, and informative writing skills of the students. This course is an exploration into English to start students' careers as lifelong learners who appreciate and understand the functions of English Language Arts as well as the practical application of the content area beyond the classroom.

ENGLISH I (Spring) **½ Credit**

English I Spring Semester is a continuation of English I Fall Semester. Students in this course will continue their work toward refining their skills and attaining mastery in English I standards.
Prerequisite: Previous enrollment in English I Fall Semester.

HONORS ENGLISH I (Fall) **½ Credit**

This course is much like English I, but the pace is faster and the expectations are greater with a more in-depth study of the material. Students should expect lengthy reading assignments, rigorous writing assignments, and to use deep thinking skills on all assignments in and outside of class. This course is offered as an alternative for the required "English I" and considers previous years' teacher recommendations.

HONORS ENGLISH I (Spring) **½ Credit**

Honors English I Spring Semester is a continuation of Honors English I Fall Semester. Students in this course will continue their work toward refining their skills and attaining mastery in English I standards.
Prerequisite: Previous enrollment in Honors English I Fall Semester.

ENGLISH II (Fall) **½ Credit**

English II involves a study of the contemporary world, classical, and American literature organized around the English department's core themes. Additional readings in poetry, nonfiction, and other fiction pieces may support any given focus of study. In addition, regular grammar and writing lessons help prepare students for standardized testing and for higher levels of English. Narrative writing is refined while students develop skills in opinion/argument writing. A research paper is also required through which the student must show progression in the standard of research and in expository writing.

Prerequisite: English I or Honors English I

ENGLISH II (Spring) **½ Credit**

English II Spring Semester is a continuation of English II Fall Semester. Students in this course will continue their work toward refining their skills and attaining mastery in English II standards.

Prerequisite: Previous enrollment in English II Fall Semester.

HONORS ENGLISH II (Fall) **½ Credit**

This course is much like English II, but the pace is faster and the expectations are greater with a more in-depth study of the material. Students must have proficient writing skills so that they may work toward developing a more sophisticated voice and style in their writing. Verbal and written analysis of literature at complex levels is expected. Students should expect lengthy reading assignments and will write literature-based essays, narratives, and research essays. This course is offered as an alternative for the required "English II" and considers previous years' teacher recommendations.

Prerequisite: English I or Honors English I.

HONORS ENGLISH II (Spring) **½ Credit**

Honors English II Spring Semester is a continuation of Honors English II Fall Semester. Students in this course will continue their work toward refining their skills and attaining mastery in English II standards.

Prerequisite: Previous enrollment in Honors English II Fall Semester.

ENGLISH III (Fall) **½ Credit**

The core of English III is a study of key themes in literature. Students will read and analyze a sampling of American and world literature, as well as novels of their choice. Writing builds upon previous skills, and there is an emphasis on developing a personal writing process through revision.

Prerequisite: Successful completion of English II or Honors English II

ENGLISH III (Spring) **½ Credit**

English III Spring Semester is a continuation of English III Fall Semester. Students in this course will continue their work toward refining their skills and attaining mastery in English III standards.

Prerequisite: Previous enrollment in English III Fall Semester.

ENGLISH IV (Fall) **½ Credit**

Students in English IV Fall Semester will be working toward refining their skills and attaining mastery in the standards required for graduation. Together, we will cover reading, writing, and language usage standards. Your work in the reading standards includes reading fiction and informational texts. Your work in the writing standards includes writing informative/explanatory pieces, opinion/argument pieces, and research writing. We will show our learning in a variety of methods including assignments, assessments, discussion, group work, and informal and formal presentations.

Prerequisite: English III or AP English Language and Composition.

ENGLISH IV (Spring) **½ Credit**

English IV Spring Semester is a continuation of English IV Fall Semester. Students in English IV will continue their work toward refining their skills and attaining mastery in the standards required for graduation. Evidence of learning will be shown through assignments, assessments, discussion, group work, and informal and formal presentations.
Prerequisite: Previous enrollment in English IV Fall Semester.

CREATIVE WRITING **½ Credit**

Creative writing is a course designed to have writers experiment and practice with their craft. We work with narrative, poetry, and a variety of fiction. There are writing standards that will help guide our work but because this is an elective course, proficiency on all will not be required to pass the course. This is an environment to share your writing while having discussions and getting constructive feedback from teacher and peers in order to improve.
Prerequisite: English I or Honors English I

EXPLORING THE HOLOCAUST THROUGH LITERATURE AND FILM **½ Credit**

This course introduces students to the use of primary historical resources to answer important questions about the Holocaust that still have relevance: Why would people participate? What role did bystanders play? Why didn't more people resist? Could anything have prevented it from happening? Why did Hitler also target Gypsies, homosexuals, and the disabled/ mentally challenged? Are there correlations between the actions during the Holocaust and bullying today? Students will journal their reactions and responses as we examine fiction, non-fiction, poetry, memoirs, and diaries. Through these, they will discover, accounts of survivors and victims, stories of resistance, accounts of rescuers and heroism, the German experience, America's role in the Holocaust. They will respond to documentaries, survivor testimony, and research through the United States Holocaust Memorial Museum, Yad Vashem, and Auschwitz websites. Throughout the course, students will explore how lessons learned from the atrocities of the Holocaust can be applied to today's world through honest examination of their own beliefs, potential stereotypes and prejudices, and their treatment of others.
Prerequisite: English I or Honors English I

JOURNALISM (Offered in Fall and Spring to ensure newspaper continuity) **½ Credit**

This course is designed for students interested in developing their writing skills and learning about the ever-evolving world of media. This course explores news and opinion writing and editing; the rights and ethical responsibilities of a journalist; and the power of the written word in modern society. Throughout this course, students will have the opportunity to research, write, and edit original articles using a variety of news structures. This course also emphasizes the skills and knowledge required to produce a newspaper and contributes to the production of the school’s online newspaper. Students will conduct interviews, write in a variety of journalistic forms, discuss editorial positions, and help produce and edit the newspaper.

LITERATURE THROUGH MUSIC **½ Credit**

Description: The concept of a literature through music course is to offer students access to knowledge and skills with music as it relates to literature. Students will gain knowledge of history and different cultures while also gaining writing and storytelling skills. Many genres of music will be studied and then lyrically broken down to identify figurative language and deeper meanings behind words. Music has been a means of passing on stories and information from generation to generation. Knowledge of music literature is important to understand the political and social landscape of a period to know how those factors influenced composers to write music as they did. Some of the music to be examined will be from the major compositions from the history of Western art music, including music of the Middle Ages, Renaissance, Baroque, Classical, Romantic, and 20th-Century.

MYTHOLOGY AND FAIRY TALES **½ Credit**

Students will be introduced to various types of ancient stories and study the patterns that influenced modern storytelling. This course introduces students to the study of myths, legends and fairytales from various cultures. Students will consider Greek, and Norse mythology as well as Grimm's fairy tales. The lasting power and influence of mythological themes and archetypal symbolism will be explored.

SPEECH AND DEBATE **½ Credit**

This course is designed to give students the opportunity to develop oral communication skills. In class, students will study the fundamentals of public speaking while planning, researching, composing, practicing, and delivering numerous formal and informal speeches. Students will also acquire listening skills, collaborate with classmates, and perform famous speeches. Students will also study basic debate format and participate in a debate.
Prerequisite: English I or Honors English I

VISUAL LITERACY **½ Credit**

Students will study various visual forms of media and analyze and evaluate the effectiveness of the various types. Visual forms of media can include film, print, photography, stage productions, short videos, graphic novels, graphic design, and more. These forms of media will be used to develop the student's ability to understand messages conveyed through images.
Course reserved for 11th and 12th graders. Prerequisites: Successful completion of English I and English II

WOMEN AND GENDER STUDIES **½ Credit**

This course is designed to give students the opportunity to begin studying and understanding gender-related experiences across the United States currently & historically. We will explore topics to help understand culture's potential assumptions & expectations of gender that students may not yet have been exposed to & may be exposed to upon entry into the world at large. In class, students might be presented with newspaper articles/advertisements, books, films, music, and more in order to meet the learning goals.
Prerequisite: Course reserved for 11th and 12th graders or those with permission from the instructor.

