

Messalonskee High School



Course Selection Guide

2012-2013

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RSU 18 MISSION STATEMENT

Engaging Students – Strengthening Communities – Creating Global Leaders

RSU 18 SHARED VISION

RSU 18 is a community where...

All students are prepared to succeed in society by demonstrating mastery of a common set of rigorous standards. Parents, educators, business leaders, and community members are cooperative partners to help guide learning.

All students are creative problem solvers, critical thinkers, self-directed learners, effective communicators, collaborative workers, environmental stewards, and productive, healthy citizens. Students have a voice in their education and share in the development of individual learning plans guided by a dedicated and passionate staff.

All students engage in creative and innovative learning strategies. They use technology and other tools to connect to the world outside the classroom.

Students pursue multiple pathways inside and outside the classroom to achieve their learning goals. Learning takes place without boundaries of time and space.

All students are successful leaders and contributors to their community, nation, and world.

MESSALONSKEE HIGH SCHOOL **MISSION STATEMENT AND STUDENT EXPECTATIONS**

Messalonskee High School is a center of excellence where students engage collaboratively with highly committed staff members to focus on intellectual, social, emotional, and physical development of each learner. The atmosphere is safe, nurturing, and exciting. Every student has the resources and personal support necessary to reach his or her personal best. The students, staff, and community place a premium on high achievement in all activities and emphasize the development of critical and creative thinking skills. All students are encouraged to develop intellectual curiosity, make responsible decisions, and become life-long learners.

To achieve this end, Messalonskee High School:

- enjoys a mutually supportive relationship with its community and continually honors and builds on that partnership. Community members, local agencies, businesses, and service organizations sponsor activities through which students learn the value of responsible citizenship, volunteerism, and community service. Families work with the school as full partners in supporting students to develop and realize meaningful personal goals, meet high standards of ethical conduct, and develop as life-long learners. **(Partners in learning)**
- takes a proactive role as a member of the global community. Students and staff together learn to adapt to an increasingly complex world. Each learner develops a strong sense of his or her own self-worth, a respect for the intrinsic value of every person, and a sense of responsibility for global stewardship. **(Personal and global stewardship)**

- maintains state-of-the-art facilities and technologies that provide a broad range of instructional resources. Comprehensive programs encourage the integration of intellectual, artistic and athletic skills in a physically and emotionally safe environment. ***(State-of-the-art facilities & programs)***
- values and nurtures an atmosphere of mutual respect, honesty, open communication, and shared commitment to excellence among all members of the school community. All members of the school community are celebrated and supported for their ongoing contributions to students' success. ***(Collaborative culture)***

Academic Expectations

Students will meet their individual goals and become independent learners through successful achievement in:

- **READING**: Successful achievement in READING is the act of simultaneously reading the lines, reading between the lines and reading beyond the lines. It involves understanding the text's basic message, making inferences and understanding the text's implied message, and judging the significance of the content.
- **COMMUNICATON**: Successful achievement in COMMUNICATION is the exchange of thoughts, opinions, or information through oral, written, and/or visual methods.
- **PROBLEM SOLVING**: Successful achievement in PROBLEM SOLVING effectively involves, identifying the problem, developing a plan or strategy for solving the problem, following through with the plan, and drawing conclusions based on the results.
- **NUMERACY**: Successful achievement in NUMERACY is the understanding of procedures and concepts related to the computation of numbers, the interpretation and representation of data, and algebraic and geometric relationships.

Social Expectations

Students at Messalonskee High School will:

- Assume responsibility for their actions and accept the awards and/or consequences.
- Respect themselves and others; treat others, as they would like to be treated.
- Peacefully manage and resolve conflict.

Civic Expectations

Students at Messalonskee High School will:

- Know and exercise the rights and responsibilities of citizenship.
- Contribute to the well-being of the family, school, local, and global communities: become productive members of society

GRADUATION REQUIREMENTS/ACADEMIC PLANNING

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State of Maine Learning Results

In a document called *The Maine Learning Results*, the state of Maine has described the essential knowledge and skills that all students must master in order to be successful in learning and in life. For further specific information please see *State of Maine Learning Results*, 1997, Maine Department of Education. This document is available at:

<http://www.maine.gov/education/standards.htm>.

Common Core Standards

The State has adopted National Common Core standards in English/Language Arts and Mathematics. These core standards represent critical learning targets for literacy and numeracy.

Messalonskee High School Graduation Requirements

- **23** credits
- Satisfy core curriculum requirements
- Display the ability to synthesize and apply learning by achieving at the proficiency level on a curriculum research project (CRP).

Starting with the Class of 2012, all students must satisfactorily complete the core course requirements: English (4 credits); Mathematics (3 credits - students who fail to demonstrate proficiency in the knowledge and skills of Algebra I will be required to take additional coursework); Science (3 credits); Social Studies (3 credits – World History, U.S. History, and Civics); Fine Arts (1 credit, which may include Art, Band, Dance, Second-level Tech Trades, Chorus, Social Issues, or Drama), Health (.5 credits), Physical Education(1.5 credits), and JMG Career Prep (.5 credits).

Each student must satisfactorily complete the equivalent of twenty-three (23) credits, including the core course requirements listed above. The remaining credits may be selected by the student based upon the student's interests, abilities, and the requirements of the field that the student plans to enter upon graduation.

Comprehensive course examinations will assess student knowledge and skills in all courses.

As part of the curriculum research project, students will demonstrate their knowledge and skills in conducting in-depth research and in the presentation of material through the application of technology.

Planning your future

It is wise to begin making decisions about your future as soon as you are officially enrolled as a Messalonskee High School student. Many educators and business leaders in the state of Maine agree that complex and evolving skills are required for success in careers of the future. To that end, Messalonskee High School promotes postsecondary study, to include 2- or 4-year college, certificate programs, military service, and other rigorous career preparation as much as possible. State and national data indicate that all high school students need to maximize their opportunities for postsecondary preparation and training.

Admission to college

Each college has different admission criteria which varies depending on the institution, the degree program, and the degree length. It is very important to know and understand the admission criteria for colleges and universities. Most of this can be found easily on each college's individual Admissions home page.

Though there is no overarching admissions rule in Maine as of January, 2012, the University of Maine system recommends the following, which can be used as a minimum guideline (in units):

- Four credits of English that incorporate a variety of texts (fiction, non-fiction, essays, memoirs, journalism) and that emphasize expository and analytical writing skills.
- Four credits of math courses that include at least Algebra I and II, Geometry, and a senior year college preparatory math course that provides a solid foundation in quantitative and algebraic reasoning. For students planning to major in mathematics, science, or a technical or professional field that requires advanced math skills, a pre-calculus, or calculus course is strongly recommended.
- At least three credits of a laboratory science that includes the study of biology, chemistry, and physics. Science courses should emphasize the writing of technical reports and the quantitative representations and analysis of data. Students who plan to enter a scientific field should complete four years of science.
- At least two credits of history and social science in course work that emphasizes the reading of primary and secondary texts, the writing of analytic and expository essays, and the use of quantitative and research findings. Students who plan to enter a social science field or major in social studies should take additional credits of social studies.
- At least two credits of study in the same language other than English.
- A challenging curriculum consistent with the student's talents.
- A strong academic program up to and including the senior year.
- SAT or ACT scores

Some programs require a computer course, additional math or science courses, or fine arts courses. EACH COLLEGE AND EACH MAJOR may have different criteria, so please familiarize yourself with the minimum requirements well in advance of your senior year.

Like Maine's 4-year colleges, our Community Colleges also have a variety of pre-requisites that vary by campus and by program. As of January, 2012, there is no uniform document that outlines these requirements. In general, students need to pass Algebra 1 and some majors may require Algebra 2. Many allied health programs require specific lab sciences and specific placement testing. To be safe, please refer to the college's website. All campuses will require the ACCUPLACER placement exam unless a student's SAT/ACT score is higher than a predetermined cut-off.

You can get ahead!

There are 5 different ways a MHS student can earn college credit while still in high school. They are: Advanced Placement (AP) exam scores, Dual Enrollment (offered through MHS and also through Mid Maine Technical Center), Early College Classes, and CLEP Testing.

Advanced Placement (AP)

The College Board's® Advanced Placement Program® enables students to pursue college-level studies while still in high school. Thirty-seven courses and exams in 22 subject areas are offered. Based on their performance on rigorous AP Exams, students can earn credit, advanced placement, or both, for college.

AP is an indication to colleges that a student has taken the most difficult class a high school has to offer. Exams are standardized and are graded on a scale of 1-5. Many colleges will award college credit to students who score a 3 or higher on an exam, though each college and each major has different guidelines for awarding credit.

Dual Enrollment

Dual Enrollment enables high schools to offer (and teach) college courses on a high school campus. High school teachers use specific college curricula and syllabi throughout the semester/year. For example, high schools currently partner with KVCC and/or Thomas College to offer courses such as College Algebra and College Composition, among others. Certain criteria are usually required in order for a student to enroll in these classes (grades, junior/senior status, testing scores, parent permission, etc.). These classes count as both high school and college credit. They serve as outstanding opportunities for students to save time and money as they work toward college admission.

Early College Classes

Colby College, KVCC, Thomas College, UMA and the University of Maine offer our students a variety of opportunities to take college classes online or on campus tuition-free. These courses count as high school and college credit. Each college has its own procedures and prerequisites for enrolling high school students in college classes. Typically, high school students can apply for college courses in April (for the fall semester) and in November (for the spring semester).

Mid Maine Tech Center

MMTC's courses are aligned with different Maine community colleges. Mid Maine Tech students can earn college credits and state/national certifications in each MMTC course, if a student meets certain grade/attendance guidelines.

CLEP: College Level Examination Program

CLEP helps students earn credit for what they already know, regardless of how that knowledge was acquired. By receiving a satisfactory score on a CLEP exam, students can earn up to 12 college credits toward a college degree, depending on the exam subject and the policy of the college.

Things to remember about college credits

- Your college transcript becomes part of your permanent academic record.
- You have to abide by college policies (including attendance, add/drop, etc.).
- The student (not parent, not counselor) has to obtain his/her college transcript. Transcripts are personal property!
- The high school has no leverage in working through disagreements in college coursework. The student must work through any problems/difficulties with the appropriate college personnel.
- Responsibility and time management are KEY FACTORS for success in college-level courses.

- Each college has its own way of evaluating and awarding college credit. GENERALLY SPEAKING, if a student earns a C or better, it is likely that the college credit will transfer to another college. It is the student's responsibility to ask the college about this procedure.
- They are FANTASTIC ways of saving money, saving time, and demonstrating college-level ability. Moreover, students who take college-level classes usually have positive experiences, which help "keep them moving" on/toward a college path.

Multiple Pathways for Learning

Most students will satisfy graduation requirements during a four-year experience; however, students may fulfill the requirements for a diploma in a time period, which is accelerated or lengthened, based on their individual needs. These students are expected to develop a proposed plan with input from counselors, teachers and administrators. The plan will be presented to a team comprised of the building principal and guidance director who are collectively empowered to rule on all individual action plans for accelerated students.

A student who wishes to meet a credit requirement through an alternative method must have prior written approval as specified in this section. The student may participate in the next regular graduation ceremony following successful completion of graduation requirements.

A student may earn credit through distance learning/virtual courses provided the course is approved in advance by the Guidance Director and Principal and progress is monitored by a member of the professional staff. Students may not replace a course offered at MHS, with a virtual high school course, unless they cannot fit the MHS course into their schedule/educational plan.

A student may earn credits through independent study approved by the Guidance Director, Principal, parent, student, and monitored by the teacher(s) of the subject(s) to which the independent study is related.

Sophomore, junior, and senior alternative education students may receive academic credit for on-the-job work experience at the rate of 1/2 credit for 100 hours of work, to a maximum of two credits for 400 hours. The work program will be graded pass/fail.

Transfer Students

The building principal and guidance director shall review and determine the awarding of transfer courses from other schools. Students who transfer to Messalonskee High School must attain satisfactory performance on the curriculum research project and complete coursework comparable to twenty-three (23) credits.

A student must have accumulated at least 23 credits and all other requirements in order to participate in graduation exercises.

A student who leaves Messalonskee 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, provided that the student has notified the principal at the time of the early admission.

A student who has met the State and Board's diploma requirements in fewer than four years of high school may be awarded a diploma.

GUIDELINES FOR COURSE SELECTION

Students should select courses based on their talents, interests, future plans, and admission requirements at postsecondary schools. Here are some guidelines to follow when selecting courses:

Academic Load:

Students must be scheduled for a minimum of three courses each quarter. Students taking Mid-Maine Technical Center classes must attend at least one course each day at the high school.

Planning Your High School Program:

All students at Messalonskee High School are encouraged to explore and pursue some type of post-secondary education. Students applying to college, or other professional training schools need to check specific admissions requirements of those schools and programs. Many college programs fill up quickly, and admission to them can be very competitive. Students are encouraged to start the college planning process early, and consult with their counselor regarding planning and specific college admission criteria. All students are encouraged to explore as many different educational course opportunities as their schedule will allow.

- Messalonskee High School provides all students with course work that is appropriately challenging and will assist each student in reaching their postsecondary educational goals. Most colleges and universities require high school students to successfully complete a rigorous high school curriculum for admission.

When selecting courses each student should outline the remainder of his/her high school program with his/her counselor. Planning can ensure a meaningful program that reflects the student's individual needs and increases his/her options upon graduation.

