

MOOSE LAKE HIGH SCHOOL COURSE DESCRIPTIONS & REGISTRATION GUIDE

2024-2025



Moose Lake Course & Graduation Requirements

27 Credits Required for Graduation (.5 Credit = 1 Trimester)

17.5 Required Course Credits

9.5 Elective Credits Minimum

English Requirements- (4 credits)

English 9 A & B (1)

English 10 A & B (1)

English 11 A & B (1)

English 12 A & B (1)

Math Requirements- (3 credits)

Algebra (1) Geometry (1)

Geometry (1) or Adv.Alg. A & B (1)

Algebra II (1) Intro to Precalculus (.5)

Precalculus (1)

Social Studies Requirements (4 credits)

World History (1)

Global Issues (1)

American History (1)

Economics (.5)

US Government (.5)

Science Requirements- (3 credits)

Earth Science (1)

Biology (1)

Chemistry (1)

Phy Ed/Health Requirements- (2 Credits)

Phy Ed 9 (.5) + Phy Ed elective (.5)

Personal Health (.5)

Community Health (.5)

Arts Requirement (1 Credit) (music, band, visual arts, theater, and/or media arts)

Personal Finance (.5 Credit)

Elective Course Requirements (9.5 credits)

Local Requirement

Satisfactorily complete the Service Learning Project in Senior Social Classes, including required outside community service hours

Required Courses by Grade Level in 2023-2024

Grade 9

English 9	1 credit
World History	1 credit
Math	1 credit
Earth Science	1 credit
Phy Ed./Health	1 credit
Electives	2.5 credits

Grade 10

English 10	1 credit
Global Issues	1 credit
Math	1 credit
Chemistry	1 credit
Phy Ed./Health	1 credit
Electives	2.5 credits

Grade 11

English 11	1 credit
Am History	1 credit
Biology	1 credit
Math	1 credit
Personal Finance	½ credit
Electives	3 credits

Grade 12

English 12	1 credit
Economics	½ credit
US Government	½ credit
Electives	5.5 credits

****Additional Requirement**

Arts (music, visual, theater, media arts/video)	1 credit
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College Admission

Some of the universities have more strict academic requirements. Students not meeting the criteria may be considered for admission under each university's conditional/provisional admission policy, which considers potential for success in college and other factors.

Students who wish to enroll in a four year college in Minnesota will need to demonstrate completion of the following college preparatory curriculum while in high school or their competency equivalent.

- English - 4 years/credits (Composition, literature, speech)
- Mathematics – 3 years/credits (2 years of algebra, of which one is intermediate or advanced algebra, and 1 year of geometry)
- Science – 3 years/credits (1 year each of a biological science and physical science, and all courses with labs).
- Social Studies - 3 years/credits (including 1 year of geography & U.S. history).
- World Language – 2 years/credits of a SINGLE language (including non-English native languages and American Sign Language)
- Arts - 1 year

Students should check with the individual colleges for their specific requirements.

Honor Roll

Honor roll is based on the following scale: A=4.0, A-=3.667, B+=3.333, B=3.0, etc. . Honors- 3.0-3.666; High Honors- 3.667-4.0

Class Rank

Students shall be enrolled in a minimum of 12 classes for a letter grade per year for consideration for class rank. Students enrolling after the start of grade 9 must complete an entire year of courses at MLHS before being included in class rank.

Student Aide

A small number of students may be enrolled as student aides during a trimester. A student must make arrangements with individual teachers to be a student aide. Students wishing to be a student aide for an elementary teacher will be assigned a teacher based on teacher needs and schedules. Student aiding is offered as pass/fail and students receive .5 credit per trimester for this experience. A maximum of 1.5 aide credits (three trimesters) will count towards graduation.

Independent Study

Students who are interested in receiving more in depth knowledge on a particular subject may arrange for an independent study program with an instructor. Students will receive academic credit for such an elective course and the course will be graded pass/fail. Independent study is open to juniors and seniors only. The program must be approved by the principal.

Pass/Fail

Students may choose to take an elective course on a pass/fail grading system. Students must take four courses for letter grade each trimester and may select only one course for pass/fail.

Drop/Add Procedure:

Students may request a change in their schedule the first week of each trimester and shall discuss the proposed add/drop with the guidance counselor. The following procedure must be followed:

- A drop/add form must be obtained and completed.
 - Parent and all instructors influenced by the drop/add must sign off on the form
 - The completed form must be returned to the guidance office and the appropriate record changes made.
- The exceptions are students who are registered in a college level class. They have until the college's drop date.

PSEO Procedures

Postsecondary Enrollment Options (PSEO) is a program that allows 10th-, 11th- and 12th-grade students to earn both high school and college credit while still in high school, through enrollment in and successful completion of college nonsectarian courses at eligible participating postsecondary institutions. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Each participating college or university sets its own admissions requirements for enrollment into the PSEO courses. Eleventh and 12th-grade students may take PSEO courses on a full- or part-time basis; 10th graders are eligible to enroll in PSEO on a more limited basis (see note below). Students must meet the PSEO residency and eligibility requirements and abide by participation limits specified in Minnesota Statutes, section 124D.09. If a school district determines a pupil is not on

track to graduate, she/he may continue to participate in PSEO on a term by term basis.