AP ENGLISH LANGUAGE AND COMPOSITION **1 Credit**

Students in this introductory college-level course will have previously demonstrated strong writing and analytical skills. Students consider a broad and challenging array of prose selections and image-based texts concerning a wide range of important subjects. Through close reading, frequent writing, and purposeful inquiry, students develop their ability to work with language and deepen their understanding of rhetoric and argument. Students work extensively with nonfiction, including essays, speeches, letters, memoirs, and other writings by authors such as Capote, Woolf, Lincoln, Swift, Twain, Orwell, and King. Students confer with teachers about their writing in class and outside of class. Students must demonstrate readiness to undertake introductory college-level study through achievement in previous high-school-level English courses. College-level credit or advanced college or university course placement may be earned depending on AP exam score and college or university policy. Summer work will be required prior to starting the course.
Prerequisite: Successful completion of Honors English II or English II

AP ENGLISH LITERATURE AND COMPOSITION **1 Credit**

This introductory college-level course is for students with an exceptional interest in and commitment to the study of imaginative literature: fiction, poetry, and drama. Students will have previously developed the strong writing and analytical skills that are needed for the careful study of literature at the introductory college level. Students consider and explore the features, meaning, and value of various literary texts and their relationship to contemporary experience as well as to the times in which they were written. Writing conferences are also held regularly outside of class time. Students must demonstrate readiness to undertake introductory college-level study through achievement in previous high-school-level English courses. College-level credit or advanced college or university course

placement may be earned depending on AP exam score and college or university policy. Summer work will be required prior to starting the course.
Prerequisite: Successful completion of English III or AP Language

ENGLISH 101: COLLEGE WRITING (University of Maine, Augusta) 1 Credit/3 Credits
College Writing builds upon already acquired high-school-level writing skills to prepare you for the more advanced writing that you will do in your college career and beyond. It gives you extensive practice in the writing process, with emphasis on crafting texts appropriate to academic contexts. This course meets Level 4 English standards at Mount View High School and earns a college transcript from the University of Maine at Augusta (UMA) for 3 credits upon successful completion. This course is weighted in GPA and rank in class.
Prerequisites: Successful completion of English (may include Honors and AP) I, II, and III.

AP ENGLISH LANGUAGE AND COMPOSITION 1 Credit
Students in this introductory college-level course will have previously demonstrated strong writing and analytical skills. Students consider a broad and challenging array of prose selections and image-based texts concerning a wide range of important subjects. Through close reading, frequent writing, and purposeful inquiry, students develop their ability to work with language and deepen their understanding of rhetoric and argument. Students work extensively with nonfiction, including essays, speeches, letters, memoirs, and other writings by authors such as Capote, Woolf, Lincoln, Swift, Twain, Orwell, and King. Students confer with teachers about their writing in class and outside of class. Students must demonstrate readiness to undertake introductory college-level study through achievement in previous high-school-level English courses. College-level credit or advanced college or university course placement may be earned depending on AP exam score and college or university policy. Summer work will be required prior to starting the course.
Prerequisite: Successful completion of Honors English II or English II

AP ENGLISH LITERATURE AND COMPOSITION 1 Credit
This introductory college-level course is for students with an exceptional interest in and commitment to the study of imaginative literature: fiction, poetry, and drama. Students will have previously developed the strong writing and analytical skills that are needed for the careful study of literature at the introductory college level. Students consider and explore the features, meaning, and value of various literary texts and their relationship to contemporary experience as well as to the times in which they were written. Writing conferences are also held regularly outside of class time. Students must demonstrate readiness to undertake introductory college-level study through achievement in previous high-school-level English courses. College-level credit or advanced college or university course placement may be earned depending on AP exam score and college or university policy. Summer work will be required prior to starting the course.
Prerequisite: Successful completion of English III or AP Language

ENGLISH 101: COLLEGE WRITING (University of Maine, Augusta) 1 Credit/3 Credits
College Writing builds upon already acquired high-school-level writing skills to prepare you for the more advanced writing that you will do in your college career and beyond. It gives you extensive practice in the writing process, with emphasis on crafting texts appropriate to academic contexts. This course meets Level 4 English standards at Mount View High School and earns a college transcript from the University of Maine at Augusta (UMA) for 3 credits upon successful completion. This course is weighted in GPA and rank in class.
Prerequisites: Successful completion of English (may include Honors and AP) I, II, and III.

MATHEMATICS

ALGEBRA I, PART I **1 Credit**

This is a full year, 1 credit foundational course that will cover the first half of the Algebra I standards as well as providing students the opportunity to build their computational thinking skills. Topics covered will include number sense, absolute value, graphing, operations with real numbers, algebraic expression, and functions.

ALGEBRA I, PART 2 **1 Credit**

This is a full year, 1 credit course and Algebra I part 1 is a prerequisite. Algebra I Part 1 and Part 2 are equivalent to taking Algebra I. In this course, the second half of the Algebra I standards will be covered. These topics include linear equations, systems of equations, exponents and polynomials, factoring polynomials, quadratic functions, and exponential functions.

ALGEBRA I **1 Credit**

This course will focus on problem-solving with extensive attention to word problems involving real-life applications and higher-order thinking skills. Topics include functions, signed numbers, evaluation of expressions, solving equations, combining like terms, linear equations, linear inequalities, uniform motion problems, data analysis, and systems of linear equations and systems of linear inequalities. Problem-solving skills are developed throughout the course.

HONORS ALGEBRA I **1 Credit**

This Honors Algebra I course is designed to provide students with an in-depth level of instruction and accelerated pace and a cooperative learning environment. The course guides students in the development of critical thinking skills and algebraic problem-solving skills which provide the foundation for real-world problem-solving. This course is targeted at highly motivated students who have strong math skills. Modeling and problem-solving are at the heart of the curriculum. Mathematical modeling consists of recognizing and clarifying mathematical structures that are embedded in other contexts, formulating a problem in mathematical terms, using mathematical strategies to reach a solution, and interpreting the solution in the context of the original problem. Students must be able to solve practical problems, representing and analyzing the situation using symbols, graphs, tables, or diagrams. They must effectively distinguish relevant from irrelevant information, identify missing information, acquire needed information and decide whether an exact or approximate answer is called for, with attention paid to the appropriate level of precision. After solving a problem and interpreting the solution in terms of the context of the problem, students must check the reasonableness of the results and devise independent ways of verifying the results. Common Core standards are taught and reinforced through the course.

Prerequisite: Teacher Recommendation

GEOMETRY **1 Credit**

This course will focus on problem-solving with extensive attention to word problems involving real-life applications and higher-order thinking skills. Topics deal with surfaces, points, lines, and angles in both two and three dimensions, polygon attributes, trigonometry, angles and properties of quadrilaterals, angles and properties of triangles, proofs, deductive reasoning, inductive reasoning, circle theorems, properties of parallel lines, surface area and volumes of 3-dimensional figures.

Prerequisite: Algebra I

HONORS GEOMETRY **1 Credit**

This Honors Geometry course is intended for highly motivated students who excel in math and who intend to continue their study of higher levels of mathematics in high school, and college. The honors course will take an in-depth look at creating geometric constructions for many of the geometric concepts covered in this course. Examples include but are not limited to constructing lines for the points of concurrency creating a circumcenter,

incenter, centroid, and orthocenter. This honors course will also have an increased emphasis on writing formal geometric proofs using deductive reasoning. This course will require students to be highly motivated, as the instruction will be faster-paced with an expectation of a higher level of understanding of all geometric concepts.
Prerequisite: Algebra I and a Teacher Recommendation

ALGEBRA II **1 Credit**
This course will focus on problem-solving with extensive attention to word problems involving real-life applications and higher-order thinking skills. Topics include the real number system, linear functions, complex number systems, exponents and rational exponents, factoring, polynomials, exponential functions, the transformation of functions, and absolute value functions.
Prerequisite: Geometry or with Instructor Approval

HONORS ALGEBRA II **1 Credit**
This Honors Algebra II course is intended for students who excel in math and who intend to continue their study of higher levels of mathematics in high school and college. This course is designed to expand upon the topics covered in Algebra I and Geometry to a deeper understanding. Topics that will be in this course; foundations for functions, quadratic functions, polynomial functions, exponential and logarithmic functions, rational and radical functions, probability, data analysis and statistics, sequences and series, trigonometric functions, trigonometric graphs and identities, and conic sections. This course will require students to be highly motivated, as the instruction will be faster-paced with an expectation of a higher level of understanding of all Algebraic and Geometric concepts.
Prerequisite: Geometry or Honors Geometry or with Instructor Approval

STATISTICS **½ Credit**
This course is an introduction to basic Statistics. It will include descriptive statistics, sampling techniques, data patterns, elementary probability, binomial distributions, discrete probability, and normal distributions. Real-world applications using technology will be an integral part of this course. A graphing calculator is suggested; the TI-83 Plus or TI-84 is recommended.
Prerequisite: Algebra I

BUSINESS MATHEMATICS **1 Credit**
This is a practical math course that applies basic math skills for solving everyday consumer financial activities. Topics include Money Records, Gross, and Net Pay, Regular and Overtime Earnings, Fringe Benefits, Commissions, Buying for You and Your Home, Home and Automobile Costs, Home and Auto Insurance, Taxes, Budgeting; Borrowing, Saving, and Investing Money. The use of a calculator will also be integrated into the problem work. Students are asked to have their own calculator to use in class. **Prerequisite: Geometry**

DIGITAL PHOTOGRAPHY AND MARKETING **1 Credit**
This course will enable students to learn about digital (portrait) photography as well as principles of marketing, as applied to the production of a yearbook, though these skills can be utilized in various ways. It will allow students to learn techniques used in photography, how digital cameras work, methods for interacting with businesses and customers, as well as how production deadlines work. Students will also have the opportunity to edit photos and create advertisements using various computer design programs.