Considerations for Selecting Courses:

- Match course selection with personal interests, talents, and future plans in mind.
- Students are encouraged, if scheduling and space permits, to explore a wide range of course offerings by choosing elective courses in a variety of areas.
- Recognize that some programs offered at community or technical colleges require algebra, geometry, chemistry, and/or physics for admission.
- Explore the great variety of post-secondary schools and programs that are available. Students should see their counselor to prepare for the admission process to a post-secondary institution.
- Online applications are available that can provide valuable information regarding the education needed to pursue a particular career. Students may find this information helpful when selecting their course of study.

COURSE REGISTRATION

Students start the registration process during the month of January each year. After consultation with parents, students fill out a course registration form listing all courses they wish to take in the following year. During the months of February and March students

should schedule a meeting with their counselor to discuss the list of courses they have signed up for. That list is sent home in March for parents to review. During the months of April and May the schedule is built based on the requests that students have made; consequently, it is very important that students sign up for all the courses they wish to take and make any necessary changes prior to the schedule being built. Students will receive a schedule for the upcoming year during the summer. Changes to the schedule will only be permitted in cases of error, if a student fails a course, or for other seriously extenuating circumstances. MHS does not allow for changes based on teacher preference, study hall preference, or late/early arrival. We aim to keep class sizes as small as possible, so we encourage careful consideration when selecting courses and discourage changes unless they are absolutely essential for student success.

MHS strongly discourages seniors from changing courses once they have applied to college. Colleges will evaluate a student's application based on the senior year courses included in the application. Students will be admitted to college conditionally based upon successful completion of those classes.

MHS MODIFIED 4x4 SCHEDULE

Since the school year 2002/03, Messalonskee High School has utilized a modified semester block schedule, commonly called a "4x4". In this type of schedule most classes are offered in approximately eighty (80) minute blocks four times a day, and are completed in one semester (one half year). Students may take classes totaling up to four full credits each semester, for a total of eight per year. Unless otherwise noted in the course description, courses meet every day for a full semester. This schedule does allow students opportunities to maximize course offerings in a content area of interest.

SUPPORT SERVICES

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The Guidance Department at Messalonskee High School is structured to help students explore information and receive assistance in all aspects of their educational and personal experience. Students are encouraged to use the resources of the guidance office regarding selection of their high school course of study, career information, college information (4yr/2yr), technical colleges and professional/trade schools, testing requirements for postsecondary study, military career information, and preparation to enter the workforce. The guidance counselors also offer services to students needing information or assistance with concerns of a personal nature. Students are encouraged to stop by the guidance office any time to schedule an appointment with their counselor.

Messalonskee High School Guidance Department

Diane Damone - Guidance Counselor

Keith Derosby - Guidance Counselor

Lisa Hallen - Director of Guidance/College & Career Specialist

Wendy Spaulding - Guidance Counselor

Brenda Stevens - Registrar

Crystal Churchill - Secretary

Phone - 465-4989

Guidance Department Mission Statement

At Messalonskee High School, the guidance department views each student as an individual with unique needs, interests, and abilities. We believe that the learning experience is linked directly to the personal, social, emotional, educational, and cultural needs of the student.

Our primary goal is to assist students in the acquisition of knowledge and skills that will enable them to achieve greater independence and self-knowledge in the areas of academic and career planning, decision-making, interpersonal and social skills, and self exploration.

We believe that all students should be working toward the creation of a plan that will enable them to successfully compete in today's competitive job market. This plan may include some type of college, military experience, apprenticeship/training and/or direct entry into the labor force. We also believe that students need to realize that the demand for unskilled labor has been drastically reduced over the years, and in order for them to be competitive, some type of additional training beyond and/or supplemental to their high school experience is a necessity for all high school graduates.

Literacy

For the past several years teachers and administrators have been implementing a plan to improve literacy skills of the students at Messalonskee High School. A reading assessment is administered to all freshmen and sophomores and these results provide teachers with individual student information to tailor instruction. Additionally, many teachers at MHS have been involved with ongoing professional development in the field of Adolescent Literacy and numerous strategic interventions that support the Maine Learning Results are widely used in the classrooms to help students become more proficient readers and writers.

Freshman Academy

In order to make the transition a successful one for the freshmen, a group of teachers meet weekly to discuss the literacy demands of the freshman curriculum, how they can personalize learning for the students, and address academic and behavior issues that may arise. As part of the Freshman Academy, senior mentors meet with ninth graders at least once a week in their homerooms to assist students with their transition to the high school.

Full Year Courses

Full year courses in Algebra, Geometry, and Freshman English are offered to accelerate students' skills so that they are more able to meet the high school level learning standards. Placement in these courses is based on reading and math assessments and teacher recommendations.

Students with Disabilities

Messalonskee High School provides a full range of special education services to students with disabilities. If a student is identified as having a disability, a team including the student, the parent(s), a special education teacher, a regular education teacher, an administrator and others as needed develops an individualized education plan (IEP). Each student with a disability is assigned a case manager who is responsible for monitoring the implementation of the IEP.

Homeroom Time

A homeroom time occurs daily for approximately twenty (20) minutes. Homeroom teachers take attendance, read announcements, and may facilitate discussions regarding school policies and procedures. The focus is to build relationships between teachers and students that promote learning, positive behaviors, and involvement in the school community. Students **are required to attend** homeroom every day.

After School Tutorial

Messalonskee High School staffs an after school tutorial program two days a week on Wednesday and Thursday afternoons. A late bus is available to transport students who choose to stay for this program. Students who are referred by their teachers for missing work or for additional instruction may attend. A student who has incomplete or missing work may be required to attend until the work is complete. As a parent, if you are interested in having a student attend the tutorial sessions, please contact your student's teacher or the guidance office.

Learning Center

Students may obtain tutorial help by signing out to the Learning Center. An adult is available to provide academic help or to monitor make-up work.

Summer School

Messalonskee High School offers a regional standards-based summer school program in selected courses. This allows students opportunities to recover credits for failures received in courses that were scheduled during the regular school terms.

3

SOCIAL, CIVIC, AND ACADEMIC EXPECTATIONS

It is the intent of the Messalonskee School District not to discriminate against school employees or students because of race, color, sex, sexual orientation, religion, ancestry or national origin, age, or disability. Discrimination against and harassment of students because of race, color, sex, sexual orientation, religion, ancestry or national origin, or disability are prohibited in any academic, co-curricular, extracurricular, research, occupational training, or other educational programming or activity sponsored by Messalonskee High School.

The RSU #18 Board of Directors has developed policies that describe rights and responsibilities and protect all members of the learning community from discrimination, harassment. The policies can be found on the District web site at www.rsu18.org.

Attendance

Regular attendance is an important factor in academic success. In a high school schedule daily attendance is essential, as many classroom activities cannot be duplicated for individual students who are absent. Classroom instruction, group work, and the discussion and interactions that take place are important components of each course that cannot be replicated through make-up work. For these reasons, all students are expected to be in school, on time, and to attend all assigned classes each day.

Each academic department/teacher may establish course expectations that relate attendance/tardiness to a participation grades. This portion of a student's final grade may count a minimum of 5% but may not exceed 15%.

State law designates five reasons why a school may excuse a student's absence. These five reasons are:

- Personal illness
- An appointment with a health professional that cannot be made outside the school day.
- Observance of recognized religious holidays when the observance is required during the school day.
- A family emergency (verification may be required).
- A planned absence for personal or educational purposes that has been approved by a school administrator in advance.

Technology

Success in post secondary education and in today's world is increasingly dependent on the use of technology. It is expected that students at MHS will effectively use a variety of technology techniques to produce high quality work and to interact with the world, staff and other students. Each student will be issued a laptop computer for use in school and out of school.

Because technology allows access to information and communication that may not be appropriate in the school setting, the Board of Directors has established rules and procedures to govern the use of technology and the responsibilities of the student user. The

rules and procedures can be found in the following Board policies: Student Computer and Internet Use and Student Computer and Internet Use Rules.

Students and parents/guardians must sign a form indicating full understanding of the rules governing the use of technology before access to any technology at MHS can be granted.

Co-Curricular and Extra –Curricular Activities

MHS offers a wide variety of athletic programs and extra-curricular activities for students. All students are strongly encouraged to participate in at least one activity.

Code of Conduct

The following expectations for student behavior are fundamental to a safe, orderly, and respectful school environment. Each student should:

- Be courteous to fellow students, staff, and visitors.
- Respect the rights and privileges of other students and school staff.
- Obey all Board policies and school rules governing student conduct.
- Follow directions from school staff.
- Cooperate with staff in maintaining school safety, order, and discipline.
- Attend school regularly.
- Meet school standings for grooming and dress.
- Respect the property of others, including school property and facilities.
- Refrain from cheating or plagiarizing the work of others.
- Refrain from vulgarity, profanity, obscenity, lewdness, and indecency.

Class Standing, Honor Roll & Report Card

Freshman	Successful completion of Grade 8
Sophomore	Minimum of 6 earned credits
Junior	Minimum of 12 earned credits
Senior	Minimum of 18 earned credits

The above listed credit guidelines project a positive timetable for graduation at the end of four years. Students who are not successful in passing required courses or in attaining credits will experience difficulty in meeting the graduation requirements, and may have to continue for a fifth year, or seek alternate routes for completing their secondary education.

Honor Roll:

High Honors/Distinction:	A Grade Point Average of 93-100
High Honors:	A Grade Point Average of 87-92
Honors:	A Grade Point Average of 83-86

A grade below 70 (C-) or I for an incomplete grade makes a student ineligible for Honor Roll recognition.

Report Cards:

Report cards are issued four times a year. The mark in each subject is reflected by a numerical grade showing student scholarship. The following is an explanation of the grades:

Letter Grade	Acknowledgement
90-100 (A)	Superior
80-89 (B)	Above Average
70-79 (C)	Average
60-69 (D)	Below Average
0-59 (F)	Failure – NO Credit

Standardized Tests

Students take a number of standardized tests during high school. The state and federal law require some tests and some are local requirements designed to help the student, the school and parents/guardians understand and increase student performance and prepare for the future.

Common standardized tests:

PSAT: administered to all students during sophomore year. However, juniors who wish to qualify for the NMSQT (very prestigious scholarship based on exceptional PSAT scores) must take the PSAT during their junior year. Students will receive information in a summer mailing about taking the PSAT and the structure of the exam.

SAT: administered to all juniors in May. Used by many 4-year colleges for admission. Required by State of Maine for all juniors.

SAT Subject Tests: SAT Subject tests are frequently required by 4-year selective institutions, such as Bates, Bowdoin, and Colby. Be sure to know if these exams are required by thoroughly researching admission criteria.

ACT: students may elect to take the ACT, which is comparable to the SAT. Many four-year colleges require either SAT or ACT scores.

ACCUPLACER: The ACCUPLACER is required by all Maine community colleges, and some 4-year colleges use the ACCUPLACER for course placement. It is an un-timed test that covers sentence skills, reading comprehension, arithmetic, elementary algebra, and a writing test. The ACCUPLACER is extremely important for students because it can be used for course placement. If a student does not 'pass' the ACCUPLACER cutoff, they may be assigned to a remedial college course which is required for enrollment but does not count toward graduation. Please see your counselor for more information about the ACCUPLACER. Any Junior has the opportunity to take the ACCUPLACER once for free (as of January 2012).

ASVAB: Required for military branches

HESI: Exam used for admission into several nursing programs.

PowerGrade/PowerSchool

The Messalonskee School District allows parents/guardians to receive an access code and review student grades at any time from home over the Internet via PowerSchool. Student performance can be monitored closely. The program allows teachers to describe assignments, quizzes, tests, and project grades and other learning activities. Since it is a web-based system, any parent with a computer can monitor student progress. The access

codes are available through the main office and the guidance office at MHS. The program is student specific and will also connect with the e-mail address of each teacher on a student's schedule. Codes are not given over the phone or through email. MHS encourages parents/guardians to review PowerSchool regularly and to communicate as necessary with teachers via email.

4

COURSE OFFERINGS AND SPECIAL ACADEMIC PROGRAMS

Following is a list of courses that may be offered for the 2010-2011 school year. Courses that are worth ½ credit meet for a quarter every day or for a semester every other day. One-credit courses, meet every day for a semester. Two credit courses meet every day for the whole year.