By March 1 of each year, or three weeks prior to the date a student registers for courses for the following school year (whichever is earlier), schools must provide PSEO information to all students in grades 8-11 and their families. To assist the district in planning, a student must inform the district by May 30 of each year of their intent to enroll in postsecondary courses during the following school year.

There is no charge to PSEO students for tuition, books or fees for items that are required to participate in a course; however, students may incur fees for equipment that becomes their property when the course or program is completed, textbooks that are not returned to the postsecondary institution according to their policies, or for tuition costs if they do not notify the district by May 30 and the district does not waive this date requirement.

Funds are available to help pay transportation expenses for qualifying students to participate in PSEO courses on college campuses. For more information on these funds, [access the PSEO Mileage Reimbursement Program Instructions](#).

Enrolling in a PSEO course does not prohibit a student from participating in activities sponsored by the high school.

School districts must allow a PSEO student reasonable access to the high school building, computers and/or other technology resources during regular school hours to participate in PSEO courses, whether on-line or on campus.

Each year, districts must publish their grade-weighting policy on their website, including a list of courses for which students can earn weighted grades.

All courses taken through the PSEO program must meet graduation requirements. Districts must transcript credits earned in PSEO by a ratio prescribed in statute. Districts have the authority to decide which subject area and standards the PSEO course meets. If there is a dispute between the district and the student regarding the number of credits granted for a particular course, the student may appeal the board's decision to the commissioner. The commissioner's decision regarding the number of credits will be final.

Postsecondary institutions are required to allow PSEO students to enroll in online courses consistent with the institution's policy regarding postsecondary student enrollment in online courses.

Tenth-grade students may initially enroll in one Career and Technical Education (CTE) PSEO course if they receive a reading proficiency score of "meets" or "exceeds" on the 8th grade MCA. If 10th graders taking a CTE PSEO course earn at least a grade C in that class, they may take additional postsecondary courses. If the student did not take the MCA in 8th-grade, another reading assessment accepted by the enrolling postsecondary institution can be substituted. For students with disabilities, there is an alternative option to demonstrate reading proficiency.

For current information about the PSEO program, [visit the Minnesota Department of Education's Postsecondary Enrollment Options \(PSEO\) webpage](#).

College Credit Classes Offered in Moose Lake High School

High School Course	College Credit*
College Writing	UMD WRIT 1120: College Writing –3 credits
College Sociology	UMD SOC 1101: Intro to Sociology - 4 credits
College Pre-Calculus	UMD MATH 1250: Pre-Calculus Analysis - 4 credits
College Calculus	UMD MATH 1296: Calculus I – 5 credits
College European History	UMD HIST 1208: Europe in the Modern Age - 4 credits (not offered 2020-2021)
Introduction to Physics	UMD PHYS 1001: Intro to Physics- 5 credits
Spanish III	UMD SPAN 1102: Beginning Spanish II- 4 credits

****Subject to change dependent upon course registration numbers and college CITS agreements***

These college classes are rigorous and have high expectations for work. There may be grade reductions for not participating in class. School sponsored extracurricular activities are not counted as part of the grade reductions, however students in extracurricular activities are expected to hand assignments in on time and take the initiative to get assignments from teachers for advanced make up.

Students must meet GPA/Class Rank eligibility guidelines to earn college credit while in high school.

Notice

All vocational opportunities will be offered regardless of race, color, national origin, gender or disability. This guide includes a brief summary of program offerings, any admission criteria and the name, office address and phone number of persons designated to coordinate compliance under Title IX and Section 504.

Section 504/ADA and Title IX Contact Information

Pam Litsey, Guidance Counselor
Moose Lake Community Schools
4812 County Rd 12, Moose Lake, MN 55767
218-485-4435, Ext. 1702

Alternate Contact

Jillian Smith, Elementary Counselor
Moose Lake Community Schools
4812 County Rd 12, Moose Lake, MN 55767
218-485-4435, Ext. 1135

IMPORTANT :

PLEASE NOTE THAT NOT ALL COURSES IN THIS REGISTRATION GUIDE WILL BE OFFERED IN THE UPCOMING SCHOOL YEAR. THE DISTRICT RESERVES THE RIGHT TO DELETE OR ADD CLASSES TO THIS LIST AS NECESSARY.