PERSONAL FINANCE **½ Credit**
This course will explore the financial aspects of life after graduation. The course will discuss items such as personal monthly budget, taxes (per pay period and yearly), insurance (health, car and property), basic career research, banking basics, credit rating growth and retirement plans. The course will include outside presenters, who are

specialists on these topics, to bring another view point and answer real world questions. The object of the course is to give the opportunity to gain basic understanding of topics every citizen experiences in some way.

COLLEGE ALGEBRA & PRE-CALCULUS (Thomas College) 1 Credit/6 Credits
Algebra Portion: This course is presented as a functional approach to the algebra of the real number system with an emphasis on problem-solving. Fundamental concepts will be reviewed quickly followed by a rigorous schedule of topics that includes relations, functions, inverse functions, linear equations, and their graphs, systems of equations, polynomials, factoring, radicals, quadratic equations, and their graphs, complex numbers, and rational expressions. This course is weighted in GPA and rank in class.
Pre-Calculus Portion: This course is designed for college-bound students to help students think effectively and analyze issues logically. This is an advanced course for motivated students designed to provide a solid foundation for the study of Calculus. Basic strategies of thought and analyses are emphasized. These strategies are designed to help students deal with real-life situations. This course is designed as a transitional course between Algebra and more advanced college mathematics, particularly Calculus I/II. Topics covered include advanced algebra, exponential and logarithmic functions, trigonometric functions, identities, applications of trigonometry, and an introduction to analytic geometry. **Prerequisite: Successful completion of Algebra I and (Geometry or Honors Geometry) and (Algebra II or Honors Algebra II) and Teacher Recommendation**

CALCULUS I & II (Thomas College) 1 Credit/6 Credits
CALCULUS I Portion: This course is designed for the student who plans to study a field in college that is math-oriented or for the student who simply enjoys the challenge of a higher-level math course. The main topics covered in this course include limits, derivatives, and integrals. These topics and their applications will be investigated graphically, numerically, analytically, and verbally. This course is weighted in GPA and rank in class.
CALCULUS II Portion: This course is a continuation of College Calculus I and completes the study of single-variable calculus. Topics covered include methods of integration, indefinite integrals, hyperbolic functions, inverse trigonometric functions, differential equations, parametric equations, polar coordinates, and infinite series. This course is weighted in GPA and rank in class. **Prerequisite: Successful Completion of College Math or Pre-Calculus**

STATISTICS (Thomas College) 1 Credit/3 Credits
This is a survey course in applied statistical analysis through the use of observations, surveys, and graphical representations. Topics include analytical and graphical methods of collecting, summarizing, and describing data; basic probability laws, types, and distributions; interval estimation, techniques for comparing two or more populations and models for prediction. A graphing calculator is suggested; the TI-83 Plus or TI-84 is recommended. This course is weighted in GPA and rank in class. Prerequisite: Successful Completion of Algebra II **Prerequisite: Successful Completion of Algebra II**

SCIENCE

EARTH SCIENCE WITH LAB (Fall) ½ Credit
Earth science is the study of the earth and its place in space. It covers the subjects of astronomy and geology. In addition, there are physical science standards included in this class. Laboratory activities are designed as a learning experience and to prepare students for future science courses.

EARTH SCIENCE WITH LAB (Spring) ½ Credit
Earth science is the study of the earth and its place in space. It covers the subjects of meteorology and oceanography. In addition, there are physical science standards included in this class. Laboratory activities are designed as a learning experience and to prepare students for future science courses.

HONORS EARTH SCIENCE WITH LAB (Fall) ½ Credit
Students in Honors Earth science will explore topics in astronomy and geology. Students will learn to use science

vocabulary, perform investigations using the scientific method, and engage with the science surrounding them in their daily experiences. The class has a mixture of inquiry based assignments, lab activities, and tests.

HONORS EARTH SCIENCE WITH LAB (Spring) ½ Credit
Students in Honors Earth science will explore topics in meteorology and oceanography. Students will learn to use science vocabulary, perform investigations using the scientific method, and engage with the science surrounding them in their daily experiences. The class has a mixture of inquiry based assignments, lab activities, and tests.

BIOLOGY (Fall) ½ Credit
This class focuses on biology, the science of life. Topics to explore include cells & organisms and heredity & reproduction. Students will learn to use science vocabulary, perform investigations using the scientific method, and engage with the science surrounding them in their daily experiences. Proficiency will be demonstrated through tests, lab activities, and inquiry-based assignments. Students must demonstrate proficiency in biology to meet graduation requirements. **Prerequisite: Earth Science or Honors Earth Science**

BIOLOGY (Spring) ½ Credit
This class focuses on biology, the science of life. Topics to explore include biodiversity, evolution, and the environment. Students will learn to use science vocabulary, perform investigations using the scientific method, and engage with the science surrounding them in their daily experiences. Proficiency will be demonstrated through tests, lab activities, and inquiry-based assignments. Students must demonstrate proficiency in biology to meet graduation requirements. **Prerequisite: Fall Biology**

HONORS BIOLOGY (Fall) ½ Credit
This class focuses on biology, the science of life. Topics to explore include cells & organisms and heredity & reproduction. Students will learn to use science vocabulary, perform investigations using the scientific method, and engage with the science surrounding them in their daily experiences. This class will move at a faster pace and cover topics at a higher depth than fall biology. Proficiency will be demonstrated through tests, lab activities, and inquiry-based assignments. Students must demonstrate proficiency in biology to meet graduation requirements. **Prerequisite: Earth Science or Honors Earth Science**

HONORS BIOLOGY (Spring) ½ Credit
This class focuses on biology, the science of life. Topics to explore include biodiversity, evolution, and the environment. Students will learn to use science vocabulary, perform investigations using the scientific method, and engage with the science surrounding them in their daily experiences. This class will move at a faster pace and cover topics at a higher depth than spring biology Proficiency will be demonstrated through tests, lab activities, and inquiry-based assignments. Students must demonstrate proficiency in biology to meet graduation requirements. **Prerequisite: Fall Honors Biology**

CHEMISTRY WITH LAB (Fall) ½ Credit
This is the first in a sequence designed to introduce the student to the study of matter and its interactions. Both courses emphasize problem solving and laboratory experiences as students learn the basic concepts of chemistry. Topics in the first course include unit conversions, chemical formulas and equations, heat and specific heat, atomic structure, the periodic table, and the concept of the mole. Students are strongly encouraged to take this course if they are planning to pursue the study of any science or health field in college. **Prerequisite: Algebra I**

CHEMISTRY WITH LAB (Spring) ½ Credit
In this course students use the knowledge and skill acquired in the fall semester to explore new topics, which include stoichiometry, solutions, acids and bases, and gasses. The course continues to use problem solving and lab work to reinforce the concepts. Students are strongly encouraged to take this course if they are planning to pursue the study of any science or health field in college. **Prerequisite: Fall Chemistry**

PHYSICAL SCIENCE (Fall) ½ Credit
This is a one-semester course in the science of the structure of matter. Topics covered in the class are atomic structure, chemical bonding, kinetic theory, the periodic table, nuclear chemistry, and chemical reactions. Problem solving and laboratory exercises will be emphasized throughout the course.

PHYSICAL SCIENCE (Spring) **½ Credit**
This is a one-semester course in the science of motion, heat energy, and potential and kinetic energy. Investigations will include one and two-dimensional motion, Newton's laws, momentum, heat, specific heat, and transfer of energy. Problem solving and laboratory exercises will be emphasized throughout the course.

PHYSICS WITH LAB (Fall) **½ Credit**
This course will cover mechanics, which will include the study of motion, one and two-dimensional motion, the causes of motion, gravity, and Newton's laws. This course emphasizes problem solving and laboratory experiences as students learn the basic concepts of physics. **Prerequisite: Algebra I**

PHYSICS WITH LAB (Spring) **½ Credit**
This course will cover circular and rotational motion, conservation of energy, and momentum. This course emphasizes problem solving and laboratory experiences as students learn the basic concepts of physics. If time allows, topics such as light and electricity and magnetism will also be covered. **Prerequisite: Fall Physics**

ANATOMY AND PHYSIOLOGY (Fall) **½ Credit**
This course will explore the complex workings of the human body with an emphasis on body systems and current medical terminology. This course will provide a foundation for understanding the human body and prepare those looking for post-secondary education or careers in the medical field. Topics to explore include anatomical directions, histology, internal regulations, and the skeletal system. Proficiency will be demonstrated through tests, lab and dissection activities, and Inquiry-based assignments.

ANATOMY AND PHYSIOLOGY (Spring) **½ Credit**
This course will explore the complex workings of the human body with an emphasis on body systems and current medical terminology. This course will provide a foundation for understanding the human body and prepare those looking for post-secondary education or careers in the medical field. Topics to explore will involve the continuation of the body systems and applying skills medical professionals require. Proficiency will be demonstrated through tests, lab and dissection activities, and Inquiry-based assignments.