MESSALONSKEE HIGH SCHOOL LIST OF COURSE OFFERINGS

Course	Credit	Year(s) Offered
CAREER PREPARATION/TECHNOLOGY		
JMG 9/10	½	9-10
JMG	1	10-12
Technology Trades *	½	9-12
Visual Media I*	½	9-12
Visual Media II*	½	9-12
Web Design and Development*	½	9-12
IT Internship	1	9-12
Advanced Placement Computer Science	2	10-12
ENGLISH		
Freshman Full Year English	2	9
Freshman English	1	9
Sophomore English	1	10
Junior English	1	11
Communication Arts	1	11-12
College Composition	1	11-12
American Literature & Composition	1	11-12
British Literature & Composition	1	11-12
Advanced Placement Literature and Composition	2	11-12
Advanced Placement Language and Composition	2	11-12
Writing for College and Beyond	1	11-12
The English Language & Shakespeare	1	11-12
Poetry and Philosophy	1	11-12
Creative Writing	1	9-12
Advanced Creative Writing	1	9-12
Studies in Science Fiction and Fantasy	1	9-12
Media Literacy and Film Studies	1	9-12
MATHEMATICS		
Pre-Algebra	1	9-12
Algebra I (Full Year)	2	9-12
Algebra I (Semester)	1	9-12
Geometry (Full Year)	2	9-12
Geometry (Semester)	1	9-12
Algebra II Part A	1	9-12
Algebra II Part B	1	9-12

College Algebra	1	11-12
Algebra II (Semester)	1	9-12
Statistics	1	10-12
Pre-Calculus	1	10-12
Accelerated Pre-Calculus	1	9-12
Calculus	1	10-12
Advanced Placement Computer Science	2	9-12
Advanced Placement Statistics	2	10-12
Advanced Placement Calculus AB	2	10-12
Advanced Placement Calculus BC	1	11-12
Robotics	1	9-12
Pre-Engineering	1	9-12

MODERN AND CLASSICAL LANGUAGES

French		
Beginning French (Stage 1)	1	9-12
Beginning French (Stage 2)	1	10-12
Intermediate French (Stage 1)	1	10-12
Intermediate French (Stage 2)	1	11-12
Advanced French	1	11-12
Latin		
Beginning Latin (Stage 1)	1	9-12
Beginning Latin (Stage 2)	1	10-12
Intermediate Latin (Stage 1)	1	10-12
Intermediate Latin (Stage 2)	1	11-12
Advanced Latin	1	11-12
Greek		
Greek Literature I	1	11-12
Greek Literature II	1	11-12
American Sign Language		
American Sign Language I	1	9-12
American Sign Language II	1	9-12
Spanish		
Beginning Spanish (Stage 1)	1	9-12
Beginning Spanish (Stage 2)	1	10-12
Intermediate Spanish (Stage 1)	1	10-12
Intermediate Spanish (Stage 2)	1	11-12
Advanced Spanish	1	11-12

PHYSICAL EDUCATION AND HEALTH

Health	½	10
Personal Fitness and Sport	½	9-12
Dance*	½	9-12
Coaching/Peer Teaching	½	10-12
First Aid/CPR	½	10-12
*Satisfies ½ fine art credit		

SCIENCE

Biology	1	9-12
Applied College Prep Chemistry	1	10-12
Chemistry A	1	10-12
Chemistry B	1	10-12
Physics A (Linear Mechanics	1	11-12
Physics B (Electricity, Magnetism, & Wave Lengths)	1	11-12
Physical Science	1	10-12
Environmental Science	1	11-12
Human Anatomy & Physiology	1	10-12
Advanced Placement Biology	2	11-12
Advanced Placement Chemistry	2	11-12
Forensic Chemistry with Lab	1	10-12
Wildlife and Land Management with Lab	1	10-12

SOCIAL STUDIES

Modern World History	1	9
Modern U.S. History	1	10
Advanced Placement U.S. History	2	11-12
Advanced Placement European History	2	10-12
Civics: Government and Economics	1	11-12
Holocaust and Human Rights	1	10-12
Criminal Justice	1	10-12

VISUAL AND PERFORMING ARTS

Advanced Art*	1	10-12
Intermediate Art*	1	10-12
Beginning Art*	1	9-12
Book Arts*	½	9-12
Craft Techniques*	½	9-12
Dance*	½	9-12
Digital Art and Design*	½	10-12
Digital Photography*	½	9-12
Drama 1*	1	9-12
Drama 2*	1	9-12
Drawing*	½	9-12
Graphic Art & Design*	½	9-12
Music, Instrumental and Band*	1	9-12
Music, Vocal and Choral*	1	9-12
Painting*	½	9-12
Pottery*	½	9-12
Photo Stories*	½	9-12
Metal Sculpture*	½	9-12
Sculpture*	½	9-12
Social Issues Forum (Speech and Debate)*	1	9-12
The Art of Digital Photography*	½	9-12
Musical/Audio Productions*	1	9-12

* Satisfies ½ fine arts credit

SPECIAL ACADEMIC PROGRAMS

College Classes

Students are encouraged to enroll in classes at local colleges to supplement their high school program. Kennebec Valley Community College, Thomas College, the University of Maine at Augusta, the University of Maine at Farmington, Colby College, and the University of Maine offer students opportunities to take classes on a free or reduced tuition basis. Research supports the theory that when a high school student takes a college course before graduating from high school, they are more likely to successfully attend some form of post-secondary education. Many colleges also offer students on-campus summer programs. Students should meet with their counselor to get more information on any of these opportunities.

In addition to the courses students may be eligible to take at nearby colleges, MHS has partnered with KVCC and Thomas College to offer two dual enrollment courses at MHS; College Composition and College Algebra. KVCC recommends that students take the Accuplacer Exam before enrolling in the College Composition course. All students will have the course listed on their MHS and college transcripts. Students are responsible for determining if/how the course may transfer to other colleges/universities.

Virtual High School

The mission of Virtual High School is to develop and deliver standards-based, student-centered online courses to expand students' educational opportunities and 21st century skills and to offer professional development to teachers to expand the scope and depth of their instructional skills.

Messalonskee HS has partnered with other area high schools to offer VHS classes to our students. Virtual High School classes are usually for elective credit only, and are run 100% online. Courses range from Animation to Forensics to World Conflict, in addition to hundreds of other options across disciplines. Students must have dependable Internet access and should have strong time management/organizational skills. VHS classes will appear on a student's transcript, and their grade will be counted in a student's overall GPA. For more information about VHS courses, please see Mr. A. Haynie, a guidance counselor, or go to www.govhs.org. There are a limited number of slots each semester.

Advanced Placement Courses

Students have the opportunity to enroll in a number of Advanced Placement (AP) Courses. Developed by a committee of college faculty and AP teachers, each AP course covers the breadth of information, skills, and assignments found in the corresponding college course. Each AP course has a corresponding exam that participating schools worldwide administer in May. These weighted courses provide students with a highly rigorous experience that will prepare them for the college setting. All of our AP course syllabi have been audited and approved by the College Board. More information on AP courses is available at www.collegeboard.com. Due to enrollment numbers, some of our AP courses may be offered on an every other year basis. A student who does not complete an AP course in its entirety will receive a "withdraw" from the course, which will be reflected on the high school transcript. AP courses are weighted at a 1.25 value.

Jobs for Maine's Grads

The JMG program provides courses taught by a job specialist. Students learn employment-based competencies, have opportunities for membership in the career association, participate in community service, and receive academic support. (See course description in Career Prep section.)

Alternative Education

Alternative Education is provided for students who, for a variety of reasons, do not experience success in the regular school program. The Alternative Education Program is structured to provide a disciplined, individualized, and alternate method of delivering instruction in a small group setting. Application for this program may be made through a counselor or administrator. Placement is based on need, availability of space in the program, a student's willingness to participate, parent involvement, and the recommendation of the Alternative Education Team.

Mid-Maine Technical Center Courses

Mid-Maine Technical Center is a career/technical center located on the campus of Waterville High School. Mid-Maine TECH offers twenty-four technical courses to area high school students. All courses have been approved for 3 high school graduation credits.

Mid-Maine Technical Center courses are offered in two blocks, morning and afternoon. While specific arrival/departure times vary slightly from school to school, the general schedule is as follows: AM Block: 8:30 – 10:45 and PM Block: 11:20 – 1:35

Participating high schools include: Lawrence, Messalonskee, Waterville, and Winslow High Schools. Students attend Mid-Maine Technical Center as part of their regular academic schedule, while taking academic courses at their sending school. Bus transportation to and from Mid-Maine TECH is provided by each school district. Enrollment in Mid-Maine Technical Center courses is arranged through the high school Guidance Department. There is no cost to the student for TECH Center courses.

Integrated credits may also be earned for high school graduation through completion of some Mid-Maine TECH courses. Prior approval from a guidance counselor must be obtained before seeking academic credit. Students who pass the academic requirements and technical program receive two credits for their technical program and one credit in fine arts, math, physical education, or science.

Formal agreements with community colleges provide Mid-Maine TECH students with the opportunity to earn college credits through Mid-Maine TECH courses of study. Students in eligible courses are simultaneously enrolled in Mid-Maine TECH and a Community College. Upon completion of course requirements, students are issued a college transcript in addition to their high school grade reports. This is referred to as a dual credit program.

All courses at Mid-Maine Technical Center have achieved National Program Certification or are using Maine State Licensing standards, which provides the opportunity for students to earn over fifty (50) industry-recognized certification.

COURSE DESCRIPTIONS

5

You will find a comprehensive list of courses in this section of our course selection guide. Enrollment numbers, staffing, and facility availability are all considerations when selecting the courses scheduled each year. Even though a course may appear in the course selection guide, it may not be offered every year.

Course Level Information

Some courses are designated in two levels. The level designations are CP4 and CP2. The letters CP stand for College Preparatory. CP4 courses are designed to prepare students for admission to four-year colleges and universities. CP2 courses are designed to prepare students for admission to two-year and community colleges, as well as for additional occupational and educational training opportunities and military enlistments.

During the registration process each year, teachers recommend students for a specific academic level. Questions regarding placement may be addressed to a student's teacher, or may be facilitated through the counseling department or high school administration.

English/Language Arts

Freshman English (CP4) HS12104

Grade 9

Students read and analyze a variety of short stories, novels, poems, and plays. They improve their writing through a range of short themes and longer essays, emphasizing grammar, coherent paragraphing, and formal use of evidence.

1 credit

Freshman English (CP2) HS12102

Grade 9

This course stresses the broadening and strengthening of students' skills in all areas of literacy. Students read in a variety of literary genres: novels, short stories, and plays. Students focus on the development of arguments, and on coherent paragraphing, sentence variety, vocabulary, and the use of correct grammatical structure.

1 credit

Freshman English 9 HS12111/12112

Grade 9

This course is designed to improve students' ability to read and interpret a wide variety of fiction and non-fiction. The course emphasizes vocabulary, reading comprehension, writing, and study skills. This course will count as one required English credit and one elective credit. This course meets every day for two semesters.

2 credits

Sophomore English (CP4) HS12204

Grade 10

This course focuses on the close study of great works of European and other Western literature. The course is linked with the writing process through instruction in grammar, analytical essays, and creative projects. The course also includes instruction in oral expression.

1 credit

Sophomore English (CP2) HS12202

Grade 10

This course is divided into four major parts: grammar, writing, reading novels and plays, and vocabulary. The course also includes instruction in oral expression. The composition section of the course stresses the coherent unified essay.

1 credit

Junior English (CP2) HS12302**Grade 11**

This course will provide continued support for students needing help developing fundamental skills in reading and writing. Instruction will emphasize improving reading comprehension of both fiction and non-fiction, developing vocabulary, and improving basic writing skills, with the goal of helping students to prepare to succeed in the senior English offerings and in their post-secondary studies. Readings in fiction will be drawn from American literature, and readings in non-fiction will focus on issues essential to students' adult participation in our democracy.

1 credit**American Literature and Composition HS12500****Grades 11-12**

This four-year college preparatory course focuses on the close study of great works of American literature, including *The Great Gatsby* and *The Catcher in the Rye*. Additional reading may include other novels, short stories, narrative and lyric poems, plays, and essays. Writing assignments, primarily in response to the literature studied, encourage students to practice the clear, logical, coherent, stylistically appropriate expository prose they might use in any college course.

1 credit**British Literature and Composition HS12502****Grades 11-12**

In this four-year college preparatory course, students analyze selected British literary works, which may include narrative and lyric poems, plays, essays, short stories, and novels. Writing assignments, primarily in response to the literature studied, encourage students to practice the clear, logical, coherent, stylistically appropriate expository prose they might use in any college course. Juniors planning to take AP Literature in the senior year are encouraged to choose a different option, because of an overlap of curriculum.

1 credit**AP Language and Composition HS11011/11012****Grades 11-12**

AP Language and Composition is a rigorous course of study designed for highly motivated juniors and seniors who wish to study English at the college level. Students engage with a wide array of **print, visual, and audio compositions including essays, articles, editorials, speeches, films, photographs, advertisements, and radio broadcasts**. The course is generally arranged by topical units, each focused on a particular subject. Coursework includes studies in grammar, mechanics, and writing style. Students take the Advanced Placement examination in May. This is a two-credit course that meets every day for two semesters, resulting in two MHS English credits. Success on the exam usually results in one college credit and/or advanced placement in college. Students are encouraged to speak to the AP Language and Composition teacher for further information.

2 credits**Advanced Placement Literature and Composition HS11021/11022****Grades 11-12**

This course is for strong English students who want the challenge of a college English class while still in high school. Students read and analyze a wide range of British and American literature, from *Beowulf* to contemporary works. In class discussion, analytical essays, and other writing assignments, students develop the range, the subtlety, and the precision of their responses to imaginative literature-- poetry, prose fiction (both novels and short stories), plays, and literary non-fiction. At the end of the year, students are required to take the Advanced Placement Examination in English Literature and Composition. This course requires summer reading, available from the instructor at the end of the current academic year. This course meets every day for two semesters.

2 credits

College Composition HS12506**Grade 12**

This is offered as a dual-enrollment course. College Composition emphasizes critical reading and thinking as part of the process of producing clear, logical, and effective writing. This course assumes students' understanding of the basic components of writing, including mastery of the basic structures of sentences and basic grammar. Students practice writing skills and apply them through numerous writing assignments. In addition, students are required to do research and write a research paper. Students completing the course with a grade of C or above will receive College Composition credit from Kennebec Valley Community College. Students must take the Accuplacer exam as a condition for registration. Enrollment is based on students' goals and an assessment of past grades combined with standardized testing scores.