2024-2025 MLHS Course Offerings
Click on the department title to go to the list of course descriptions

Art

Ceramics (.5)
Drawing (.5)
Digital Media Arts (.5)
Painting (.5)
Photography (.5)
Video Animation/Production (.5)

Business

Intro to Business (.5)
Personal Finance (.5)
Sports & Entertainment Marketing (.5)

English

English 9 A&B (1)
English 10 A&B (1)
English 11 A&B (1)
English 12 A&B (1)
College Writing (.5) *
College Literature (.5) *
Public Speaking (.5)
Mythology (.5)
Novels (.5)

Foreign Language

Spanish I A & B (1)
Spanish II A & B (1)
Spanish III A&B(1) *
Latin American Cultures

Industrial Tech

Intro to Woods (.5)
Wood Technology II (.5)
Carpentry (.5)
General Construction (.5)

Math

Algebra I (1)
Geometry(1)
Algebra II (1)
Advanced Algebra AB (1)
Intro to Precalculus .5)

Precalculus (1)*

Calculus (1) *

Music

Senior High Choir A, B & C(1.5)
Senior High Band A, B & C(1.5)
Senior High Band & Choir A/B&C (1.5)

PE/Health

Personal Health (.5)
PE 9 (.5)
Lifetime Recreation (.5)
Team Sports (.5)
Weight Training (.5)
Wellness for Life (.5)

Science

Earth Science 9 A&B (1)
Chemistry A&B (1)
Biology A & B (1)
Physics A & B (1)*
Human Anatomy & Physiology 101 (.5)
Emergency Medical Responder (EMR) .5
Environmental Science (.5)
Woods & Wildlife (.5)
STEM: Robotics (.5)
Health Careers (.5)

Social Studies

World History 9 A & B (1)
Global Issues A & B (1)
American History A & B (1)
Economics (.5)
US Government (.5)
Military History (.5)
European History (.5) *

Other

Teaching Assistant (.5)
Elementary Student Aide (.5)
Work Based Learning (.5-1.0)
Independent Study (.5)

.5 credit = trimester

*Earns college credit to qualifying students
(GPA and testing requirements)

Art Courses:



The Fine Art Department welcomes any student with an interest in art. The purpose of all art courses is to increase your awareness of visual communication and to give you an opportunity to explore various art media while learning the skills and techniques involved with possible advancement into postsecondary schooling credit transfer.

Visual Art Courses:

COURSE: DRAWING I, II, III

LENGTH: 1 Trimester

GRADES OFFERED: 9-12 elective I, II & III

These courses must be taken in sequence.

This course is for those students who love to draw. This class is studio based. Mediums to be explored are pencil, pen, ink, chalk, oil pastel and digital media. At all levels you will continue practice in the subject matter of choice. Students will further develop skills in the medium of their choice. Advanced students will research artist(s) and extend their drawing skills.

COURSE: CERAMICS I, II, II

LENGTH: 1 Trimester

GRADES OFFERED: 9-12

These courses must be taken in sequence.

This course is for those students who want to explore a variety of clays. Beginning students will learn various hand-building techniques. Intermediate/Advanced students will work on their wheel throwing skills and exploring glazing techniques with further development on concepts and techniques.

COURSE: PAINTING I, II, III

LENGTH: 1 Trimester

GRADES OFFERED: 9-12

These courses must be taken in sequence.

This course is for those students who want to explore two-dimensional mediums to include watercolor, acrylic and oils. Beginning students will learn various techniques in mixing, blending, creating palette, and exploring color theory. Intermediate students will further develop their skills in the medium of their choice and a variety of subject/styles. Advanced students will research an artist(s) in the style and medium of their focus/study.

COURSE: PHOTOGRAPHY/DIGITAL I, II, AND III

LENGTH: 1 Trimester

GRADES OFFERED: 9- 12

These courses must be taken in sequence.

This course covers both 35mm film and digital photography. This course will provide you with an understanding of photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the fundamental processes of artistic expression. Topics covered in the course may include in the darkroom as well as in the computer lab with photo editing software, controlling resultant prints; touching up negatives; and finishing, coloring, restoring, and copying prints.

COURSE: DIGITAL MEDIA ARTS I, II, and III

LENGTH: 1 Trimester

GRADES OFFERED: 9– 12

Prerequisite: Prerequisite: Photography recommended. These courses must be taken in sequence.

Digital Media Arts is the fundamentals of graphic design and provides you with the opportunity to apply these principles to printed media, digital presentation media, and interactive media. Topics may include graphic design, web design, use of digital cameras, and technology. Second and third year will focus on the area of interest in one area in exploring the creative and conceptual aspects of designing and producing digital imagery, graphics, and photography.

COURSE: VIDEO/ANIMATION/WEB DESIGN

Length: 1 Trimester

Grades offered: 9-12

Prerequisite: Photography & Digital Media Arts Recommended

This course will have you explore video communications, incorporating both the technical and artistic aspects of video media. Topics covered in the course include the use of video equipment and techniques, and you will typically create a video presentation. Advanced course topics may include creating various forms of film media including silent film; sport and music video; and self-portrait video.

COURSE: Independent Study

LENGTH: 1 Trimester

GRADES OFFERED: 10 - 12

Prerequisite: Teacher permission forms are available from the art teacher and high school counselor.