ASTRONOMY **½ Credit**
This course delves deeper into the earth and space systems through independent research and laboratory experiments. Some topics of research involve universe formation theories, dark matter, telescopes, and research of your own choice. The course will end with a practical application of astronomy by learning nautical astronomy and celestial navigation.
No prerequisite required

ENVIRONMENTAL SCIENCE (Fall) **½ Credit**
What are the natural factors of our environment? How do humans impact the environment, causing short and long-term challenges? Students will learn basic concepts by text and extend that knowledge through multiple forms of research. Discussions of local and world environmental issues demonstrate the complexity of environmental problems and the impact on Earth's natural resources.

ENVIRONMENTAL SCIENCE (Spring) **½ Credit**
What are the natural factors of our environment? How do humans impact the environment, causing short and long-term challenges? Students will learn basic concepts by text and extend that knowledge through multiple forms of research. Discussions of local and world environmental issues demonstrate the complexity of environmental problems and the impact on Earth's natural resources.

METEOROLOGY **½ Credit**
Learn about the atmosphere, weather, and climate through independent research and laboratory experiments. An in depth study of weather forecasting utilizing real time weather maps and local weather data will increase your understanding of weather. You will also have the opportunity to virtually circumnavigate the Atlantic Ocean using the latest weather applications used by sailors worldwide.

OCEAN SCIENCE **½ Credit**

Ocean Science is a semester-long course that deals with the physical and biological aspects of the ocean. The course will involve classroom lectures, labs, and independent and group project work. Students who enroll should have an interest in learning about all aspects of the ocean. Students will be doing several research projects, one of which will address the pertinent environmental concern. **Prerequisite: Biology**

PRACTICAL PHYSICS (Fall) **½ Credit**

During the fall semester you will learn physics concepts in a practical real-life manner through the study of ballistics. Become an expert marksman by understanding internal, transitional, external, and terminal ballistics. This practical hands on experience will improve your hunting skills by understanding the science behind the shooting sports.

PRACTICAL PHYSICS (Spring) **½ Credit**

During this spring semester course you will continue your learning to become an expert marksman through the understanding of optics and precision measurement applications. This will provide you with the ability to use technical manuals and high precision scientific equipment. You will also have many research opportunities around optics to help you better understand rifle scopes and their applications. You will also learn how to build high precision projectiles safely and cost effectively. **Prerequisite: Fall Practical Physics**

UMFK COLLEGE CHEMISTRY **1½ MVHS Credit/4 College Credits**

This dual-enrollment course is designed to be the equivalent of a general chemistry course taken during the first year of college. Topics studying the structure of matter include, but are not limited to chemical naming and formulas, chemical equations and reactions, atomic structure and periodicity, gasses, reaction rate, equilibrium, and thermodynamics. The class runs for the entire school year and instruction is delivered in the form of lectures and laboratories, with a lot of group work. Grading is based on examinations and laboratory work, including a laboratory notebook. The college credit offered is through the University of Maine at Fort Kent. **Prerequisite: Algebra II completed or in progress**

UMFK COLLEGE PHYSICS **1½ MVHS Credit/4 College Credits**

This dual-enrollment course is designed to be the equivalent of a general, algebra-based physics course taken during the first year of college. Topics include, but are not limited to kinematics, force and motion, momentum, rotational motion, torque, buoyancy, thermodynamics, energy, and simple harmonic motion. The class runs for the entire school year and instruction is delivered in the form of lectures and laboratories with a lot of group work. Grading is based on examinations and laboratory work. The college credit offered is through the University of Maine at Fort Kent.**Prerequisite: Successful Completion of Algebra II**

SOCIAL STUDIES

THE WORLD AND ITS PEOPLE (Fall) **½ Credit**

"The World and Its People" is a dynamic and engaging high school course that delves into the intricate tapestry of global regions, exploring their geopolitics and tracing the significant historical events that have shaped them. *Fall semester covers: the United States and Canada, Latin America, Europe, and "The Middle East" (North Africa, South Western Asia, and Central Asia).* This comprehensive course aims to foster a deep understanding of the diverse cultures, political landscapes, and historical narratives that define our interconnected world. This course is required for all students in the Class of 2028 and beyond and has no prerequisites.

THE WORLD AND ITS PEOPLE (Spring) **½ Credit**

"The World and Its People" is a dynamic and engaging high school course that delves into the intricate tapestry of global regions, exploring their geopolitics and tracing the significant historical events that have shaped them. *Spring semester covers: Africa (Sub-Saharan), South Asia, East Asia, Southeast Asia, and the Pacific World.* This comprehensive course aims to foster a deep understanding of the diverse cultures, political landscapes, and historical

narratives that define our interconnected world. This course is required for all students in the Class of 2028 and beyond and has no prerequisites.

ADVANCED THE WORLD AND ITS PEOPLE (Fall) ½ Credit
The same structure as the regular-level "The World and Its People" but this course engages students in more in depth content, more variety of sources, and different assessments. *Fall semester covers: the United States and Canada, Latin America, Europe, and "The Middle East" (North Africa, South Western Asia, and Central Asia).* This comprehensive course aims to foster a deep understanding of the diverse cultures, political landscapes, and historical narratives that define our interconnected world. This course is offered as an alternative for the required "World and Its People" and considers previous years' teacher recommendations. It has no prerequisites.

ADVANCED THE WORLD AND ITS PEOPLE (Spring) ½ Credit
The same structure as the regular-level "The World and Its People" but this course engages students in more in depth content, more variety of sources, and different assessments. Spring semester covers: Africa (Sub-Saharan), South Asia, East Asia, Southeast Asia, and the Pacific World. This comprehensive course aims to foster a deep understanding of the diverse cultures, political landscapes, and historical narratives that define our interconnected world. This course is offered as an alternative for the required "World and Its People" and considers previous years' teacher recommendations. It has no prerequisites.

AMERICAN STUDIES I (Fall) ½ Credit
In this course, American history from colonization through the ratification of the United States Constitution. Students will be assessed in a variety of ways including, but not limited to, tests, essays, projects, and presentations.This is a graduation requirement for the Classes of 2025, 2026, and 2027. It will not be offered in this format for the Class of 2028 and beyond.
Prerequisites: World Studies (Fall and Spring).

AMERICAN STUDIES I (Spring) ½ Credit
This is a graduation requirement. In this course, American history from the inception of the Constitution through the Civil War will be covered. Students will be assessed in a variety of ways including, but not limited to, tests, essays, projects, and presentations. This is a graduation requirement for the Classes of 2025, 2026, and 2027. It will not be offered in this format for the Class of 2028 and beyond.
Prerequisites: World Studies (Fall and Spring).

AMERICAN STUDIES II (Fall) ½ Credit
This is a graduation requirement. This course is designed to build upon the skills and content knowledge developed in American Studies I. The course will cover the time period following the Civil War through the Roaring 20s. Students will be assessed in a variety of ways including, but not limited to, tests, essays, projects, and presentations. This is a graduation requirement for the Classes of 2025, 2026, and 2027. It will not be offered in this format for the Class of 2028 and beyond. **Prerequisites: American Studies I (Fall and Spring)**

AMERICAN STUDIES II (Spring) ½ Credit
This is a graduation requirement. This course is designed to build upon the skills and content knowledge developed in American Studies I. The course will cover the time period following the Civil War through contemporary American history. Students will be assessed in a variety of ways including, but not limited to, tests, essays, projects, and presentations. This is a graduation requirement for the Classes of 2025, 2026, and 2027. It will not be offered in this format for the Class of 2028 and beyond. **Prerequisites: American Studies I (Fall and Spring)**

ECONOMICS ½ Credit
This course is to provide students with a solid understanding of economic principles, systems, and activities, in order to fully participate as a citizen in the U.S. Free Enterprise System. This focus is on the basic principles concerning

production, consumption, distribution, and services in the United States and a comparison with those in other countries around the world. The impact of a variety of factors including geography, the federal government, economic ideas from important philosophers and historic documents, societal values, and scientific discoveries and technological innovations on the national economy and economic policy is an integral part of the course.
Prerequisites: Grades 10-12

HISTORY OF MAINE **½ Credit**
Maine's history is forever bound up with natural resources above and below the land and sea, such as forests and fisheries. Maine's major economic activities-- lumbering, granite quarrying, shipbuilding, farming, paper-making, manufacturing, and tourism-- are usually tied in some way to these resources. Chief among these has always been the people of Maine, including the Wabakani and subsequent immigrant groups. This course examines the history of all Maine's peoples as they built economic, political, and social systems from pre-Colonial times to the present.
Prerequisites: Grades 10-12

HISTORY THROUGH FILM **½ Credit**
Since its birth, cinema has heavily impacted how the modern world views historic events. Do these portrayals enhance our understanding of actual events or inhibit them? Study 20th-century history using movies and analyze these as documents themselves, as well as the events they portray. This class is discussion-based and participation is required. **Prerequisites: Successful completion of at least World Studies.**

WORLD GEOGRAPHY **½ Credit**
The World Geography course familiarizes students with the world using the five geographic themes and essential elements. Students will develop skills and knowledge about location, place, human/environmental interaction, movement, and regions. The course compares and contrasts these themes across all continents. Special attention must be given to the most essential skills and knowledge of the discipline. The course focuses on geographic habits of mind to promote higher-level thinking and problem-solving. The course requires students to apply skills and knowledge to content information involving different regions of the world. The course should be rigorous and relevant to the instruction that integrates thinking skills, historical processes, and content so that students are able to apply the learning to their own lives. Students are able to apply their geographic knowledge to their community, state, nation, world, and themselves. Instruction should include the integration of concepts and principles from history, economics, geography, civics, and the humanities. **Prerequisites: Grades 10-12**

AP WORLD HISTORY: MODERN **1 Credit**
Offered either as an elective for upperclassmen or as the suggested prerequisite for Thomas College US History. Students in this course will survey world history and learn the skills to help them be successful on the AP exam.
Prerequisites: Successful completion of at least one year of high school Social Studies.