1 credit**Writing for College and Beyond HS12504****Grades 11-12**

This is a composition course, similar to the dual-enrollment College Composition course (see the description above), designed for students intending to attend two-year community college or vocational programs. Unlike College Composition, the course does not require, as a condition for registration, that students take the Accuplacer exam. Topics covered in the course will be similar to those covered in College Composition, without the required research paper.

1 credit**Communication Arts HS12508****Grades 11-12**

Students blend readings in contemporary nonfiction and literature with in-depth research and writing to communicate ideas through video, documentary, journalism, essay, website development, and other forms of new media. This college preparatory course mixes collaborative and independent research with media production to provide students multiple approaches to connect concepts developed in the classroom to a variety of audiences. No previous experience with media production or web design necessary.

1 credit**English Language & Shakespeare HS12510****Grades 11-12**

The English Language portion of this course will provide students with an opportunity to study in detail the richness and complexity of our language, both as we write and speak it today and as it has developed over time, from the Middle Ages to the present. Students will broaden their vocabularies, develop their understanding of written style, and develop a thorough understanding of grammar, with an emphasis on using this knowledge to improve their reading and their writing. The Shakespeare portion provides students with the opportunity to do close analytical reading of two of William Shakespeare's greatest plays, examining language, imagery, and the development of character and ideas. Reading includes not only the plays themselves, but also a variety of non-fiction: essays analyzing and commenting on the plays, reviews of productions of the plays (including films), and essays revealing the lasting impact the plays have had on individual people and our culture as a whole.

1 credit**Poetry/Introduction to Philosophy HS12512****Grades 11-12**

The reading and writing of poetry and songs portion of this course provides students with an opportunity to do detailed, rigorous, reading of poetry and songs and to make both analytical and creative responses to texts they read, including the work of established poets and songwriters and their own work. By reading, analyzing, and writing about both primary texts (poems and songs) and secondary texts (expository, argumentative essays about the primary texts), students will develop vocabulary and reasoning and writing skills that will make them more adept at all kinds of reading and writing. In the areas of the course dealing with songs, no previous musical knowledge is needed. Students who wish to set

their work to music are encouraged, but not required to do so. The introduction to the philosophy portion of this course provides students with grounding in philosophical reasoning, for the purposes of improving their own written and spoken arguments and increasing their understanding of the written and spoken arguments of others. Students will study the fundamentals of logic and explore a wide range of philosophical ideas as they appear in non-fictional and literary texts and in films.

1 credit

ENGLISH ELECTIVES (These courses are for elective credit)

Creative Writing HS12901

Grades 9-12

In this course designed for people with a strong interest in writing, students will develop their writing skills through specific writing assignments and independent projects, while working in a variety of genres, including poetry and short fiction. Depending on the interests and the composition of the class, students might also write personal essays and/or plays. Because every writer must learn, in part, from the masters of the craft, reading assignments will be required.

1 credit

Studies in Science Fiction and Fantasy

Grades 9-12

Science fiction and fantasy is often viewed as adventures in space with aliens. Good science fiction and fantasy is far more; it is an exploration of the challenges humans face as we move into the future. Through the reading and study of the best examples of the genre, students will explore themes of their own choosing. They will further the ideas raised through the readings with relevant non-fiction in order to develop well-supported arguments of their own. These will become the springboard for class discussion and debate. Students must be prepared to present and defend ideas in class, as well as to develop their ideas in writing. Though a core text is required, students will also exercise considerable independent reading choice.

1 credit

Advanced Creative Writing

Grades 9-12

This elective is an extension of the current Creative Writing course, providing an opportunity for students with a passion for writing fiction and poetry to continue their studies beyond the scope of the introductory course. Assignments will be a combination of individualized projects, based on each student's interests, and full-class assignments designed to give students instruction and practice in sophisticated narrative techniques, the development of precise and multi-layered diction, advanced syntactical structures, rhythm of prose and poetry, and sonic patterning.

Prerequisite: Creative writing

1 credit

Film and Media Studies

Grades 9-12

This course takes an in-depth look at the ways the media reflects and shapes our culture. Through the analysis of film, advertising, and print material, students will develop a deeper understanding of the way media is formulated and the way it impacts their own ideologies. In class discussions and written analysis help students further develop basic written and verbal communication skills while also supplying them with the skills they need to navigate today's media saturated world.

1 credit

Mathematics is increasingly important in our society. Many changes are occurring at the state and national level, which necessitate greater emphasis on a standards-based mathematics curriculum. The mathematics department is committed to success for all students and has endeavored to create pathways, which not only meet the needs of the individual, but also provide support for success. All students entering the Messalonskee High School Mathematics program will be appropriately placed using a placement test. We strongly recommend that all students complete mathematic classes up to and including a minimum of Algebra Two and a senior year math class, in order to meet the standards specified in the Maine Learning Results. Please contact the Mathematics Department and/or Guidance Office if you have concerns at any time about your child's progress.

Pre-Algebra: HS32100

Grades 9- 12

This course addresses students who need additional development in basic mathematics content skills, such as number sense, computation and problem solving. In addition, the course emphasizes the development of life skills, such as work ethic, organization, meeting deadlines and attendance. Enrollment is by teacher recommendation, placement test and Mathematics Dept Chair approval only.

1 credit

Algebra One (Full Year) (CP4): HS32121/32122

Grades 9-12

This full year Algebra One course is tailored to the student who requires additional time to master concepts in mathematics. Topics include the real number system, solving equations, inequalities, absolute values, matrices, linear, exponential and quadratic functions, polynomials, data analysis, probability and statistics. The use of hands-on activities, projects and technology will be threaded throughout, as well as tutorial and supervised study. Enrollment is by placement test. An Algebra One Proficiency exam is given at the end of the course in order to comply with School Board Policy. This course meets every day for two semesters. Successful completion of the first semester is required in order for the student to continue with the second semester. Students are prepared to continue with Geometry and/or Algebra Two.

2 credits

Algebra One (Semester) (CP4): HS32120

Grades 9-12

Semester Algebra One includes topics such as the real number system, solving equations, inequalities, absolute values, matrices, linear, exponential and quadratic functions, polynomials, data analysis, probability and statistics. Use of technology is threaded throughout the course. Enrollment is by placement test. An Algebra One Proficiency exam is given at the end of the course in order to comply with School Board Policy. Students are prepared to continue with Geometry and/or Algebra Two.

1 credit

Geometry (Full Year) (CP4): HS32221/32222

Grades 9-12

This full year Geometry course is tailored to the student who requires additional time to master concepts in mathematics. Topics include an introduction to the basic properties of plane and solid figures such as triangles, quadrilaterals, polygons, circles, polyhedron, basic trigonometry, area, volume, coordinate and transformational geometry. The concepts of deductive and inductive proof are studied. Geometer Sketchpad and the use of hands-on activities, projects and technology will be threaded throughout, as well as tutorial and

supervised study. Enrollment is by teacher recommendation. This course meets every day for two semesters. Successful completion of the first semester is required in order for the student to continue with the second semester. Students are prepared to continue with Algebra Two. **Prerequisite: Algebra One** **2 credits**

Geometry (Semester) (CP4): HS32204

Grades 9-12

The focus of this course includes an introduction to the properties of plane and solid figures such as triangles, quadrilaterals, polygons, circles, polyhedron, basic trigonometry, area, volume, coordinate and transformational geometry. The concepts of deductive and inductive proof are studied. Geometer Sketchpad and the use of hands-on activities, projects and technology will be threaded throughout. Students are prepared to continue with Algebra Two. **Prerequisite: Algebra One** **1 credit**

Algebra Two-Part A (CP4): HS32305

Grades 9-12

Algebra Two-Part A is tailored to the student who requires additional time to master concepts in mathematics. This course is the first half of a two-part Algebra Two course. Completion of both Algebra Two-Part A and Algebra Two Part B is required in order to cover all topics required in Algebra Two. Topics in Algebra Two-Part A include basic arithmetic, the real number system, linear, quadratic, polynomial functions, matrices, complex numbers and extensive attention to word problems involving real life applications and higher order thinking skills. Hands-on activities, projects and technology are used throughout the course. Curriculum Research Projects are available upon request. Successful completion of Algebra Two-Part A is required in order for the student to continue with Algebra Two-Part B. **Prerequisite: Algebra One** **1 credit**

Algebra Two-Part B (CP4): HS32306

Grades 9-12

Algebra Two-Part B is tailored to the student who requires additional time to master concepts in mathematics. This course is the second half of a two-part Algebra Two course. Algebra Two-Part B is designed to complete the Algebra Two Course. Topics include SAT review, logarithmic, exponential functions, conics, sequence, series, trigonometry, data analysis, probability and statistics, and extensive attention to word problems involving real life applications and higher order thinking skills. Hands-on activities, projects and technology are used throughout the course. Curriculum Research Projects are available upon request. **Prerequisite: Algebra Two-Part A** **1 credit**

Algebra Two (Semester) (CP4): HS32304

Grades 9-12

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, functions, matrices, complex numbers, conics, logarithmic and exponential functions, data analysis, probability and statistics. Hands-on activities, projects and technology are used throughout the course. Curriculum Research Projects are available upon request. **Prerequisite: Algebra One** **1 credit**

College Algebra (CP4): HS32310

Grades 11-12

This course is a dual-enrollment course designed in coordination with Thomas College standards and will allow students who pass the course with a grade of C or better to earn college credits. The focus of this course is on problem solving and combines traditional problem-solving methods and modern graphing technologies. Students will be asked to solve problems modeled by a variety of functions (linear, quadratic, absolute value,

polynomial, exponential and logarithmic). The central theme of this course is real-world applications from traditional disciplines such as the physical sciences and engineering, as well as applications from business, economics, social sciences, life sciences, health sciences, sports and other areas of student interest. This course strives to provide a solid foundation that will build success in future studies of mathematics while concurrently providing students with college experience and credits while in a high school setting.

Prerequisite: Junior or Senior Standing and Successful Completion of Algebra Two 1 credit

Statistics (CP4): HS32910

Grades 10-12

This course is an introduction to basic Statistics. It will include descriptive statistics, sampling techniques, data patterns, elementary probability, normal distributions and inference. Real world applications using technology will be an integral part of this course. A graphing calculator is required; the TI-83 Plus or TI-84 is recommended.

Prerequisite: Successful Completion of Algebra Two

1 credit

Pre-Calculus (CP4): HS32404

Grades 10-12

This course is designed for college-bound juniors and seniors intending to study calculus. Topics include families of curves, functions, graphing, logarithmic and exponential functions, trigonometry, data analysis, and statistics. Curriculum Research Projects are available upon request. A graphing calculator is required; the TI-83, TI-84 or TI-89 is recommended. **Prerequisite: Successful Completion of Algebra Two**

1 credit

Accelerated Pre-Calculus (CP4): HS32414

Grades 9-12

This course is designed for college-bound students intending to study Advanced Placement Calculus. A graphing calculator is required; the TI-89 is recommended. Topics include families of curves, functions, graphing, logarithmic and exponential functions, trigonometry, data analysis, and statistics. Curriculum Research Projects are available upon request.

Prerequisite: Successful Completion of Algebra Two

1 credit

Calculus (CP4): HS32424

Grades 10-12

This semester long course offers an excellent introduction to Calculus while creating a solid foundation for those students wishing to enroll in Advanced Placement Calculus or another college level mathematics course. Topics include an extensive review of Pre-Calculus concepts, limits, derivatives and applications of derivatives. A graphing calculator is required; the TI-83, TI-84 or TI-89 is recommended. Curriculum Research Projects are available upon request. **Prerequisite: Pre-Calculus**

1 credit

Advanced Placement Statistics: HS31911/31912

Grades 9-12

This full year course will follow the College Board syllabus for Advanced Placement Statistics. The course is broken up into four parts and will focus on data analysis, data production, probability, and statistical inference. Emphasis will be placed on statistical thinking and reasoning. Much of the data used will be real data found either in the textbook, online, or collected by the students. Computer and calculator applications will be used extensively. Students must have a solid foundation in Algebra Two. A graphing calculator is required; the TI-83Plus or TI-84 is recommended. All students will be required to take the Advanced Placement test in May. Curriculum Research Projects are available upon request. This course meets every day for two semesters.

Prerequisite: Successful Completion of Algebra Two

2 credits

Advanced Placement Calculus AB: HS31311/31312**Grades 10-12**

This full year course follows the College Board syllabus for Advanced Placement Calculus AB. Topics include functions, limits, differential and integral calculus. A graphing calculator is required; the TI-89 is recommended. All students will be required to take the Advanced Placement test in May. Curriculum Research Projects are available upon request. This course meets every day for two semesters. **Prerequisite: Pre-Calculus** **2 credits**

Advanced Placement Calculus BC: HS31321/31322**Grades 11-12**

This course will follow the College Board syllabus for Advanced Placement Calculus BC. This course is a continuation of AP Calculus AB and covers additional topics such as indefinite integrals, differential equations, parametric equations, polar functions and Infinite Series. A graphing calculator is required; the TI-89 is recommended. All students will be required to take the Advanced Placement test in May. Curriculum Research Projects are available upon request. This course meets on alternating days (R/W) for two semesters. **Prerequisite: AP Calculus AB** **1 credit**

Advanced Placement Computer Science A: HS31921/31922**Grades 10-12**

This full year course follows the College Board syllabus for Advanced Placement Computer Science A. This course will be taught in the java language and focus on object-oriented programming methodology with an emphasis on problem-solving and algorithm development. Technology will be used daily. All students will be required to take the AP Computer Science A exam in May. A Comprehensive Research Project is available upon request. This course meets every day for two semesters.