The Art Studio course is an independent studio course for the serious art student. Students will be given advanced level projects and assignments including research papers. Only those students who are self-motivated and wish to develop an individual approach to their art will be given teacher permission. Artwork done in this course is expected to be of quality necessary to enter into competition. Only 2nd and 3rd year students in any subject. You may be able to transfer your 3rd year credit, if enrolling in a post secondary school in the field you are interested in.

Independent Study Optional Courses: Sculpture, Art Appreciation and Printmaking.

Business

COURSE: *PERSONAL FINANCE*

LENGTH: 1 Trimester

GRADES OFFERED: 11 (Graduation Requirement)

Welcome to a class that is going to give you a head start on your future! Learning how to manage your money is one of the most important skills you can have. Why? Because your financial decisions will have long-term consequences, either good or bad. This class will give you the tools and knowledge that will help you win with money right from the start. When it comes to your financial future, we want you to aim high and dream big. Students need to develop an education and career plan that will help them obtain and grow their income over time. This plan needs to account for the uncertain and changing market of the 21st century. While having a career plan and strong work ethic are important components of building wealth, understanding how to make money work for them through an investment and retirement portfolio is also necessary.

COURSE: *ACCOUNTING (Not offered the 2024-2025 academic year)*

LENGTH: 1 Trimester

GRADES OFFERED: 11-12

What is accounting? It is most often called “the language of business.” It’s called this because in a business, everything comes down to “the bottom line.” All businesses use accounting to keep track of finances (i.e. how much money they make vs. how much money they spend). In this course, students will learn basic accounting terminology and concepts, journalize and post to ledgers, and prepare worksheets as well as financial statements. Manual accounting and computerized accounting will be used in this class.

COURSE: *INTRODUCTION TO BUSINESS*

LENGTH: 1 Trimester

GRADES OFFERED: 9-12

This class introduces the basics of business on both a domestic and global level. All areas of basic business management are covered. Entrepreneurship, marketing, human resource management, accounting, and finance are some of the basic business principles being covered. Students will form, develop, and create their own mythical business while overseeing the financing, production, marketing and management of the business.

COURSE: *SPORTS & ENTERTAINMENT MARKETING*

LENGTH: 1 Trimester

GRADES OFFERED: 9-12

This course is created to meet district and state curriculum standards. Students will cover a broad area of marketing basics while diving deep into sports and entertainment marketing skills. This course has students cover all the newest trends in the marketing world. The class will explore the basic concepts and also apply a simulation project where students will actually prepare a sports and entertainment marketing plan. Each student will develop leadership and problem-solving skills, understand the

importance of making ethical decisions, develop public speaking and presentation skills, proper social and business etiquette, analyze possible solutions to specific business problems, develop business leadership skills, and develop an increased understanding of the business world.

COURSE: *BUSINESS TOPIC (Independent Study)*

LENGTH: 1 Trimester

GRADES OFFERED: 11-12

Looking to learn more in Accounting, Marketing, Human Resource Management, Management, and Finance etc. Set up a course that fits your needs. Mr. Dahl, Mrs. Litsey, and Mr. Butche must approve your course. Other topics may also be approved if you are passionate about a business topic not already listed above. See Mr. Dahl for all questions.

COURSE: *WORK-BASED LEARNING*

LENGTH: 1-3 Trimesters

GRADES OFFERED: 11-12

Length: 1-2 Periods

Work-based learning (WBL) is formalized learning with instruction occurring at the school and at a community-based setting with an employer. Work-based learning is a collaborative endeavor between a student, his/her parent/guardian, an employer, and the school that engages students in real-world activities. Through school involvement and defined learning, students have the opportunity to earn school credit for the supervised WBL. The experience provides students with opportunities to build career awareness, explore careers, and develop critical thinking, decision-making and problem solving skills.

English

English Department Requirements:

9th grade: English 9A & 9B (2 trimesters)

10th grade: English 10A & 10B (2 trimesters)

11th grade: English 11A & 11B (2 trimesters)

12th grade: English 12A & 12B (2 trimesters)

Required Courses:

English 9A/9B

This course includes units on the following: Media literacy, short stories, a persuasive research paper, the Shakespearean drama *Romeo and Juliet*, the novel *West Side Story*, assorted poetry, drama, and a review of grammar, usage and mechanics. There will be sustained silent reading with a required book report each quarter.

English 10A/10B

Students will read and analyze a variety of works from various literary genres in order to develop an appreciation of literature from around the world, while making connections to significant events in history and modern society. Grammar, usage, mechanics, and attention to style will accompany the literature.

English 11A/11B

Students will review the elements of grammar and usage through writing essays and a research paper. Students will learn to organize, write, proofread, and edit their written work. This course will also include a unit on career writing using cover letters, resumes, job applications and other career-related written assignments.

English 12A/12B

Previous Description: Students will study American and British authors, their perspectives, and contributions. Literature may include novels, plays, poems, short stories, and essays. An introduction to mythology and debate will be included, as well as a review of grammar, usage, and mechanics through writing assignments. *Students may substitute College Literature and College Writing for this requirement.

Elective Literature Courses:

Novels 10,11,12

Students will study the novel as a literature form. Students will read, discuss, and write about the novels, both individually and as a class. This class will focus on reading, writing, and critical thinking skills.