COLLEGE PSYCHOLOGY (UMF) **1 MVHS Credit/ 3 UMF Credits**
This course will cover topics such as: Developmental Psychology, Personality, Learning and Memory, Stress and Happiness, and Forensic Psychology. Students who are interested in pursuing a four-year degree are encouraged to sign up, as these credits will transfer toward your general education requirements. In this course, we will practice a lot of introspection, complete assessments, watch videos, and predominantly interact with the material through class discussion.
Prerequisites: 11-12 grade standing, unless Department Head approval is granted.

US HISTORY I and II (UMA) **1 MVHS Credit/6 UMA Credits**
This course will cover American history. Topics include both world wars, the Cold War, progressive moments in the United States, and contemporary foreign policy issues. Students should be prepared to work at a college level of rigor. This course meets American Studies II standards and earns a college transcript from Thomas College for 6

credits upon successful completion. This course is weighted in GPA and rank in class. **Prerequisites: Successful completion of World Studies I (recommended Honors World Studies I), 10-12 grade standing.**

INTRO TO GOVERNMENT (UMA) **1 MVHS Credit/3 UMA Credits**

Offered through the dual enrollment program with Thomas College, this class is an option either as an elective or required for students who take Thomas College U.S. History in replacement for their ASI credit. Students will learn about the features of governments, the history of political theory, and the role of citizens in a democracy. **Prerequisite**: **Successful completion of at least one American History course (ASI or College U.S.), and 11-12 grade standing.**

ALTERNATIVE EDUCATION

Credit Varies

The Alternative Education Program at Mount View High School provides a supportive learning environment for at-risk 11th and 12th-grade students with a strong focus on project-based learning and community connections. Projects are designed around a standards-based curriculum with the goal of meeting graduation requirements. Emphasis is given to the social, emotional, and physical well-being of each student. Through an Individualized Academic Plan, students meet academic needs during one-on-one and small group interactions. Grading expectations are based on academics (40%), attitude & respect (20%), effort (20%), and attendance (20%).

Student eligibility is based on insufficient graduation credit requirements. Transcripts, disciplinary infractions, and attendance history are assessed to determine whether students will be enrolled. Those who strongly demonstrate a positive attitude, determination, and ability to work independently to achieve goals are accepted. Students in the Alternative Education program are required to exhibit a commitment to success, willingness to work with others, and ongoing academic progress. At the end of their first year in the program, students will complete an exit interview with the instructors to determine eligibility for the following year. It is the student's obligation to demonstrate commitment to the social and academic goals of the program in order to continue a second year.

A strong component of the Alternative program's project-based education involves the operation of the Mount View greenhouse business. The greenhouse project provides real-life opportunities to develop a variety of marketable skills. Students are responsible for plant care, advertising, public sales, inventory, filling and delivering orders, and customer relations. Several service and educational projects in collaboration with the Maine Organic Farmers' and Gardeners' Association, local farms, and local community members provide additional opportunities for authentic learning.

CAREER EDUCATION

JMG FRESHMAN/SOPHOMORE TRANSITION **½ Credit**

This class is a fun, interactive way to learn key skills for success in life such as organization, teamwork, problem-solving, goal setting, and future planning. Please note that this class is the same for both Sophomores and Freshman, so students can take it either year. Computer skills are an integral part of this course.

JMG CAREER AND COLLEGE EXPLORATION **½ Credit**

The JMG Career & College Exploration class is for Juniors and Seniors looking to learn more about college and the working world. Students will take self-assessments to see what careers might be a good fit for them. Students will research 3 jobs of their choice and the post-secondary education needed to obtain the desired job. Students will learn about entry-level jobs, create a resume, cover letter and participate in a mock interview. Many guest speakers from Maine colleges, the military, and local businesses. Computer skills are an integral part of this course.

JMG PREPARING FOR COLLEGE **½ Credit**

This course is offered to seniors who are pursuing a two or four-year post-secondary degree. If students are not sure that they will attend college then it's recommended that they take the JMG Career & College Exploration class. Students will research what colleges they should attend to work in their chosen career path. Students will attend a college fair, sign up for FAFSA, construct a college resume, collect college letters of recommendation and learn about balancing money while in college. Guest speakers include many of Maine's colleges as well as military and business recruiters. Computer skills are an integral part of this course.

HEALTH

HEALTH I **½ Credit**

Students will learn about mental and emotional health including depression awareness and suicide prevention. Additional units will include: alcohol and tobacco prevention and awareness, nutrition, body image, and eating disorders. The health curriculum is designed to empower students with the knowledge and skills necessary to select behaviors that lead to a lifestyle conducive to good health. The student's ability to differentiate between healthy behaviors and harmful high-risk behaviors will be a major focus of the program.

HEALTH II **½ Credit**

Students will learn about substance abuse and prevention, healthy relationships, and reproductive and sexual health. The health curriculum is designed to empower students with the knowledge and skills necessary to select behaviors that lead to a lifestyle conducive to good health. The student's ability to differentiate between healthy behaviors and harmful high-risk behaviors will be a major focus of the program.
Prerequisite: Health I

CHILD DEVELOPMENT **½ Credit**

This course will examine child development from conception to age 12. At each stage of development, we will explore physical, intellectual, social, and emotional development. Students will also explore strategies and techniques for providing a nurturing and educational environment.
Prerequisite: Health II

FAMILY AND CONSUMER SCIENCE **½ Credit**

This course emphasizes the development of practical, personal, and social skills to facilitate lifelong health. Food planning and preparation, money management, budgeting, housing, consumerism, and sewing skills will be taught in this class.
Prerequisite: Health II

PHYSICAL EDUCATION

PHYSICAL EDUCATION I **½ Credit**

Students are introduced to a variety of recreational and team activities that provide essential content enabling students to make choices and perform successfully in lifelong fitness. Students will have the opportunity to explore and participate in activities that are designed to enhance personal fitness and cognitive, social, and psychomotor skills.

PHYSICAL EDUCATION II **½ Credit**

This course introduces students to the foundations of physical conditioning and personal wellness and teaches how to assess strength, flexibility, muscular endurance, and cardiovascular fitness. Students will participate in various types of individual activities learning concepts of fitness. Students will develop fitness goals and personal assessments through various activities. **Prerequisite: Physical Education I**

STUDENT INSTRUCTOR FOR PHYSICAL EDUCATION **½ Credit**

Students will leave this class with more in-depth knowledge of physical education, and the ability to relay this knowledge to other students. The class will allow students the opportunity to build leadership skills and interpersonal skills. Students will be expected to work with other students in the class to build their confidence and skills. Student instructors will not be allowed to enter grades, however, they may assist in measuring students' progress towards the set standards.

Prerequisite: Physical Education II

STEM- INTERDISCIPLINARY

AP COMPUTER SCIENCE PRINCIPLES **1 Credit**

AP CSP is an introductory-level course meant for all students. You don't need an advanced understanding of coding to be successful and you don't need a home computer—your school will give you access to computers so you can complete the course.

In this course, you'll learn how computers and technology are impacting our daily lives from the apps we use, to how our personal data is collected, to how AI can have positive and negative consequences. Students work collaboratively to creatively address real-world issues using the tools and processes of computation.

INTRODUCTION TO INNOVATION ENGINEERING (University of Maine, Orono)
1 MVHSCredit/3 UMO Credits

This dual-enrollment course with the University of Maine will introduce students to the fundamental principles of design thinking and Innovation Engineering– which, simply put, means thinking of new ideas; exploring their viability; making rational decisions about whether or how to invest time, energy, and resources into developing them (i.e., "fish or cut bait"); communicate those ideas effectively; and then reflect meaningfully on the entire process. Thus, it is not a course about "how to make a product," but rather, about how to develop an idea.

Students will engage in rapid research to gather thoughts, ideas, and unique perspectives as they gather information that will spark fresh thinking. They will build prototypes, survey potential customers, and talk to experts as they further build and strengthen their ideas. They will learn specific, new tools and build math models that support their concepts. They will further learn how to develop well-reasoned proposals that speak to the viability of their ideas in a real-world context.

As a dual enrollment course with the University of Maine, this course will earn 3 undergraduate credits, and possibly serve as a gateway for the completion of an Innovation Engineering Certificate and Minor at the University of Maine.