Prerequisite: Concurrent enrollment or Successful Completion of Algebra Two **2 credits**

MATHEMATICS DEPARTMENT ELECTIVES**Robotics; Design, Create and Understand: HS32920****Grades 9-12**

The course will focus on how math and science are used in the world of robots. This will be a hands-on, project-based course that will rely on theory to explore design concepts. Students interested in working with the FIRST-based high school Robotics Team are encouraged to sign up for this course, as well as students who are interested in engineering and design.

Pre-Requisite: Concurrent enrollment or Completion of Algebra Two credit **1 credit**

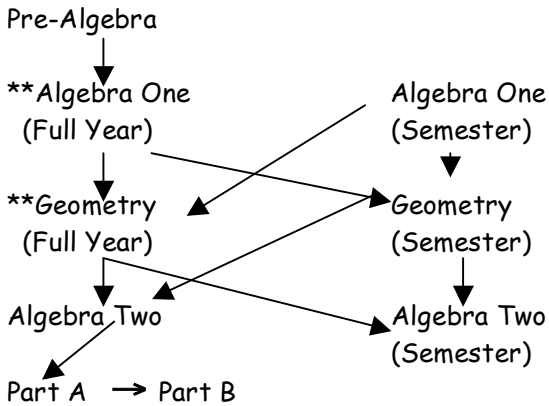
Pre-Engineering**Grades 9-12**

“Engineering is the profession in which knowledge of the mathematical and natural sciences, gained by study, experience, and practice, is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of mankind.”
Albert Einstein

Using activities, project, problems, computer simulations, and discussions with practicing engineers, students will learn first hand how engineers and technicians integrate math, science, and technology in an engineering problem-solving process to develop products and solutions that benefit people. Upon completion of this course, students will have a better

understanding of the fields of Engineering and technical processes. **Prerequisite:**
Successful completion of Algebra 2. **1 credit**

Messalonskee High School
 Mathematics Department
 Course Offerings 2012-2013

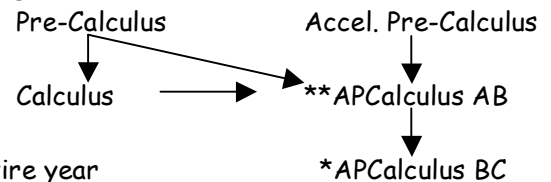


Mathematics Offerings following the completion of Algebra Two

(All students are encouraged to try any of the following math offerings)

- ***College Algebra
- Robotics
- **AP Statistics
- Pre-Engineering
- Statistics
- **AP Calculus
- **AP Computer Science

- *one credit course which runs on alternating days (R/W) for the entire year
- **two credit course, which runs every day for the entire year
- ***Dual enrollment course with Thomas College



Social Studies

The philosophy of the Social Studies Department is to help each student become an independent thinker and a responsible participating citizen of a democratic society. All students are required to take three credits of Social Studies. Required courses are Modern World History, Modern U.S. History, and Civics.

Modern World History (CP4, CP2): HS52104/52102 **Grade 9**

This survey course is designed to examine Modern World History from 1500-present day. Major eras and developments will be considered, beginning with the Age of Absolutism in Europe and concluding with Africa and India at the close of the twentieth century. Students will consider historical themes such as government, law, society, technology, conflict and trade, making connections between various historical eras and our world today. Comprehension, evaluation, and analysis of primary and secondary source materials are stressed. Students will also develop research skills, learning to produce a formal paper in accord with the format rules of the Modern Language Association. **1 credit**

Modern U.S. History (CP4, CP2): HS52204/HS54202**Grade 10**

This course examines U.S. History by analyzing major events from 1898 to the present. The content includes an overall view of the political, economic, social, and governmental development of the United States. Students become involved in the process of history by viewing contemporary issues with a well-rounded historical perspective. Acquired skills in content reading comprehension, interpretation, analysis and synthesis are fortified. Students develop a sound foundation for decision-making and determining values in our democratic society

1 credit**Civics: Government and Economics (CP2, CP4):****Grades 10-12**

The goal of civics instruction is to develop in all students the knowledge and skills for informed, responsible participation in public life. Instruction will provide us an understanding of politics and government and the skills of good citizenship. Students will develop an understanding of the values and principles of American constitutional economic. In order to be productive citizens, students must understand the basic economic principles, how our economic system works, and how other economic systems work. They must learn to make wise economic decisions about their own lives and become intelligent consumers, employers, and workers. A solid grounding in economics will help students prepare for the global marketplace.

Government and economics are tied together in our civic system. These include, but are not limited to:

- How the U.S. Constitution shaped the economic system
- Whether economic freedom is necessary for political reform
- Economic impact on presidential elections
- Costs and benefits of voting
- Changes in federal government spending
- How economic solutions to pollution differ from political ones
- Why income is not more equally distributed
- Why governments limit international trade

1 credit**Holocaust and Human Rights****Grades 10-12**

This elective course provides the students an interdisciplinary approach to citizenship education. Students will become familiar with the rise of Nazi Germany, and the attempt to exterminate the Jews of Europe. Also, students will study the aftermath of the war and the trials at Nuremberg, designed to punish those who committed horrible crimes against humanity. The focus on the Holocaust will be used as a springboard in the study of other cases of genocide and human rights violations throughout the world; both past and present. This course will give the student an understanding of their civic duty and a better idea of the problems outside their own country.

1 credit**Criminal Justice****Grades 10-12**

This elective course provides the students with knowledge and skills necessary to survive in our society. Emphasis is placed upon criminal and constitutional law and its application to everyday life. Practical information and problem-solving opportunities help students make legal decisions as young adults. The class will include an analysis of the major components of the criminal justice system, their inter-relationship, and civic responsibility in the administration of justice

1 credit**Advanced Placement European History: HS5011/51012****Grades 9-12**

This is a course intended for students who wish to complete classes in secondary school equivalent to college introductory courses in European history. In considering European history since 1450, this course introduces students to intellectual, cultural, economic, political and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movement, the goals of A.P. European History are to develop the following:

1. An understanding of some of the principal themes in modern European history
2. An ability to analyze historical evidence and historical interpretation
3. An ability to express historical understanding in writing

All students will be required to take the Advanced Placement test in May. This course meets every day for two semesters. **2 credits**

Advanced Placement U.S. History: HS51021/551022 **Grades 10-12**

This course is designed to be equivalent to a college freshman survey course. Students acquire an understanding of factual material before embarking on the interpretation of primary sources, secondary sources, conflicting opinions, and contrary analysis. *All students will be required to take the Advanced Placement exam in May. This course meets every day for two semesters.* **2 credits**

Science

The Science department is committed to preparing students for a world being transformed by the extraordinary growth of scientific knowledge. We provide each student with the knowledge base to help them understand the structure, processes, and interactions of the living and non-living world. Laboratory experiences familiarize the student with the scientific method, experimental techniques, and independent and small group work. We also help students develop literacy skills including purposeful reading of a variety of materials, and writing to analyze lab results and to relate science concepts to real-life situations. **Each student must successfully complete three science courses in order to meet graduation requirements, one of which must be a lab science. Starting with the class of 2014, required courses include a biology and a chemistry course with at least one additional science course.**

Biology CP: (HS42102/HS42104) **Grades 9-10**

This course is intended as a general survey of biological principles, fundamental vocabulary, and basic laboratory techniques. The topics included for study include molecular structure, cell function and structure, cellular reproduction, classical genetics, DNA, RNA, protein synthesis, and evolution. The course material is often presented in a lecture-discussion style and includes demonstrations and student lab experiences. The 102 course provides additional reading and learning support for students as needed. **1 credit**

Applied College Prep Chemistry: (HS42202) **Grades 10-12**

This course emphasizes applications of chemistry to real world situations. Less math oriented than Chemistry A and B, it provides frequent lab activities and problem solving experiences. Students acquire understanding of chemical concepts as they apply to real world experiences and issues from food chemistry to fossil fuels and alternative energy.

Recommended: Biology and Algebra 1

1 credit

College Prep Chemistry A: (HS42214)

Grades 10-12

This is the first in a sequence of two laboratory courses 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 formulas and equations, atomic structure, the periodic table, kinetic theory, and the gas laws. For a full understanding of chemistry, students are encouraged to enroll in both this course and College Prep Chemistry B. **Prerequisite: Algebra 1**

1 credit

College Prep Chemistry B: (HS42224)

Grades 10-12

In this course students use the knowledge and skill acquired in Chemistry A to explore new topics, which include bonding, molecular structure, solutions, acids and bases, and oxidation-reduction. 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: Biology and College Prep Chemistry A

1 credit

Physical Science CP: (HS42920)

Grades 9-12

This course uses a laboratory activities, discussion and mathematical models to enable students to explore the physical world of motion and current electricity. The CASTLE curriculum is used to develop an understanding of current electricity and the scientific method. The course then develops mathematical models, which can be used to predict the motion of objects and how to change the motion of objects.

1 credit

College Prep Physics A: (Linear Mechanics)

Grades 11-12

This course will cover mechanics, which will include the study of motion, the causes of motion, Newton's laws, circular and rotational motion, and conservation of energy and momentum. It will utilize physics modeling techniques, which emphasize the student as the scientific investigator. **Prerequisites: Algebra 2 and Geometry**

1 credit

College Prep Physics B: (Electricity, Magnetism & Wave Mechanics)

Grades 11-12

This course will cover light and optics, electricity and magnetism. We will study the nature of light, reflection, refraction, diffraction, lenses, and interference. We will also study static electricity, electrodynamics, and electromagnetism. **Prerequisite: College Physics A**

1 credit

Environmental Science: (HS42910)

Grades 10-12

The goal of this elective course is to provide students with insights into various environmental problems and further their understanding of the environment. Topics include ecological principles, pollution, loss of biodiversity, climate change, and population issues. Case studies, outside readings, and examination of environmental issues facing Maine will supplement regular class work. **Prerequisites: Biology**

1 credit

Human Anatomy and Physiology CP: (HS42930)

Grades 10-12

Offered as an elective to college-bound juniors and seniors, this course will investigate the structure (anatomy) and function (physiology) of the human body, and the dynamic

relationships between the body systems. It will provide all interested students with a deeper understanding of the workings of the human body, and serve as a firm foundation for those considering careers in health care. Lab investigations, dissections, demonstrations, and student projects will reinforce the concepts introduced by the readings and lectures. **Prerequisites: Biology** **1 credit**

Advanced Placement Biology; (HS41111/HS41112) **Grades 11-12**

AP Biology is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The topics include biochemistry, cells, genetics, evolution, microbiology, plants, animals and ecology. The course differs from introductory Biology as a college text is used, the depth of coverage is deeper, and the time and effort as well as the laboratory work required are greater. This course is designed to be taken after successful completion of Biology and Chemistry. It provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. All students will be required to take the Advanced Placement test in May. This course meets every day for two semesters. If a student has not met the pre-requisites, they must speak to the AP teacher in advance of enrolling in the class.

Prerequisites: Biology and Chemistry

2 credits

Advanced Placement Chemistry (HS41811/HS41812) **Grades 11-12**

AP Chemistry is designed to provide the equivalent of a first-year college general chemistry experience, leading up to taking the AP Chemistry exam in the spring (required of all students taking the course). Topics include: atomic and quantum theory, chemical equations and stoichiometry, gases and kinetic molecular theory, chemical bonding and molecular shapes, kinetics and equilibrium, and an overview of the major types of chemical reactions. The course utilizes a college level textbook, and requires a high level of independent learning. The class will place an emphasis on analytical problem solving skills, as well as scientific communication through the writing of formal lab reports. This course meets every day for two semesters. If a student has not met the pre-requisites, they must speak to the AP teacher in advance of enrolling in the class.

Prerequisites: Biology and Chemistry

2 credits

Wildlife and Land Management with Lab: **Grades 10-12**

This course is a comprehensive study of Maine flora, birds, mammals, reptiles, amphibians, and fish and their role in ecological communities. Students will learn forestry practices, as it is necessary to manage the land in order to manage the wildlife. This course is geared towards students with an interest in wildlife ecology and conservation as well as those who plan to pursue a career in forestry or environmental studies or law enforcement.

Recommended: Biology

1 credit

Forensic Chemistry with Lab: **Grades 10-12**

This course is the practical application of chemical principles. This course will explore topics in the field of forensics by incorporating chemistry with the fields of biology and physics. In addition to concepts in basic chemistry, students will learn about anatomy, trajectories of blood splatter, decomposition, DNA analysis, and chemical analyses of drugs, and other topics related to the field. The course will also involve the use of deductive reasoning by using these concepts to solve mock crimes.

Prerequisite: Biology; Recommended: Algebra I

1 credit

Health: (HS62200)

Grade 10

Health Education gives students the knowledge and skills to thrive physically, mentally, emotionally, and socially. It contributes to students' ability to successfully practice behaviors that protect and promote health, and avoid and reduce health risks. Health education helps students to determine personal values and group norms that support healthy behaviors. Through comprehensive health education, students learn basic health concepts and influences on health. They develop the skills required to adopt, practice, and maintain health-enhancing and safe behaviors. These skills include: analyzing the reliability and validity of media and health resources; communicating effectively using refusal and conflict management skills; setting goals; and making healthy decisions. Health education helps students to be better consumers of information, manage stress, and make healthy decisions in the face of conflicting messages. This course meets every day for one quarter or alternating days for one semester.