Mythology 9,10,11,12

Students will study ancient legends and stories about gods and people from around the world. The class will also offer students a chance to use their creativity to create their own mythology.

College Literature 11,12

Students must have a 3.0 GPA or better to register or they must have approval of the teacher.

An introduction to reading and analyzing various genres of literature, including fiction, poetry, creative nonfiction and drama. Students will respond critically to readings of different historical and cultural contexts through class discussion and written evidence-based literary arguments.

Additional Elective Courses

College Writing 12

Students will learn how to successfully write for college. This is an academically challenging college-level writing course. It is open to seniors who have a minimum of a 3.0 G.P.A. This course is offered through College in the Schools (CITS). Upon successful completion of this course, 3 college credits are given through UMD.

Additional Offerings (general elective credit only):

Public Speaking 10,11,12 (Yearly)

Students will build upon their basic public speaking experience. Emphasis will be placed on both real-world and formal speaking situations. Students will also be asked to write an analysis of a speech. The intent of this course is to advance student's ability to communicate effectively in a wide range of situations.

Publications 10,11,12 (Yearly)

This course combines both journalism and yearbook. Students will focus on writing publications, including blogs, newspapers, and yearbook pages. Each student will be expected to learn all aspects of publishing from taking photos to writing articles to designing page layouts. Students will contribute to the school yearbook as well as the school newspaper. Students do not need to take both trimesters of this course, but may do so. One trimester can be used as an English elective; a second trimester of the class can only be used as a general elective.

Future English Offerings (For planning purposes only - these courses are not available in 2024-2025):

Woods, Waters, and Writers 10,11,12

Students in this course will read and write naturalistic texts. The literature portion of the course will range from early transcendentalist writers to more contemporary authors. Students will also be asked to write in a variety of formats: poetry, essays, sketches, memoirs, and journals. Students will be required to participate in outdoor activities on a regular basis.

Young Adult Literature 10, 11, 12

Students will read and reflect on a variety of Young Adult literature. In addition to reading and analyzing YA novels written by a diverse group of authors, we will also analyze the social, cultural, and media influences of these works.

Shakespeare 10, 11, 12

Students will study the Elizabethan time period as a backdrop from which to examine Shakespeare's poetry, tragedies, comedies, or histories.

Science Fiction 10, 11, 12

Students will examine science fiction and fantasy as a literary genre. Materials may include short stories, novels, drama, and poetry.

Drama as Literature 10,11,12

Students will read and discuss a sampling of plays and literature that demonstrate dramatic structure. This course will also require students to participate in, attend, and review dramatic performances both in and outside the classroom.

Nonfiction 10, 11, 12

This course will introduce readers to fundamentals of nonfiction literature. Students will examine a wide range of authors and texts, ranging from creative nonfiction to biographies.

Creative Writing 10,11,12

Students will develop a writing portfolio as they try their hand at a variety of writing forms. Projects may include: poetry, essays, nonfiction, fiction, drama, etc.

Mysteries 10, 11, 12

Students will read and discuss the mystery genre using novels, short stories, and other texts. They will understand the history of mystery writing, well-known mystery authors, and how these authors use writing techniques to create a suspenseful story.

Poetry 10,11,12

Students will read and listen to poetry spanning the 18th, 19th, 20th, and 21st centuries. Students will also write their own poetry and have a chance to perform in class and elsewhere.

Film as Literature 10, 11, 12

Students will learn the history of film and will watch and study literary aspects of film. Students should expect to read corresponding texts and complete writing assignments analyzing key aspects of film.

World Literature 10,11,12

Students will study classical and contemporary world authors, their perspectives and contributions. Literature selections may include novels, plays, poems, short stories, and essays which reflect the cultural diversity of the selected authors.

Short Stories 10,11,12

Students will study the short story genre, its structure, and a variety of examples. Students will read, discuss, and write about the stories. The students will participate in a variety of activities, working toward the development of an original short story. Critical analysis will be demonstrated through a short story review.

Industrial Technology

INTRODUCTION TO WOOD TECHNOLOGY

GRADES OFFERED: 9-12

This course is for the beginning woodworking technology student. Included will be the basic beginning skills necessary for safe operation of hand tools, power tools, and machines while working with wood. Operations will include cutting, drilling, gluing, sanding, attaching fasteners, and the finishing work necessary to complete individual small projects. Individual project costs are the responsibility of the student.

WOOD TECHNOLOGY II

GRADES OFFERED: 9-12

Prerequisite: Introduction to Wood Technology with a grade of “c” or better

This course consists of the various elements of woodworking. The objective is to develop in each student a better understanding of the scope and future implications of the woodworking industry. Included in the course will be the basic skills necessary for safe hand and machine tool operation in working with wood and wood products, preparing a bill of materials and price estimate of the project before beginning. Experience is gained in cutting, drilling, wood joints, gluing, metal fasteners, sanding and finishing through the completion of individual projects. Individual project costs are the responsibility of the student.