STEM LAB **1/2 Credit**

This course is designed to give students hands-on experience with computers, robotics, and computer assisted drafting (CAD). Students will learn digital citizenship skills through Google slides, how to code using blocks and html, and how to draft using Tinkercad. In each unit students will create projects including, but not limited to, a slide presentation, coding computer applications, designing websites, and three-dimensional design using a CAD program and 3-D printer. Students will use the skills and knowledge they have learned in this course throughout high school, college, and the workforce.

VISUAL AND PERFORMING ARTS

ART 1 INTRODUCTION TO ART **½ Credit**

This is a semester class. This class serves as a prerequisite to all other art classes with the exception of Video Production. In this foundation level class students will explore drawing, painting, design, and printmaking. Students will also be introduced to art history, appreciation, and criticism.

POTTERY **½ Credit**

This is a semester class. In this class, students will explore the techniques of pinch, coil, slab, and wheel-thrown. Students will also be introduced to the work of potters and clay artists from various time periods in history. Students can take this class again to work at an advanced level. **Prerequisite: ART I INTRODUCTION TO ART**

DRAWING AND PAINTING **½ Credit**

This is a semester class. In this class, students will explore a variety of drawing and painting mediums including pencil, charcoal, pastel, pen and ink, watercolor, tempera, and acrylic. Students will be introduced to a variety of artists throughout the history of art. Students can take this class again to work at an advanced level.
Prerequisite: ART I INTRODUCTION TO ART

PHOTOGRAPHY **½ Credit**

This is a semester class. In this class, students will explore both traditional black and white darkroom photography and digital photography. Students will learn to use a 35 mm print film camera to take photographs, develop film and develop black and white photographs. Students will learn how to use a 35 mm digital camera and how to manipulate and print photographs using camera and photo editing software. Students will also explore the history of photography. Class size will be limited due to the number of darkroom stations and photo editing stations.
Prerequisite: ART I INTRODUCTION TO ART
Due to the size limit and need for independent work this class is limited to juniors and seniors with teacher approval.

ADVANCED ART **1 Credit**

Advanced Art is a year-long class. This class is designed for students who are highly motivated to learn and explore art at an advanced level. Students will explore drawing, painting, design, printmaking, black and white photography, pottery, and sculpture. Students will build on the concepts and skills they developed during ART I. Students will continue to learn about art history, appreciation, and criticism.
Prerequisite: ART I INTRODUCTION TO ART and a consultation with the teacher.

VIDEO PRODUCTION **½ Credit**

Video Production is a semester class which students may take multiple times for additional credit. This course explores aspects of video production by operating as an authentic video broadcasting station. Students will receive work requests in the form of slides, announcements, among other broadcasting mediums from members of our school and community. Students will learn new techniques in video and picture editing, use of graphic design software, and graphic prints. Video recording will be a requirement for this course both during and outside of school day hours, wherein students will record sporting events, school concerts, meetings, interviews, commercials, and news segments among other recording opportunities.
Requirements for this course: at least some student availability outside of the regular school day for video recordings. Prerequisites: Limited to students in 10th grade or above.

PIANO I **1/2 Credit**

This is a semester class. In Piano I students will develop foundational piano skills such as chords, scales, music literacy and music technique. Students will perform various pieces of repertoire from different genres and styles of music over the course of the semester. Although students will primarily work independently, group work is periodically a part of the class schedule. **Due to the number of pianos available, class size is limited.**

PIANO II **1/2 Credit**

This is a semester class. In Piano II students will continue to develop skills from Piano I in addition to new skills including improvisation and more advanced chord voicings. Students will perform various pieces of repertoire from different genres and styles of music over the course of the semester, including piano etudes. Although students will primarily work independently, group work is periodically a part of the class schedule. **Due to the number of pianos available, class size is limited.**
Prerequisite: Piano I and consultation with the teacher.

GUITAR I **1/2 Credit**

This is a semester class. In Guitar I students will develop foundational guitar skills such as picking, strumming, playing chords, scales, melodies, improvisation, and reading and writing music notation, all with healthy and efficient technique. The emphasis is on developing rhythm guitar skills through music, so students will perform various pieces of repertoire from different genres and styles of music over the course of the semester. Although students will primarily work independently, group work is periodically a part of the class schedule. **Due to the number of guitars available, class size is limited.**

GUITAR II **1/2 Credit**

This is a semester class. In Guitar II students will continue to develop skills from Guitar I in addition to new skills such as fingerstyle, hybrid picking, articulations, melodic improvisation, and extended techniques. Guitar II has an emphasis on lead guitar and more advanced chord voicings. Students will continue to perform repertoire from different genres and styles of music over the course of the semester.
A student owned electric guitar is recommended but not required. **Due to the number of guitars available, class size is limited.**
Prerequisite: Guitar I and consultation with the teacher.

MUSIC APPRECIATION **1/2 Credit**

This is a semester class. In this course, students will study the development of various classical and contemporary musical styles from Europe and America, as well as explore music from other cultures from around the world. An emphasis will be placed on developing the skills to listen to music in both a “big picture”, and in a detail-oriented way. Students will be encouraged to draw connections between music of all styles and of all ages, to develop an understanding of how music evolved into its current forms, and to develop an appreciation for all forms of music. Music Appreciation is open to any student regardless of musical experience.

MUSIC THEORY I **1/2 Credit**

This is a semester class. Music Theory I is a study of the structure and function of music. Class time will be spent building foundational theory skills, learning to read and interpret music, and learning the properties and function of melody and harmony. This course is geared towards students involved in band & chorus who wish to gain a deeper understanding of music, and as such, a prior working knowledge of music, including the ability to read music, is necessary.
Prerequisite: Chorus or Band and/or consultation with the teacher.

MUSIC THEORY II **1/2 Credit**

This is a semester class. Music Theory II is a continuation of the study of the structure and function of music. A significant portion of this course will be spent analyzing historical musical examples to gain a deeper understanding of harmonic structure, and on introductory compositional techniques. This is an advanced-level music course which is geared towards students who wish to gain a deeper understanding of music, and is recommended for students considering music at the college level.
Prerequisite: Music Theory I

PERFORMANCE ENSEMBLE MUSIC COURSES

The following courses are yearlong-only offerings: Chamber Singers, Chorale, Chorus, and Concert Band. Signing up is a yearlong commitment, students will not be able to transfer courses at the second semester without extenuating circumstances. These courses also carry with them the requirement that students participate in a number of evening concerts throughout the school year.

CHAMBER SINGERS **1 Credit**

Chamber Singers is available to students who seek a more rigorous choral program than the general chorus offers. Students will explore various styles and genres of repertoire which will promote growth in music literacy as well as healthy vocal technique. Members of this group will be expected to sing in all concerts with the general chorus as well as performances of their own (concerts/trips/festivals/etc). **Attendance at all concerts is mandatory** as it is a part of the grading procedure.

Requirements for admission to this class include an audition/ consultation with the director and prior singing experience.

CHORALE **1 Credit**

Chorale is available to students who seek a more rigorous choral program than the general chorus offers. Members of this group will be expected to sing in all concerts with the general chorus as well as performances of their own. **Attendance at all concerts is mandatory** as it is a part of the grading procedure. **Requirements for admission to this class include an audition/consultation with the director.**

CHORUS **1 Credit**

Chorus class is available to all students regardless of previous musical experience. Instruction is provided through the choral medium in vocal production, music theory, music appreciation, and a survey of choral literature from the Middle Ages to the twenty-first century. Concerts are scheduled for the holiday season and in the spring, while other performances are arranged depending on rehearsal time. **Attendance at all concerts is mandatory** as it is a part of the grading procedure.

CONCERT BAND **1 Credit**

In Concert Band, students will perform on instruments, in a group setting, a variety of classical and contemporary musical styles. Instruction will be focused on increasing technical abilities, and on developing a sense of expression and musicality through instrumental performance. Numerous performances will be scheduled throughout the year. **Attendance at all concerts is mandatory** as it is part of the grading procedure. **Requirements for admission to this class include prior band experience or permission from the director.**

WORLD LANGUAGE

SPANISH I / GERMAN I **1 Credit**

This course is an introduction to the language. Students will also begin to gain an understanding of the culture and customs of the Spanish or German-speaking world.

SPANISH II / GERMAN II **1 Credit**

This course continues to develop and expand the student's ability to become proficient in the target language and to better understand the culture.

Prerequisite: Spanish/German I

SPANISH II IMMERSION / GERMAN II IMMERSION **1 Credit**

For those students who have found success in their Level I class, a level II Immersion class may be offered. This class, conducted in the target language, will be for highly motivated students who are interested in reaching a higher level of proficiency and fluency in order to continue beyond the recommended 2-3 years that most colleges expect.

Prerequisite: Spanish/German I as well as the recommendation of the teacher.

SPANISH III / GERMAN III **1 Credit**

Students will continue to be exposed to comprehensible input with an increased emphasis on accuracy and fluency. Students will work toward a deeper understanding of culture.