½ credit

Physical Education

Personal Fitness and Sport: (HS62100)

Grades 9-12

Personal Fitness and Sport provides students with the skills and knowledge needed for participation in team sports and lifetime sports. Personal Fitness and Sport provides students with opportunities to develop motor skills, to analyze skills, to participate in physical fitness and to practice positive social skills. Students learn to assess and set goals, evaluate their own physical fitness, and use the knowledge to maintain or improve their current fitness level. This course meets every day for one quarter or alternating days for one semester. This course may be repeated for additional credit.

½ credit

Dance: (HS62902)

Grades 9-12

Dance class is designed for all students, including those with no prior dance experience and those with differing degrees of formal dance training. This course provides a student with opportunities to create, perform, observe and respond to dance. Students have many opportunities to discover and develop personal talents and to expand their perceptions of self, community and the world. Students will move through basic dance training, exploring movement elements and skills representative of a variety of dance styles, study the social culture and historical dimensions of dance, and experiment with choreographic principles, processes and structures. Students may work alone, with a partner, or in a group to perform, view, and analyze dances. Students will be engaged in projects that develop connections between dance and healthful living and dance relationships with other disciplines. This class may be used to satisfy ½ a physical education credit or ½ a fine arts credit. This course meets for one quarter every day or for one semester alternating days.

½ credit

First Aid/CPR (HS62502)

Grades 9-12

In this course, students will be taught first aid and CPR skills. The course content and activities will better prepare an individual to recognize emergency situations and make first aid decisions until trained medical personnel arrives.

Self Defense and Assault Prevention skills will also be covered in this course. This part of the course helps individuals gain useful knowledge of how an individual can mentally and physically defend him/herself in life-threatening and/or emergency situations. Students will learn to become more aware of the inherent dangers in their environment and what they can do to make their personal space safer. Practical strategies and guidelines for safer living are addressed. This course meets for one quarter every day or for one semester alternating days. ½ credit

Coaching/Peer Teaching (HS62503)

Grades 10-12

This class is recommended for any student interested in teaching or coaching. Students will actively learn about lesson planning, setting goals, teaching methods and taking safety precautions. This course meets for one quarter every day.

Prerequisite: Personal Fitness and Sport

½ credit

Modern & Classical Language

The Modern and Classical Language Department of Messalonskee High School encourages all students to learn a new language. Studying a second language can improve your skills and grades in math and English as well as your test scores, and your analytic and interpretive abilities. Research has demonstrated that math and verbal SAT scores improve with each additional year of foreign language study. In the State of Maine, an increasing number of businesses work closely with companies in other countries and therefore need many kinds of workers who can communicate in other languages and understand different cultures. Within the U.S., knowing another language is also advantageous. Police officers, nurses, doctors, journalists, or hotel managers often find being fluent in other languages useful. If you know another language, you may be called upon to travel, and you will find advancement opportunities in government, business, law, medicine, health care, communications, social service, the military and marketing.

Because the study of foreign language has become increasingly relevant in the global economy, students often wonder which language offering would be most beneficial. In a sense, the choice does not matter in that the mastery of any second language significantly increases the student's capacity to acquire additional languages. Students must understand that true proficiency in a foreign language requires years of study and dedicated practice; for example, experts say that it takes between 600 and 850 hours to develop proficiency in French or Spanish. At Messalonskee High School we encourage students to take a minimum of three semesters of the same language in order to develop at least minimal proficiency. To put things into perspective—that gives a student about 340 hours of language study (if there never were a fire drill, absence, or other distraction...).

Most colleges and universities require a minimum of 2 years of the same language and give extra consideration to students who take 3 years or more. Many selective colleges require three years or more. Since foreign languages are the cornerstones of strong literacy, we

urge students to make full use of the program offered. The following considerations may serve as a guideline for the selection of specific language courses:

Spanish

Spanish is spoken by the most people worldwide and has emerged as a dominant language among the populations of North, Central, and South America. Mastery of this language will help anyone seeking an understanding of the Hispanic communities south of the border as well as those in our midst. Knowledge of Spanish will increase career options for those seeking employment in central and South America with organizations such as the Peace Corps or with various political and business affiliations that operate in these nations. Many companies are presently expanding branch offices into Hispanic-speaking countries. Within our own borders many Hispanic communities need Spanish-speaking people to work in the service professions such as nursing, social work, law, medicine, law enforcement, and education--to name a few.

Students have the opportunity to use the audio-lingual approach to learning this language. The program spans four language skills: listening, speaking, reading and writing. Students will receive instruction in the language as much as possible and will be encouraged to use these skills both in and out of the classroom. Hispanic culture will also be explored.

Beginning Spanish (Stage 1): (HS22101)

Grades 9-12

Students learn to communicate about themselves, their families, and friends, and to express feelings, likes and dislikes. Students will use the present, and near future tenses, and they begin to identify similarities and differences between daily life in their own and in another culture.

1 credit

Beginning Spanish (Stage 2): (HS22102)

Grades 10-12

Students continue to communicate about themselves, their families and friends, and to express feelings, likes, and dislikes. Students will learn how to communicate about daily life in the target language, leading to a deeper understanding of the culture, as reflected in the Maine Learning Results. Students will be introduced to the preterit past tense of selected regular and irregular verbs and the use of present progressive forms of verbs.

Prerequisite: Beginning Spanish (Stage 1)

1 credit

Intermediate Spanish (Stage 1): (HS22111)

Grades 10-12

Students continue to develop communication skills and will use short sentences to discuss interests, hobbies, and common occurrences in daily life. More advanced verb tenses are introduced. These include more verbs in the preterit past tense and an introduction to the imperfect past tense, as well as the future, and conditional tenses of both regular and irregular verbs. And, students demonstrate awareness that there are phrases, idioms, and words that do not translate directly from one language to another. Students will also identify unique products and practices in culture, comparing them to their own. It is the recommendation of the Messalonskee High School language department that a student complete Intermediate Spanish (Stage 1) prior to attending most colleges.

Prerequisite: Beginning Spanish (Stage 2)

1 credit

Intermediate Spanish (Stage 2): (HS22112)

Grades 11-12

Students engage in longer more complex conversations relative to vocabulary and grammar acquired in the previous Beginning and Intermediate Stages of the language. Students will demonstrate understanding of written passages and personal notes on a familiar topic. They will also identify and discuss connections between cultural values

and socially approved behaviors of another culture. It is the recommendation of the Messalonskee High School language department that a student complete Intermediate Spanish (Stage 2) prior to attending selective or highly selective colleges.

Prerequisite: *Intermediate Spanish (Stage 1)*

1 credit

Advanced Spanish: (HS22120)

Grades 11-12

At this advanced level, students exchange information about current, past and future events regarding issues of personal interest. Students will read and discuss selected short stories, poems, plays, or novels. They will also edit, revise and create a final draft of a short piece of writing. Short articles about topics being studied in other subjects will be explored. There will be an emphasis on the development and use of oral communication skills in the target language.

Prerequisite: *Intermediate Spanish (Stage 2)*

1 credit

Latin & Greek

Latin and Greek are gateway languages that provide students with strong literacy and writing skills, enhanced English vocabulary acquisition, and a means of learning the languages of the scientific, medical, and legal professions. Members of academic communities worldwide recognize Latin as an indispensable tool for understanding the thought and wisdom of the western tradition, the foundations of our modern government and judicial system, and the inspiration for most western art, architecture, and literature. The study of Latin also provides an ideal preparation for the study of all Romance languages—French, Spanish, Italian, Portuguese, and Romanian—as they are directly derived from Latin. Latin and Greek make the study of German and Russian easier, as these languages share a linguistic structure to Latin and Greek. Students who are interested in pursuing careers in medicine, law, science, and foreign language study will help themselves enormously by studying Latin and Greek. Students who have studied Latin traditionally do better on SAT tests and other academic assessments. Virtually all colleges not only recognize the study of Latin and Greek as a satisfaction of the foreign language requirement but also regard the presence of these subjects on a student’s transcript as a strong indicator of academic discipline and achievement.

At each level, students will increase their ability to read Latin literature through their recognition of Latin parts of speech and vocabulary and will work toward the mastery of grammatical concepts. Emphasis is placed on the acquisition of a strong English literacy and vocabulary and a strong understanding of English grammar through the study of Latin.

Beginning Latin (Stage 1): (HS22301)

Grades 9-12

Students learn Latin noun and verb forms and basic grammatical structures that allow for the translation of simple Latin sentences. Students acquire an understanding of the culture of ancient Rome, while strengthening their understanding of English grammar and vocabulary.

1 credit

Beginning Latin (Stage2): (HS22302)

Grades 10-12

Students continue to learn new noun, pronoun, and verb forms and the grammatical structures necessary to reading and writing the language. They will be introduced to the past tenses and passive voice forms of the verb. Students will acquire a substantial pool of Latin vocabulary words and understand the process of English derivation from Latin, as

reflected in the Maine Learning Results. The study of ancient mythology provides a cultural focus of this level. ***Prerequisite: Beginning Latin Stage 1*** **1 credit**

Intermediate Latin (Stage 1): (HS22311) **Grades 11-12**

Students learn to recognize complex structures of Latin grammar through translation of Latin authors. The history of the Roman republican and imperial periods is emphasized, as is the influence of Roman culture on western government, daily life, literature, and art. It is the recommendation of the Messalonskee High School language department that a student complete Intermediate Latin (Stage 1) prior to attending most colleges.

Prerequisite: Beginning Latin Stage 2 **1 credit**

Intermediate Latin (Stage2): HS22312 (and Greek I; HS22351-optional) **Grades 11- 12**

Students apply grammatical training to the translation of Latin Literature. Emphasis is placed on the analysis of style, literary technique, and a consideration of the historical periods of the authors. The works of Cicero and several later Roman authors are read. Students may elect to begin the study of Homeric Greek at this time. It is the recommendation of the Messalonskee High School language department that a student complete Intermediate Latin (Stage 2) prior to attending selective or highly selective colleges.

Prerequisite: Intermediate Latin Stage 1 **1 credit**

Advanced Latin: HS22320 (and Greek II; -optional) **Grades 11-12**

Students continue to hone their Latin reading skills. The class will read parts of Virgil's *Aeneid* in Latin. Greek II is available and where interest exists--Advanced Placement Latin.

Prerequisite: Intermediate Latin Stage 2 **1 credit**

American Sign Language

American Sign Language is useful to students who plan to work in careers involving the deaf community or who have a deaf relative. Many opportunities exist for people who have proficiency in this skill. Students will learn core vocabulary of signs and an emphasis will be placed equally on expressive and receptive skills. Students will learn the relationship between American Sign Language and the role of the deaf culture.

ASL I: Beginning level I: (HS22410) **Grades 9-12**

The fundamentals of American Sign Language (ASL), used by the Deaf community, are introduced. The course includes basic vocabulary, syntax, finger spelling, and grammatical non-manual skills as a foundation for ASL enhancement. An increased understanding of the Deaf community and culture are fostered as well.

1 credit

ASL II: Beginning level II: (HS22420) **Grades 9-12**

Continued study of American Sign Language including sign language colloquialisms used in conversational signing. Expands students' receptive and expressive ASL skills and provides a summary of information currently available dealing with ASL grammatical structure and its sociolinguistic as well as pragmatic usage. ASL is useful to students who plan to work in careers involving deaf or disabled children or adults. Many opportunities exist for people who have proficiency in ASL.

1 credit

French

French is useful for students interested in film, theater, fashion, culinary arts, education, art, architecture, dance/ballet, literature, travel/cruise industry, and the Peace Corps. It is particularly relevant to students in the northeastern United States for the cultural connections that it provides to the strong French-Canadian influence in this area. French is

also important for anyone planning business, political, military, or foreign service careers. This is evidenced by a listing of international jobs (8/25/08) distributed by the US State Department: 78 required or preferred French, and 27 required or preferred another UN language (Arabic, Chinese, English, French, Russian, and Spanish). France has the sixth largest economy in the world after the U.S., Japan, Germany, China and England. French is an official language in 28 countries and is spoken in 51 countries throughout the world. Students intending to pursue advanced graduate studies in most areas of the sciences and humanities should keep in mind that they will be required to show a reading knowledge of a second language, and French remains the most commonly used academic language after English.

Beginning French (Stage 1): HS22201

Grades 9-12

Students learn to communicate about themselves, their families, and friends, and to express feelings, likes and dislikes. Students will use the present, past, and near future tenses and they begin to identify similarities and differences between daily life in their own and in another culture.

1 credit

Beginning French (Stage 2): HS22202

Grades 10-12

Students continue to communicate about themselves, their families and friends, and to express feelings, likes, and dislikes. Students will learn how to communicate about daily life in the target language, leading to a deeper understanding of the culture, as reflected in the Maine Learning Results. Students will talk about past events using the passé composé of a variety of regular and irregular verbs.

Prerequisite: Beginning French (Stage 1)

1 credit

Intermediate French (Stage 1): HS22211

Grades 10-12

Students continue to develop communication skills and will use short sentences to discuss interests, hobbies, and common occurrences in daily life. They tell about past events using the passé composé, and they begin to use the imperfect as well as the future, conditional and the subjunctive of both regular and irregular verbs. They demonstrate awareness that there are phrases, idioms, and words that do not translate directly from one language to another. Students will also identify unique products and practices in culture, comparing them to their own. It is the recommendation of the Messalonskee High School language department that a student complete Intermediate French (Stage 1) prior to attending most colleges.