CARPENTRY

GRADES OFFERED: 9-12

Prerequisite: Introduction to Wood Technology with a grade of “c” or better

Course instruction will include safety, tools, equipment, materials and processes of residential construction through the use of textbooks, film, field trips, lectures and hands-on experience. Some materials that will be covered are: cement, concrete, lumber, doors, windows and roofing. Some processes are: permits, floor-wall framing, rafter framing, foundation, and shingling. Related instruction will pertain to the study of mathematics related to the carpentry trade used in print reading and estimating materials and costs. Students will construct a scale model of a small residential structure as a final project.

GENERAL CONSTRUCTION

GRADES OFFERED: 10-12

Prerequisite: Introduction to Wood Technology with a grade of “c” or better

Classroom instruction will be a simulated on-the-job construction site along with classroom study of the building and construction field. Activities include the design and construction of utility sheds, shelters and garages. This course is recommended for students with a strong ability and desire to enter some type of construction vocation.

Future Industrial Technology Offerings (For planning purposes only - these courses are not available in 2024-25)

HOME MAINTENANCE AND REPAIR

GRADES OFFERED: 9-12

This course provides the information and skills necessary to accomplish much of the repair work around today's homes. Topics ranging from home construction to home repairs will be discussed and practiced. Students will complete exercises related to electrical, plumbing, drywall, siding, roofing, and home inspection.

DIGITAL ELECTRONICS

GRADES OFFERED: 10-12

Prerequisite: Algebra skills recommended

This course assumes no previous knowledge. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, engineering standards, and technical documentation. Some activities include soldering parts identification, and logic based programming. Students will design and build their own electronic controls.

PRE-ENGINEERING & DESIGN

GRADES OFFERED: 10-12

Students will be exposed to drafting basics including drawings such as multi-view drawings, orthographic, isometric, and oblique. Students will also learn the alphabet of lines for proper line types used in drawings and how to identify and use them correctly. AutoCAD and AutoDesk software will be used. Standard pencil and paper, t-square and triangle drawings will be explored as well as computer generated drawings.

ENGINES & POWER

GRADES OFFERED: 9-12

This is a course that combines the study of small engines. The course covers areas of engine work and power development. Students will spend time building and taking apart an engine while learning about its operations and advancing to individual projects. Students will learn basic service techniques such as general maintenance, engine fundamentals, diagnostics, and troubleshooting. Students will develop an understanding of the costs associated with purchasing, maintaining, and repairing an automobile. Students will gain technical reading, writing, and math skills.

ADVANCED WOODWORKING/CABINETMAKING

GRADES OFFERED: 11-12

Prerequisite: General woodworking

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to read plans, distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinet making courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking course; more advanced topics may include how to install plastic laminates on surfaces and how to apply multiple types of finishes. Individual project costs are the responsibility of the student.

CADD (Computer Aided Drafting and design)

GRADES OFFERED: 9-12

CADD is the basis for all manufacturing and design. Using computer software to draft and design enables fast changes and modifications that are the backbone of modern manufacturing. Students will learn basic AutoCAD. Using the software to design, dimension, and manipulate digital drawings.

Moose Lake High School Math - Course Progression Flow Chart

Algebra 1

(Grade 8 or 9)



Geometry

(Grade 9 or 10)



Algebra 2

(Grade 11)



Advanced Algebra

(Grade 10 or 11)



Intro to Precalculus

(Grade 11 or 12)



Precalculus - 4 UMD credits

(Grade 11 or 12)



Calculus - 5 UMD credits

(Grade 12)

Math

COURSE: ALGEBRA I

Length: 2 Trimesters gr. 9, 3 Trimesters gr. 8

GRADES: 8 & 9

This is a full introductory and intermediate course in algebra. Topics will include working with expressions, solving equations, rate, proportion, rational expressions, linear equations and inequalities, functions, powers, roots, quadratic equations, linear systems, graphs, exponents and polynomials.

COURSE: GEOMETRY

Length: 2 Trimesters

GRADES: 9-12

PREREQUISITE: Algebra 1

This course uses investigations to lead to the discovery of geometric properties. Formal proofs and real applications stress logical thinking and problem solving strategies. Among the major topics are parallel lines, polygons, triangles, circles, areas and volumes, similarity, congruence and transformations. We build a set of knowledge from relationships between angles, lines and triangles before extending to generating formal written proofs about figures.

COURSE: ALGEBRA 2

Length: 2 Trimesters

GRADES: 10-12

PREREQUISITE: Algebra 1

Algebra 2 is a medium-paced course designed to meet the basic state advanced algebra standards. Topics will include: linear equations and inequalities, quadratic equations, graphing, systems of equations, exponents, logarithms, polynomials, factoring, functions, statistics and applications.