Prerequisite: Spanish/German II

SPANISH IV / GERMAN IV **1 Credit**

This course will increase the students' comprehension and output of more complex language and cultural understanding. More emphasis will be given to conversational skills for fluency and accuracy.

Prerequisite: Spanish/German III

SEAL OF BILITERACY **½ Credit (1 semester) or 1 Credit (2 semesters)**

With permission, Students may take 2 semesters as Spanish III or IV continuation.

The course will be aimed at preparing students who are on a path to proficiency in English and one other language, which might be their home language, or a language they have been studying in school. Students who enroll in this course will work toward the proficiency exam at the end of the year and prior to graduation. Students would typically enroll their junior or senior year of high school, after completing at least two years of World Language classes.

WORLD LANGUAGE AND CULTURE EXPLORATORY **½ Credit**

(One semester– may be repeated for different languages or increasing levels of language)

This course will offer students the opportunity to study **languages and cultures for which we do not formally offer a class** through independent study, using a language curriculum approved through the MVHS Independent Study process. Examples of curricula that may be approved for this purpose include Babbel, DuoLingo, Rosetta Stone, Edgenuity, or others. While each student will work independently through an individualized language curriculum, the course will be designed so that all students engaging in these studies will meet regularly, during a scheduled class period, as a group, with a World Language teacher, who will provide support and who will also develop learning activities through which the students collaborate to explore and compare the various cultures represented by the languages that the group, as a whole, is studying. Thus, the course is a hybrid of an Independent Study and a more traditional class.

The class will be offered in one-semester increments. Students may take the course repeatedly, with approval from the World Language Department Head and Principal, if they begin to study a new language, or if they increase the level of difficulty of a language previously studied.

NOTE: This class will NOT address all standards for World Languages, especially in the area of interpersonal conversation. Colleges MAY or MAY NOT accept this course as a traditional world language course.


WALDO COUNTY
TECHNICAL CENTER
WCTC

Program of Studies
2024-2025

WALDO COUNTY TECHNICAL CENTER

Program of Studies 2024-2025

ACADEMIC MATH PROGRAM **1 Credit**

This program is for juniors and seniors who wish to participate in a Technical Center program, but are unable to schedule a required math class at their partner high school.

Students taking an academic math course must be self-directed learners and have prior permission from their high school counselor. Classes are held for 30-45 minutes, 2-3 times a week, and in a small group setting (1-8 students). Effort, participation and attendance are imperative to the success of each student. Students will earn 3 credits from their tech program and 1 credit in Math.

Current course offerings are Related Technical Mathematics and Quantitative Reasoning (dual enrollment courses through KVCC), Finance, Algebra 2, Geometry and Statistics. All courses require the successful completion of Algebra I.

Mount View High School students who pursue this option will be required to confer with both administration and MVHS Mathematics faculty to ensure that all necessary MVHS Mathematics standards can be achieved.

PRE-TECHNICAL PROGRAMS

EMPLOYABILITY SKILLS PREPARATION (ESP) **4 Credits**

ESP is a one-year course for freshmen who can benefit from hands-on experiences. Students learn the necessary soft skills for communicating and maintaining employment in the workforce. This course addresses a variety of skills including: teamwork, organization, work ethic, personal appearance, maintaining a positive attitude and dependability. Specific course topics included are: hydroponics, woodworking, CNC/3D printing and basic drafting. Students must have good attendance, and be able to follow directions, work in a professional and supportive manner and adhere to standards of safety in the classroom and shop. Students will have the opportunity to earn their 10-hour OSHA general industry certification and SP2 professional skills certification.

EXPLORE CAREER AND TECHNICAL EDUCATION (CTE) **2 Credits**

Explore CTE is a semester-long course for freshmen. Students will learn the basics of Building Construction, Electrical Trades, Computer Careers and Graphic Design as students build an escape room from the ground up.

Students will build and design the room, make secret doors, wire 110v and 12v systems, electronic locks and puzzles, and connect it all to a computer monitoring system. Students will run the completed escape room like a business for other students. Students may also learn about all the 12 technical programs offered to juniors and seniors at WCTC. Students will have the opportunity to earn a 10-hour OSHA general industry and CPR/First Aid Certifications.

STRIVE **4 Credits**
Strive is a 1-2 year pre-technical program offered to high students at any grade level. Entrance to this program is through the IEP process at a student's high school.

TECHNICAL PROGRAMS

Most technical programs at WCTC are 2-year programs. In order to gain many of the licenses, certifications and college credits, students may need to complete <u>BOTH</u> years of a 2-year program.

AUTOMOTIVE COLLISION REPAIR **4 Credits**
Career Paths: Auto Collision Technician, Auto Collision Painter, Insurance Adjuster, Auto Glass Technician, Parts Supplier, Auto Paint/Refinisher Supplier, Auto Collision Shop Owner

Topics in Auto Collision focus on paint and refinish as well as small dent repair. Students will learn how to properly mix paints and other materials including 2K primer, epoxy primer, base coats and clear coats. Students will use the downdraft spray booth with the latest PPE (Personal Protection Equipment) for painting. They will use stud guns, grinders and DA sanders for refinishing. Auto Collision follows the I CAR curriculum and adheres to NATEF standards. WCTC works closely with local businesses in order to job place students and to stay current with industry standards, as methods are constantly changing. Auto Collision personnel are in constant demand in this ever growing industry. Students will earn their 10 hour OSHA general industry, SP2 hazardous waste and Airgas safety certificates.

AUTOMOTIVE TECHNOLOGY **4 Credits**
Career Paths: General Automotive Technician, or as a Specialist in areas such as front-end alignment, and/or brakes, Entry Level Service Technicians, Parts Person

In the first year of Auto Technology, students will focus on entry-level technician skills, steering and suspension, basic prevention maintenance, and braking systems. Students will work on both school-owned training cars and live work customer vehicles while completing ASE Education Foundation assigned tasks. Students can earn a 10-hour OSHA general industry safety certificate and SP2 pollution control and hazardous waste handling certifications

During the second year of the program, the focus will shift to basic diagnostic skills in areas such as electrical and electronics systems, engine performance, and engine mechanical testing.

The program is ASE Education foundation accredited in maintenance and light repair, allowing students the opportunity to earn college credits through agreements with Maine Community Colleges.

BUILDING CONSTRUCTION **4 Credits**
Career Paths: Building Contractor, Building Maintenance, Finish Carpenter, Carpenter Apprentice, Entry Level Construction, Rough Carpenter, Cabinet Maker, Flooring Installer, Roofer, Sider, Sheet Rocker, Insulator

Building Construction is intended to be a two-year program, where students will be able to learn in a safe, controlled environment. During the first year, students will become proficient with reading a tape measure, basic construction math, blueprint reading, basic drafting, how to calculate a material and cut list, and be taught the safe and proper

operation of all basic hand and power tools, including tool maintenance. Students can earn a 10-hour OSHA construction and Werner Ladder and Safety Certifications. Students also have the opportunity to earn 3 credits through Eastern Maine Community College
Requirements: Students need to have proficient basic math skills.

In the second year, students will be introduced to the basics of commercial and residential construction, from how to work the concrete, to building layout, interior and exterior framing, and floor, wall and roof systems. Students may earn CPR/Basic Life Support Certification.

CERTIFIED NURSING ASSISTANT **4 Credits**

Career Paths: Nursing, Physical Therapy, Occupational Therapy, Therapeutic Recreation, Medical Assisting, Veterinary Assistant, Radiological Technology, Respiratory Technology, Dental Assisting, Forensics.

This one-year program is designed for juniors and seniors interested in any health career. The CNA program is highly academic and skills based. Upon completion of the CNA program students will have the opportunity to become certified by taking the Maine State CNA exam. The clinical component of the program is practiced at Harbor Hill, Magnolia Assisted Living, and Waldo County General Hospital. Students who have become employed as a CNA or entered nursing education consistently report that skills and knowledge acquired in this program have been highly beneficial. Students will earn American Heart Association CPR/Basic Life Support Certification.
Requirements: Minimum age 16, and successful completion of Biology and Algebra 1

COMPUTER CAREERS **4 Credits**

Career Paths: Telecommunications Technician, IT Technician, Web, Robotic and Game Developer, Desktop Support, Automated Manufacturing Technician

The computer industry is changing and available jobs are changing as well. New IT industry skills are becoming the standard for technology jobs. Opportunities will be provided for students to receive appropriate industry certifications. Students will learn to program games for the PC and Mac as well as mobile application programming using the Unreal Engine system. They learn the math and physics concepts used in game development, how the engineering cycle is used to design games, the components of a good game, color theory used in game design, and how to create sprites and animation.

Computer and networking hardware introduction and troubleshooting will introduce the students to current hardware and troubleshooting and maintenance. Students will be introduced to multiple operating systems (Microsoft, Linux, and Apple) and learn basic tasks and maintenance in each. Students will continue using the skills learned in the game programming portion of the class to create web pages using the HTML language. Students will be able to program their own web pages and learn a valuable skill that can be directly translated into a web designer career. There will also be hardware programming skills learned while utilizing the LEGO Mindstorm Programming Language and Robot Building. Being able to control a physical device with intelligent programming is a great thrill and brings a whole host of achievements to the student.