Prerequisite: Beginning French (Stage 2)

1 credit

Intermediate French (Stage 2): HS22212

Grades 11-12

Students engage in longer more complex conversations relative to vocabulary and grammar acquired in the previous Beginning and Intermediate Stages of the language. Students will demonstrate understanding of written passages and personal notes on a familiar topic. They will also identify and discuss connections between cultural values and socially approved behaviors of another culture. It is the recommendation of the Messalonskee High School language department that a student complete Intermediate French (Stage 2) prior to attending selective or highly selective colleges.

Prerequisite: Intermediate French (Stage 1)

1 credit

Advanced French: HS22220

Grades 11-12

At this level, students exchange information about current, past and future events regarding issues of personal interest. Students will read and discuss selected short stories,

poems, plays, or novels. They will also edit, revise and create a final draft of a short piece of writing. Short articles about topics being studied in other subjects will be explored. There will be emphasis on the development and use of oral communication skills in the target language. **Prerequisite: Intermediate French (Stage 2)** **1 credit**

Career Preparation/Technology Education

IT Internship

Grades 9-12

Students will focus on providing tech support, including laptop repair, to our district IT team. They may also complete activities designed to help with the integration of technology in the classroom. Students will gain marketable job skills while significantly increasing the school's ability to integrate technology. This course is available to all MHS students, grades 9-12, and may be scheduled as part of your regular course schedule or you may elect to complete it on an independent basis (every 50 hours of completed time will earn ½ credit). Students may continue to enroll in the IT internship course to receive progressive training in their future years at MHS. **1 credit**

Visual Media I: HS82000

Grades 9-12

Students will work in teams to create four to five short films usually on self-selected topics to develop skills in shooting, lighting, sound, and editing techniques. Instruction covers camera handling, effective communication, and design for multimedia. Student films are often screened in school film festivals; some projects become entries in national film competitions or develop Internet audiences. Satisfies ½ Fine Arts requirement. This course meets every day for one quarter. **½ credit**

Visual Media II: HS82002

Grades 9-12

Using professional-level work as models, students develop proficiency in advanced camera techniques and focus on lighting and sound to create highly developed fictional films and in-depth documentaries centered on local people and issues. Building on techniques practiced in Visual Media I, students use advanced design and production techniques as well as more complex video editors to create work that engages audiences, both in school festivals and in national competitions. This course requires that students work in teams, show initiative, and a willingness to experiment in creative approaches to filmmaking. Satisfies ½ Fine Arts requirement. This course meets every day for one quarter. **Prerequisite: Visual Media I.** **½ credit**

Web Design and Development: HS82050

Grades 9-12

Students may choose what focus they would like to study:

Choice A:

Utilizing Macromedia's Dreamweaver, students will learn about bringing web site design to life. The major topics of the course will concentrate on the design aspects themselves, including page layout, typography, color, editing, and graphics. The course will focus on aesthetics and content creation versus program coding.

Choice B:

Working with an online course structure, students will learn about web site development. The major topics of the course will focus on the web site's functionality and usability. The course will be more code-oriented than the Web Design option and will concentrate on how a site works.

This course meets every day for one quarter or may be completed on an independent basis. Satisfies ½ fine arts requirement. ½ credit

Technology Trades:HS82500

Grades 9-12

This course is designed to give students basic knowledge and skills on an exploratory level. Units of instruction will focus on wood and metal fabrication through a number of required projects. Safe and proper use of hand tools, power tools and machinery are stressed, as well as PPE (personal protective equipment). Also covered are drafting (computer aided), power technology, masonry, electronics, plumbing, welding, and auto repairs. There will be an introduction to house construction utilizing skills in such areas as layout, framing, roofing, and siding. Problem solving will be taught and quality of workmanship is stressed. All students will progress according to their skills. Advanced projects will be given to qualified students on an individual basis, such as the use of the new computer aided design robotic metal cutting “Plasma Cam.” More than one quarter of Tech Trades is needed to meet the Fine Arts requirement. This course meets every day for one quarter. ½ credit

Jobs for Maine’s Graduate (JMG) 9/10: HS82604

Grades 9-10

JMG 9/10 is designed to prepare students for life after high school. Four units will be completed: Self and Society, Career Research, Career Prep, and Financial Literacy. Students will discuss, research, explore various career and secondary education options while applying skills they learn to every day situations. JMG 9/10 will incorporate the lessons learned in the other classes to out of school situations as well. Guest speakers frequently present throughout the class allowing students the opportunity to experience unique career paths. Problem solving skills are incorporated in weekly challenges to encourage team building. **This course is a graduation requirement.** ½ credit

Jobs for Maine’s Graduates (JMG): HS82601/82602

Grades 10-12

This is a unique program that prepares students for success after high school. Emphasis is on leadership, employability skills, personal development, career development, and building connections within the school and community. Students take a leadership role in the class by helping to organize class projects, social events, guest speakers, and field trips. All participants are formally inducted into the National Career Association and interested students are encouraged to run for officer positions. Special events include a Leadership Education Conference, Education to Careers field trip, JOY \$1000 project and the Career Development Conference. The JMG specialist must approve qualified students. Applications are available in the Guidance Office. **1 credit**

Visual & Performing Arts

Art education has always been an essential part of a complete education. Art classes offer experiences in the use of materials, tools, and equipment. They provide knowledge of the processes and products of creative endeavors and give insight into their social and economic significance. Study of art provides students with the fundamental framework to develop skills and explore their creative potential for personal and professional interests. Visual Art functions as:

- A means of communication for both artist and viewer. Visual artists express what they know, see, think, and feel. Conversely, viewers can read, that is, interpret the artwork of other artists.
- A means for higher order thinking, problem solving, and to stimulate imagination.
- A way to experience the use of tools, techniques, and media of visual art.
- A way to appreciate art as a reflection of past world cultures and to contribute to the present culture, both local and global.
- A way to envision the future and portray the past.
- Enrichment for the maker and the viewer.
- A connection to the human spirit, past, present, and in the future.

Maine Learning Results Content Standards Assessed in all Visual Art Courses

Visual and Performing Arts

Creative Expression

Cultural Heritage

Criticism and Aesthetics

Beginning Art: HS72100

Grades 9-12

Come to Beginning Art to try out a wide variety of ideas, techniques, and materials that are visual art. Learn about different art styles and elements and experience snippets of art history and art appreciation. Projects will include drawing, painting, color and design, sculpture, pottery, printmaking, portraits, and masks.

1 credit

Intermediate Art: HS72125

Grades 9-12

Intermediate Art is designed for the student who has completed Art I (or Beginning Art) and wishes to continue to explore the range of visual art techniques. Sign up for Art II if you'd like to continue developing a personal style and way of expression. Coursework will include drawing, painting on canvas, design, and sculpture.

Prerequisite: Beginning Art, or permission of the instructor

1 credit

Advanced Art: HS72125

Grades 11-12

Advanced Art is for the experienced student who is ready to work more independently. Students will work on art exploration in their chosen media, perhaps with an idea of building a portfolio. The curriculum will be designed in collaboration with the instructor.

Prerequisite: Intermediate art or permission of the instructor.

1 credit

Book Arts: HS72302

Grades 9-12

Join us in making decorated papers, handcrafted journals, blank books, albums, portfolios, boxes, cards, and more. Express yourself, create great gifts for others, and have fun all at the same time! Traditional techniques combined with natural materials and handmade papers are used to create unique books for writers and artists. Drawing and writing skills are a plus but not a requirement. Satisfies ½ fine arts requirement.

½ credit

Craft Techniques: HS72300

Grades 9-12

Join us in exploring a variety of craft materials and techniques. We'll create works using paper, clay, glass, fiber, dyes, and more. Craft techniques will be drawn from a range of cultures and time periods. Projects may include basketry, Ukrainian egg decorating, Polish paper cuts, masks, and fiber and book arts. Experience in basic art and design is helpful but not required. Satisfies ½ fine arts requirement.

½ credit

Digital Art & Design: HS72314**Grades 9-12**

Learn graphic design techniques through a series of visual arts and computer-based projects. Create strong messages by organizing words and images and in the process you'll have the opportunity to explore Photoshop and other digital imaging techniques. Satisfies ½ fine arts requirement. ½ credit

Digital Photography: HS72310**Grades 9 - 12**

Would you like to improve your photos? Digital Photography will give you the opportunity to improve your shooting and digital processing techniques. For the most part, our darkroom will be the Adobe Photoshop program. Shooting projects will include landscape, portraits, action photography, and others. Satisfies ½ fine arts requirement. ½ credit

Drawing: HS72220**Grades 9-12**

Experience a sequential approach to drawing that will help you be more accomplished at perception and realistic rendering. You will work with a variety of media and techniques, with class work including portraits and perspective drawing. Satisfies ½ fine arts requirement. ½ credit

Graphic Art & Design: HS72304**Grades 9-12**

Learn to make multiples of your designs with wood and linoleum block prints, engravings, and lithographs. Design basics such as composition, lettering, color theory, and art historical perspectives will also be covered. Experience in basic art and design is helpful but not required. Satisfies ½ fine arts requirement. ½ credit

Painting: HS72200**Grades 9-12**

If you like color, this course is for you. Explore various color techniques including colored pencils, pastels, tempera, watercolor, and acrylic paint. Projects may come from artist or art historical examples and will cover many art and design concepts. Previous experience in Beginning Art, Art I, or Drawing is helpful. Satisfies ½ fine arts requirement. ½ credit

Pottery: HS72230**Grades 9-12**

This course is for students who have a great interest in working with clay. The course covers all hand building techniques, wheel throwing, sculpture, glazing and other decoration, and firing. Progression in this course allows students the opportunity to expand one's clay knowledge through Pottery II, III, and IV. Satisfies ½ fine arts requirement. ½ credit

Sculpture: HS72210**Grades 9-12**

Come work in 3-d and explore clay building, wood assemblages, carving, mobiles, plaster, and mask making. Experience in basic art and design helpful but not required. Satisfies ½ fine arts requirement. ½ credit

Photo Stories: HS72308**Grades 9-12**

How can you tell a story with photographs? Does the story start with the subject, with the way you manipulate the photo, with the way you display the work-in a book, on a wall, or on the web? In this photography class, you will edit and print your photos to create a visual narrative or story. You will work through a combination of assigned and independent projects. This "storytelling" can take many forms so you will have the chance to experiment with different ways of printing and displaying your work. Why, for example, some photographers interview their subjects and include text with their images, while others

decide to narrow down a final exhibit to just three very large prints? At different points during your projects, you will present your images to the class for critiquing. This course is open to students both with and without prior experience in photography. Satisfies $\frac{1}{2}$ fine arts requirement. $\frac{1}{2}$ credit

Metal Sculpture: HS72318

Grades 9-12

Join this class and learn ways to create sculptures in metal. Students will learn to cut metals with various tools including the PlasmaCam laser cutter. We will practice welding, riveting, and other joining methods as we create realistic and abstract 3-D artworks. This course is open to students both with and without prior experience in sculpture. Satisfies $\frac{1}{2}$ fine arts requirement. $\frac{1}{2}$ credit

Music, Instrumental and Band: HS72411/72412

Grades 9-12

Instrumental music lessons are provided to any student who demonstrates an interest in acquiring proficiency in a particular instrument. Participation in the band is contingent upon a student achieving an acceptable level of performance and demonstrating behavior suitable to a performance-oriented group. Students will express ideas and feelings through performance of works from a variety of cultures and historical periods. Students will learn to reflect upon and assess the characteristics and merits of instrumental works and performances. Band members are required to participate in all scheduled lessons and performances. Curriculum Research Projects are available upon request. Satisfies fine arts requirement. This course meets on alternating days all year. **1 credit**

Music, Vocal and Choral: HS72511/72512

Grades 9-12

This course is designed to acquaint students with proper vocal techniques and a variety of choral literature. Participation in the chorus is contingent upon a student achieving an acceptable level of performance and demonstrating behavior suitable to a performance-oriented group. Students will express ideas and feelings through performance of works from a variety of cultures and historical periods. Students will learn to reflect upon and assess the characteristics and merits of choral works and performances. Vocal lessons are provided to those interested in achieving a basic performance level. A concert uniform at an approximate cost of \$65.00 is required. Members are required to participate in all scheduled lessons and performances. Curriculum Research Projects are available upon request. Satisfies fine arts requirement. This course meets on alternating days all year. **1 credit**

Music Production Class: HS72520

Grades 9-12

Students will be given a background in acoustical concepts related to audio recording and will learn the application of a digital audio workstation through major production projects. The class will prepare students for post-secondary study in communications, production, and audio engineering at colleges, universities, and technical schools. Students will learn basic digital editing using Apple Logic Pro. **Prerequisite: Algebra** **1 credit**

Social Issues Forum: HS52904

Grades 9-12

Students will gain experience in research, organization, and in delivering their thoughts through oral presentations following the guidelines for public speaking. Students will explore various social issues in our society, choose a point of view, and persuade an audience with well-researched materials using quotations, surveys, statistics, court-cases and other important sources. The process for debate will require that students work in

teams. Students will learn the techniques of argument and the formal presentation of those arguments. This course emphasizes tolerance, respect, personal discipline, and responsibility. One of the goals is to increase students' self-confidence when speaking to large or small groups. Students may participate in oratorical contests, which could lead to scholarships and prizes. Consistent attendance is imperative. Students also have the opportunity to complete their Curriculum Research Project requirement in this course. Satisfies fine art requirement. **1 credit**

Drama 1: HS72601

Grades 9-12

Students will learn the basics of theater performance, theater history, and technical design. Activities include: improvisation, set design, character study, and the performance of short scenes and monologues. Participation in class activities is mandatory for the successful completion of this course. Satisfies fine art requirements. **1 credit**

Drama II

Grades 9-12

Drama II is an advanced acting course designed for students with a strong interest in theater arts. Students work with a variety of classical and contemporary texts and leave the course with prepared audition pieces and an acting resume. While the course focuses mostly on acting it also offers possibilities in directing and script writing. Participation in class activities is mandatory for the successful completion of this course Satisfies fine art requirement. Prerequisite: successful completion of Drama I or significant outside acting experience. **1 credit**

Mid-Maine Technical Center

Mid-Maine Technical Center is a regional school that offers the students of Lawrence, Messalonskee, Waterville, and Winslow High Schools twenty-three Career and Technical Education Courses. Each technical program at Mid-Maine Technical Center has achieved National Program Certification or is using State Licensing Standards, which provides our students the opportunity to earn over forty industry-recognized certifications.