COURSE: ADVANCED ALGEBRA

Length: 2 Trimesters

GRADES: 10-12

PREREQUISITE: Algebra 1 (C or better)

Advanced Algebra is a faster-paced course that reviews and extends many ideas from the first-year algebra course. This course is designed to complete the requirements for state standards AND prepare students for college math courses. Topics will include: solving and graphing linear equations and inequalities, solving systems, exponents, functions, inverse functions, matrices, quadratics, polynomials, factoring, graphing, conic sections, rational functions, statistics and probability.

COURSE: MATH LAB * not currently offered

LENGTH: 1 Trimester

GRADES: 9-12

PREREQUISITE: None

This course provides students with an opportunity to recover credits from previous mathematics courses.

COURSE: COLLEGE PREP MATH (Independent Study) * not currently offered

LENGTH: 1 Trimester

GRADES: 11 & 12

PREREQUISITE: Alg. 2

This course is a math elective that provides exposure to math topics covered in a college algebra course.

COURSE: INTRO TO PRECALCULUS

LENGTH: 1 Trimester

GRADES: 11 & 12

PREREQUISITE: Adv. Alg. (C or better)

This course will review and introduce topics needed for Pre-Calculus. Review topics include exponents, factoring, radical expressions, rational expressions, and functions (linear, quadratic, exponential, and logarithmic). An introduction into concepts of trigonometry will also be covered.

COURSE: Pre-Calculus (4 UMD credits)

LENGTH: 2 Trimesters

GRADES: 11-12

PREREQUISITE: Intro to Precalculus (C or better), a high school G.P.A. of 3.0 or higher

This course introduces the concepts of analytical geometry, relations, functions, and graphs. It includes exponential, logarithmic, and trigonometric functions as well as conic sections, sequences and series, and systems of linear equations.

COURSE: Calculus I

(5 UMD credits)

Length: 2 Trimesters

GRADES: 12

PREREQUISITE: Precalculus (C or better), a high school G.P.A. of 3.0 or higher

This course covers the first part of a standard introduction to calculus of functions of a single variable. It includes limits, continuity, derivatives, integrals, and their applications.

Music

COURSE: BAND

LENGTH: 1 Year (3 Trimesters)

GRADES OFFERED: 9-12

Students will learn, develop, and refine instrumental skills by playing in full band, small ensembles, and as a soloist. Emphasis will also be placed on furthering each student's fundamental skills on his/her instrument, his/her understanding of music, and his/her overall musicianship. Students in band have the opportunity, and will be encouraged, to try out for jazz band and form chamber groups, and to participate in pep band.

Students who register for band should make every effort to register for the entire year . If you are unable to take band all three trimesters, the students **MUST** receive written permission from the director to be a part of the ensemble. It is important that you continue to play and advance your individual skill level, so that we can continue to grow as an ensemble both between trimesters and years. For that to occur, we need you in band as often as possible, and we need you practicing on your own in the event that you are unable to take band for a trimester at some point. Students planning on attending a major trip with the band must be in the class all year. **Students who have never taken the class or have been out of band for a year or more are welcome and encouraged to join, but should see the instructor shortly after enrolling to determine skill level and plan remedial work, if such work is deemed necessary.**

Requirements for Band:

1. Each student must have an instrument in good working order, as well as the supplies needed to maintain that instrument (some instruments are available for rental for a small fee).
2. In addition to regular classroom attendance, all students are required to participate in all concerts and large ensemble contests.
3. Each student is responsible for the material in the Band Handbook, which may include attending required concerts, preparing a piece for contest, completing projects and written assignments, etc. A complete list of requirements can be found in the Band Handbook.

COURSE: CHOIR

LENGTH: 1 Year (3 Trimesters)

GRADES OFFERED: 9-12

Students who wish to participate must simply enjoy singing. While musical background or prior experience is not necessary, membership in the 7th & 8th Grade Choir would be preferred. Performing the highest quality literature, this choir's activities include participation in all curricular choir concerts, various clinics, contests, and area performances. Students have the opportunity to audition for the Vocal Jazz Ensemble. Students will learn about music liberally, studying music theory, music history, critical listening, ensemble performance, and solo performance. This class fulfills the fine arts graduation requirement.

Students who register for choir are required to register for 3 trimesters. If you cannot register for all 3 trimesters, the student MUST receive written permission from the director to be part of the ensemble. Students planning on attending a major trip with the choir must be in the class all year. A vocal audition is required to determine placement within the ensemble.

Requirements for Choir:

1. Each student is required to attend all class concerts, contests, etc., as listed in each year's choir handbook. This also includes sectional rehearsals scheduled, whether they are during the school day or outside of school hours.
2. Students must follow the code of conduct at all times as indicated by the Choir Handbook.
3. Students are responsible for all academic work as assigned.
4. Students are responsible for all required concert dress that is not provided by the Choir Department.

Physical Education

HEALTH

The following health courses are required:

COURSE: PERSONAL HEALTH

LENGTH: 1 Trimester

GRADES OFFERED: 9-10 (2025-2026)

Students will experience and discuss the practical application of physical, social, and mental/emotional health issues. Topics include: personal safety, body systems and interpersonal communication skills.