Students will learn the skills to prepare for multiple certifications including: PCPro, CompTIA, Strata, CompTIA A+, Network Pro (second year), CompTIA Network+ (second year), Client Pro, Desktop Pro. The curriculum will largely follow the Science, Technology, Engineering, and Mathematics (STEM) Education Coalition Standards.

CULINARY ARTS **4 Credits**

Career Paths: Chef, Cook, Baker, Prep Cook, Host/Hostess, Waiter/Waitress, Cashier, Dishwasher, Restaurant Manager.

Culinary Arts is a course of study that introduces the student to the variety of tools and equipment used in the commercial kitchen, as well as in season, fresh local produce and other meat and food products available in today's marketplace. We discover different flavors and cooking methods from around the globe while learning about the culture it came from.

Measurements, menu costing and basic culinary math are essential and will be visited throughout the program. Sanitation, trade terminology, purchasing, receiving, and storing are also covered. Attention to teamwork, communication and customer service are a focus of this course since public functions are commonly staffed by culinary students at WCTC.

Food is time sensitive so there is emphasis on urgency, and time management, much like a real restaurant. Culinary Arts prepares the student for post-secondary education, or to enter the workforce with confidence and skill. Students have the opportunity to earn National Restaurant Association Sanitation, SP2 Professional Skills and 10 hour OSHA General Industry Certifications. Students who pass the Servsafe test can earn 3 college credits through the Maine Community College System.

DIESEL TECHNOLOGY **4 Credits**

Career Paths: Heavy Equipment Service Technician, Sales Personnel, Service Manager, Maintenance Supervisor, Service Writer, Warranty Claims Adjuster, Self-Employed Technician.

Designed as a two-year program, the first year's instruction will cover diesel engine principles: disassembly, reassembly, fuel injection, electrical and other component repairs. Shop work will be done on runnable diesel tractors, bulldozers, front loaders, school buses, generators, logging equipment, and diesel power units. The more advanced second-year program is available to those who qualify. Students have the opportunity to earn the 10-hour OSHA General Safety and Polaris Training Certifications.

EARLY CHILDHOOD and K-8 EDUCATION **4 Credits**

Career Paths: Early Childhood, Elementary, Middle, and Secondary Teaching, Counseling, Nanny, Tutor, Pediatric Nursing, Speech & Language, Physical and Occupational Therapist, Educational Psychologist, Children's Librarian, and Special Education Careers.

Early Childhood and K-8 Education is a NEW two-year program for students interested in a career working with children. The course offers a mix of academic and hands-on learning.
Students will learn about the art and science of teaching, education and care, stages of development, curriculum planning, observation and assessment, health and safety practices, mandated reporting, and partnering with families. Students will also study the Maine Early Learning Standards and Maine Learning Results as they apply to teaching children birth to eighth grade. Students will have the opportunity to practice their newly acquired skills working with professionals in placements throughout the community including infant/toddler classrooms, childcare facilities, Pre-K to 8 elementary classrooms and special education programs. These experiences build relationships within the community and provide opportunities for future employment for the students.

Students will demonstrate industry competencies by adhering to guidelines outlined by the National Association for the Education of Young Children (NAEYC)**.** Students will be fluent in the Maine Office for Children licensing regulations and complete training through Maine Roads to Quality (MRTC) professional registry for licensed early education programs and training appropriate to prepare for Education Technician Certification. Students will have the opportunity to earn CPR/Basic First Aid Certification. Students also may be offered dual enrollment opportunities through the Maine Community College and University systems.
Requirements: Students must have excellent attendance, strong communication skills, and be able to work independently as well as in a group.

ELECTRICAL TRADES **4 Credits**

Career Paths: Journeyman Electrician, Master Electrician, Power Company Lineman, Telephone/Cable Worker, Electrical Supplies Salesperson, Industrial Electrician, Limited Licensed Electrician, and Electrical/Electronic Trades in any of the military services

Electrical Trades is a two-year nationally accredited program from the National Center for Construction Education and Research (NCCER) designed for juniors and seniors. It consists of classroom instruction of theory and hands-on skill-building exercises in the shop area.

Students can obtain 576 classroom hours required to sit for the Maine Journeyman's test with the completion of the 2-year course. By the end of a student's first year, the student can receive the Maine Electrical Helpers License (HPE). This will allow the second year student to work on school projects outside of the classroom environment and obtain employment under one of Maine's Master Electricians. Students that are mature, self-confident, self-starters, conscientious, ready to take on responsibilities, likes physical and mental challenges, can accomplish safe and precise work, has good hand-eye coordination and can work with little supervision, may be a great candidate for this trade.

Mandatory safety footwear is required for this class by the third week. Financial assistance is available.

Students can earn a 10 hour OSHA Construction card, become CPR and basic first aid certified and earn various other industry-related certifications. Students who successfully complete the 2-year course may earn 3 or more credits through the Maine Community College System.

GRAPHIC DESIGN **4 Credits**

Career Paths: Graphic Designer, Freelance Artist, Animator, Web Designer, Illustrator, Photographer, Social Media Specialist

This one or two-year design program offers students the opportunity to learn artistic theory, develop creative thinking and gain technical skills in industry standard software. Through a diverse project base, the program's curriculum balances the creative and technical aspects of design. Students will design a variety of projects including posters, brochures, invitations, book covers, logos, product packaging, and more. Many of these projects will be live jobs from partner schools and the community. Equipped with iMacs, printers, and Adobe design software, the Graphic Design studio is dedicated to encompassing technology and cultivating creativity among students. Students have the opportunity to earn certifications for Adobe Certified Associate (ACA) and pass an Assessment with Brightpath Graphic Print Design. Students also have the opportunity to earn college credits through dual enrollment agreements with EMCC & SMCC.

SMALL ENGINES **4 Credits**

Career Paths: Service Technician, Sales Representative, Parts/Accessory Technician, Service Writer, Small Engine Business Owner.

This program will prepare students to repair and maintain a wide range of small engine equipped machines. The program will also discuss supporting equipment parts, such as transmission, gear and hydraulics, electrical, electronics, and other drivetrain items. Students will be able to repair their own equipment as it coincides with the curriculum. Equipment may include snowmobiles, four wheelers, outboards, lawn tractors, chainsaws, and more. Students have the opportunity to earn a 10-hour OSHA General Industry, and Briggs and Stratton and Polaris Technician Certifications.

WELDING TECHNOLOGY **4 Credits**

Career Paths: Construction Welders, Shipbuilding and Steel Fabrication Worker, Maintenance, Boiler Makers.

The Welding Technology Program is a one year or two year course of study that emphasizes "hands on" experiences in arc welding. First year students practice the skills required to pass the American Welding Society (AWS) structural welding test and have the opportunity to become certified with AWS as a flat structural welder. Second year students practice the skills required to become certified AWS all-position welders and have the opportunity to become certified by the AWS.

Emphasis is on stick, mig and tig welding and various cutting & gouging techniques. In addition, WCTC has a CNC Plasma table, supported by AutoCAD technology. Safety, blueprint reading, weld symbols, joint design and fabrication techniques are studied. Students can leave the program with 10 hour OSHA general industry, and various Airgas and SP2 certifications.

Integrated Credit Opportunities at WCTC
2024-2025 School Year

Students must meet with their school counselor to discuss integrated credit. Integrated credit is awarded at the discretion of the partner high school.

Students completing one year in the following Waldo County Technical Center courses may receive consideration for integrated academic credit.

WCTC Course	Credits Applicable
Auto Collision Repair/Composites	1 Fine Arts or ½ Math
Auto Technology	½ Math or ½ Science
Building Construction	1 Fine Arts or ½ Math
Certified Nursing Assistant	1 Science or ½ Health
Computer Careers	½ Computer Applications
Culinary Arts	1 Fine Arts or ½ Math
Diesel Technology	½ Math or ½ Science
Electrical Trades	½ Science or ½ Math
Emergency Medical Services	1 Science or ½ Health
Graphic Design	1 Fine Arts or ½ Computer Applications
Small Engines	½ Science or ½ Math
Outdoor Leadership	½ Science or ½ PE or ½ Health
Welding Technology	1 Fine Arts, or ½ Math or ½ Science
Employability Skills Preparation (pre-tech)	1 Math and ½ PE and 1 Fine Art
STRIVE (pre-technical program)	1 Math and 1 Fine Art

Guide Lines:

- No students will be allowed more than two (2) WCTC integrated academic credits toward their high school diploma.
- No student will be allowed to receive more than one (1) credit in any academic area. In the case of math & science the other two credits must be earned through their partner high school.
- The integrated study grade will be the same as for the WCTC program course grade.
- Only one (1) integrated academic credit will be awarded per technical program per year.

When integrated credit is awarded, a student will receive less credit for the technical course. Example: A student in Auto Technology may receive a 1/2 credit in Math and receive 3 1/2 credits for Auto Technology. Total WCTC credit will remain four (4).