Students attend Mid-Maine Technical Center as part of their school day, while continuing to take academic courses at their high school. Enrollment at Mid-Maine Technical Center is arranged through the high school guidance department at no cost to the student.

Mid-Maine Technical Center courses are offered in two blocks, morning and afternoon. While specific arrival/departure times vary slightly from school to school, the general schedule is as follows:

AM Block: 8:25 – 10:45

PM Block: 11:20 – 1:35

Dual College Credits

Students can get a head start on their college education by enrolling in the Dual College Credit program at MMTC. Formal agreements with community colleges provide students an opportunity to begin building their college transcript by completing a MMTC program. Each Dual Credit agreement defines eligibility standards, specific requirements and a final grade that students must attain to earn college credit. Students need to maintain an 86 average and receive the recommendation of their MTMC instructor to participate in the Dual Enrollment Credit program.

Mid-Maine Technical programs approved for college credits:

Central Maine Community College

Automotive Technology - 8 College Credits
Digital Graphics - 7 College Credits
Medical Careers - 3 College Credits
Precision Machining – 6 College Credits

Eastern Maine Community College

Construction Technology – 7 College Credits
Culinary Arts – 3 College Credits

Kennebec Valley Community College

Computer Technology – 3 College Credits
Electrical Technology – 5 College Credits
Emergency Services – 5 College Credits
Precision Machining – 4 College Credits

Northern Maine Community College

Automotive Collision Repair – 3 College Credits
Construction Technology – 3 College Credits
Early Childhood Education – 3 College Credits
Electrical Technology – 3 College Credits

Integrated Academic Credits

Integrated Academic Credits may be earned for high school graduation by completing an approved course at Mid-Maine Technical Center. Prior written approval from the student's high school guidance counselor must be obtained before seeking academic credit with this option.

Student must pass both the academic requirements and the technical program to a satisfactory level, in order to receive two credits for the technical program and one credit in math, fine arts, physical education, or science.

Mid-Maine Technical courses approved for applied academic credit:

Applied Math Credit

Automotive Technology
Construction Technology
Culinary Arts
Electrical Technology
Precision Machining

Science Credit

Nursing Assistant
Emergency Services
Fire Fighting

Applied Fine Arts Credit

Digital Graphics
Early Childhood Occupations
Construction Technology

Phys. Ed. (via first aid/CPR)

Nursing Assistant
Emergency Services
Completion of both Early Childhood Occupations classes

Mid-Maine Technical Center Course Options

Automotive Collision Repair Technology

Students learn skills to repair collision-damaged vehicles to factory specifications. Topics include: collision repair, frame repair, welding, & painting.

National Program Certification: National Automotive Technician's Education Foundation - NATEF

Student Certification: NATEF Painting & Refinishing, Non-structural Analysis & Damage Repair, ICar Points

AM – Collision Repair

Automotive Design & Shape
Fiberglass/Plastic Panel Repair
Welding
Frame Repair

PM – Automotive Refinishing

Surface Preparation
Spray Equipment
Mix & Apply Primer
Color Mixing

Automotive Technology

Students use the latest technology to diagnose and repair automobile problems. Skills areas include automotive maintenance service, brakes, steering, suspension, and advanced auto systems.

National Program Certification: National Automotive Technician's Education Foundation - NATEF

Student Certification: Maine State Inspection, NATEF Brakes, Suspension & Steering, Electrical, Engine Performance

AM – Automotive Services

Perform Scheduled Maintenance
Brake Systems
Electrical Fundamentals
Steering & Suspension

PM – Automotive Systems

Engine Mechanical Functions
Advanced Chassis Systems
Computer Control Systems
Fuel & Exhaust Systems

Computer Technology

Students learn how to build, upgrade, and service PC computers and set up and maintain a local area computer network.

National Program Certification: CompTIA, IC3 and APPLE

Student Certification: CompTIA, IC3, APPLE Certified Mac Technician

AM – PC Servicing

Install Computer Hardware
Configure Computer
Perform Preventative Maintenance

PM- APPLE Technician & Intro to Networking

Install Apple Hardware & Software
Apple Certified Repairs & Service
MLTI Apple Macbook Troubleshooting

Construction Technology

Students develop the knowledge, skills, and applied learning experience to build a home. Students follow a nationally certified curriculum endorsed by CONTREN. Learn all aspects of the residential construction business.

National Program Certification: National Center for Construction Education & Research (NCCER)

Student Certification: CONTREN Carpentry Core Curriculum, Level 1, & Level II, OSHA 10/30 Hour Certification

AM - Residential Construction

Blue Print Reading
Frame Interior/Exterior Walls
Roof Shingling
Install Insulation
Painting & Staining

PM - Finish Carpentry

Estimation of Materials
Prepare Building Site
Install Roof Components
Install Windows & Doors
Basic Construction Business Management

Culinary Arts

Students gain skills and knowledge of food preparation for a career in commercial or institutional food service. Students cook for and operate an on-site café and catering service.

National Program Certification: National Restaurant Association

Student Certification: American Culinary Federation Secondary Graduate, Serv-Safe Food Safety 16/30 hr

AM – Food Preparation

Safety & Sanitation

Prepare Soups & Sauces

Prepare Baked Goods

Prepare Hot Food Recipes & Techniques

Prepare Cold Food Recipes & Techniques

PM – Restaurant Operations

Safety & Sanitation

Identify Controllable Expenses

Customer Service

Plan Menus

Hot & Cold Food Preparations

CTE ACADEMY

The CTE Academy provides 9th & 10th grade students instruction and training intended to prepare them for enrollment in one of Mid-Maine Technical Center's Certified Technical programs. Students develop a core of technical knowledge and skills through participation in a variety of applied learning experiences. *The CTE Academy is a 1.5 credit course.*

Student Certification: OSHA 10-hour Certification

AM – Waterville & Winslow Students

Students attend on alternate days for the entire school year

PM - Lawrence & Messalonskee Students

Students attend daily for 1 semester

Digital Graphics

Students use the latest technology and courseware to develop skills in design, marketing, and media. Students combine artistic abilities, business sense, and technical proficiency to create an electronic portfolio of projects and consumer-based design work.

National Program Certification: PrintEd and Adobe Certified

Student Certification: PrintEd Introduction to Graphic Communications, PrintEd Digital File Prep, Adobe Certified Associate – Photoshop, Flash, Dreamweaver

AM – Print Design & Production

Introduction to Graphic Design

Collage & Photography

Elements of Advertising

PDF Portfolio Design

Printing Methods & Technologies

PM – Web Design & Animation

Digital Illustration & Image Capture

Adobe Fireworks, Flash, Dreamweaver

Digital File Preparation

Website Construction

Interactive Media

Early Childhood Occupations

Students learn to provide safe and appropriate care and education to children under the age of five. Students operate a community playgroup and nursery school program on site.

Program Accreditation: National Association for the Education of Young Children

Student Certification: American Red Cross First Aid & CPR, Certified Early Childhood Assistant, National Association for the Education of Young Children Accredited Program

AM – Child Care

Infant & Toddler Care

Promote Nutrition

Perform CPR & First Aid

Child Development

Early Learning Nursery School

PM – Early Childhood Education

Perform CPR & First Aid

Plan Preschool Operations

Provide Creative Experiences

Promote Social & Emotional Development

Plan & Implement

Mid-Maine Technical Center Preschool

Electrical Technology

The Electrical Technology program follows a nationally certified curriculum endorsed by CONTREN. This multi-faceted program teaches the basics of electricity as well as advanced electrical technology. This program prepares the student for success in career and post secondary educational fields such as: residential or commercial electrician, and electrical engineering.

National Program Certification: National Center for Construction Education & Research (NCCER)

Student Certification: Maine Journeyman 576 hour coursework, Contren Core Curriculum, Electrical Level 1 & 2, & Maine Electrical Helper's License, 45-hour NEC Code Course, OSHA 10/30 hour certification

AM – Electrical I

Electrical Applications
Diagnose & Repair Electrical Problems
Wire Electrical Circuits
Test Circuits with Meters
Workshop Safety & Procedures

PM – Electrical II

Master Electrician Credits
Electrical System Design
Project Estimation
Read & Interpret Blue Prints
System Installation

Emergency Services

Students develop the knowledge and skills necessary to pursue careers in Emergency Services, Firefighting, and Law Enforcement. The EMT Basic/Firefighting courses prepare students to take the State EMT Basic / Firefighter I written and practical exams.

Program Certification: Maine EMS & Kennebec Valley Community College, Maine Fire Training & Education

Student Certification: Emergency Medical Technician Basic (AM only), ASHI First Aid & AHA CPR (AM & PM), Firefighter BLS (PM only).

AM – Emergency Medical Technician

First Responder/CPR Certification
Patient Assessment
Human Anatomy & Medical Terminology
Emergency Vehicle Operations
Self Defense
Patrol Procedures

PM – Firefighter

Fire Science & Behavior
Rescue Operations
Fire Control Procedures
Equipment & Vehicle Operations
Fire & Crime Scene Investigation
Criminal Law

MASS MEDIA COMMUNICATION (NEW PROGRAM FOR 2012-13)

In the Mass Media Communication program, students will learn how to apply traditional journalism fundamentals across digital, broadcast, text and interactive media platforms. Training and instruction will be provided in journalism, verbal communication, video and audio production, editing, marketing, and publishing.

Students will participate in applied learning projects that include research, writing, interviewing, production, broadcasting, and programming. Through these projects, students will also learn to use the latest industry equipment and software in an on-site production studio including: computer stations with Adobe editing software, professional-grade HD video cameras, Tricaster Studio, sound, and lighting.

Students completing the program will be skilled in:

- Collecting information for media; for example, news, sports, commercials, press releases and public service announcements.
- Demonstrating basic electronic writing, announcing, producing and programming skills.
- Demonstrating overall proficiency in the use of standard production equipment and software.
- Understanding the organizational structures and functions of various media outlets; radio, TV, print, and web.
- Producing materials specific to a job search in media - for example, audition tapes and career portfolios.

More information about the Mass Media Communication program will be available in the spring of 2012. Please contact your Guidance Counselor.

Medical Careers

Students learn the skills and acquire the training necessary to care for people who are ill or disabled. The Nurse Assisting course prepares students to take the State Certified Nursing Assistant Exam.

Program Certification: Maine Certified Nursing Assistant

Student Certification: Maine Certified Nursing Assistant, ASHI First Aid & AHA CPR

AM & PM – Nurse Assistant

Basic Medical Asepsis

Vital Signs

Patient Care Skills

Nutrition

First Aid & CPR

Medical Terminology

Precision Machining

Students learn how to manufacture metal parts using precision machining technology and computer numerically controlled machines.

National Program Certification: National Institute for Metalworking Skills - NIMS

Student Certification: NIMS Machining Level I: Turning, Work-Layout & Measurement, Materials & Safety

AM – Machine Tool

Perform Precision Measuring

Operate Drill Press

Operate Lathe

Operate MIG Welding

PM – Machinist Operations

Perform Part Inspection

Operate Milling Machine

Operate Numerically Control Machine

Perform Welding Operations

Mid-Maine Technical Center Grading System

Mid-Maine TECH's grading system has established (75) seventy-five and above as the level to receive a passing grade. The grading system requires the student to perform in the top twenty-five percent to better master the TECH Center's National Skill and State Licensing Standards. As a result of increasing student expectations, the letter grade of D is eliminated from the grading scale.

Letter grades are submitted quarterly to the High Schools to be included with the student's high school report card. Letter grades are based on both a 100-point and 4-point grading scale, as listed below:

	Letter Grade	100-point Scale	4-point Scale
High	A+	100 - 98	4 - 3.8
Honors	A	97 - 95	3.7 - 3.6
Honors	A-	94 - 92	3.5 - 3.4
	B+	91 - 89	3.3 - 3.2
	B	88 - 86	3.1 - 2.9
	B-	85 - 83	2.8 - 2.6
	C+	82 - 80	2.5 - 2.2
	C	79 - 77	2.1 - 1.9
	C-	76 - 75	1.8 - 1.7
	F	74 - 0	1.6 - 0

Graduation Credit Requirements

Courses	Credits
English	4
Math	3
Science	3
Social Studies	3
Visual/Performing Arts	1
Health	0.5
Physical Education	1.5
Career Prep (JMG 9-10)	0.5
Electives	6.5
Curriculum Research Project	Completed
Total	23