COURSE: COMMUNITY HEALTH

LENGTH: 1 Trimester

GRADES OFFERED: 9-10 (2024-25)

Students will explore the health issues which will enable them to become wise health decision makers and consumers in today's society. Topics will include: character building, decision making, fitness, nutrition, communicable diseases, cardiovascular and other noncommunicable diseases, and current health issues.

COURSE: Wellness for Life - elective

LENGTH: 1 Trimester

GRADES OFFERED: 11-12

This class could count for a Health credit or PE credit. This class is designed to help students explore their fitness as well as creating positive wellness habits. A typical week in this course allows students to be active in our fitness center/gym areas 3 times per week with classroom exploration 2 times per week.

PHYSICAL EDUCATION:

Students are required to take two trimesters of Physical Education for a total of one credit. Students in 9th grade will take one trimester of required PE and can then choose from the PE electives in grades 10-12. These elective courses can be taken anytime in grades 10-12. Students may take more than the required two courses as elective credit.

COURSE: PE 9

LENGTH: 1 Trimester - required

GRADES OFFERED: 9

Physical Education (9) is a course to provide students the opportunity to experience a variety of physical activities while learning rules, skills, and strategies in multiple team, individual and dual activities. Students will learn various fundamentals and concepts of a variety of lifetime sports, team sports and fitness activities.

COURSE: Team Sports

LENGTH: 1 Trimester

GRADES OFFERED: 10 -12

The Team Sports course provides students the opportunity to experience a variety of team sports. Activities may

include but are not limited to flag football, soccer, ultimate games, team handball, basketball, floor hockey, volleyball, and/or other PE team games. Content includes a high level of participation and competition with an educational mindset. The competition is between a recreational level and varsity sport level. Includes comparison of various invasion games examining strategies, proper sportsmanship, refereeing, rules, and skills.

COURSE: Weight Training

LENGTH: 1 Trimester

GRADES OFFERED: 10 -12

This course is designed for students to learn proper lifting techniques, spotting methods, weight room safety and workout routines. Activities will include, but are not limited to, a multitude of lifts utilizing free weights, other weight room equipment and machine weights, as well as an emphasis on conditioning and fitness while creating an individualized lifting program.

COURSE: Lifetime Recreation

LENGTH: 1 Trimester

GRADES OFFERED: 10 -12

Students will learn a variety of rules, skills, fundamentals and strategies in a variety of individual, dual sport and team games. Safety and sportsmanship will be emphasized. Activities may include, but are not limited to: traditional team games with a recreational level focus, badminton, pickleball, tennis, Nitroball, frisbee, Spikeball, table tennis, backyard games and other individual and dual sports. Fitness components will also be incorporated.

COURSE: Wellness for Life

LENGTH: 1 Trimester

GRADES OFFERED: 11 -12

This class could count for a Health credit or PE credit. This class is designed to help students explore their fitness as well as creating positive wellness habits. A typical week in this course allows students to be active in our fitness center/gym areas 3 times per week with classroom exploration 2 times per week.

Science

SCIENCE REQUIRED COURSES:

PHYSICAL SCIENCE

Prerequisite: None
Length: 2 Trimesters
Grade Offered: 8

Physical Science is a course which introduces students to the fields of chemistry and physics. Units covered in this course include: Science Methods, The Structure and Properties of Matter, Atoms and Chemical Reactions, Motion, Radiant Energy, Electricity and Magnetism, and Heat. A special emphasis is placed on the development of good laboratory habits.

EARTH SCIENCE

Prerequisite: None
Length: 2 trimesters
Grade Offered: 9

Students study geology, formations of rocks, layers of the earth.

CHEMISTRY

Prerequisite: None
Length: 2 Trimesters
Grades Offered: 10

This sequence will provide a solid background for Biology & college chemistry. The student should feel comfortable with basic algebra and interpreting simple formulas. Topics covered will include: atomic structure, the periodic table and trends, chemical bonding, states of matter, quantitative relationships in chemical reactions; kinetic molecular theory; atomic and molecular 3-D structure and how they influence chemical reactions including rates, energies, and equilibrium, and acid-base relationships. The water molecule is a central feature that leads into biology. Laboratory investigations are an integral part of the course, as students are expected to use evidence to back up and justify the claims they make about phenomena.

BIOLOGY

Prerequisite: None
Length: 2 Trimesters
Grade Offered: 11

This is an introductory biology course. This course is intended to give you a background in many different areas of biology. We will cover ecology, ecosystems, chemistry, biochemistry, microbiology, reproduction, DNA/RNA, genetics and evolution. This is a lab-based course and we will perform a variety of labs in each section.

SCIENCE ELECTIVE COURSES:

Woods and Wildlife

Prerequisite: None

Length: 1 Trimester

Grade Offered: 10th -12th

In this course, students will acquire basic outdoor survival skills by hitting the field and learning how to use a GPS, bow and arrow, identify wildlife markings, purify water, build a campfire, and more. Be prepared to be outdoors most days, as this class primarily takes place in the school forest where we will install and maintain trail cameras, geocache, and garner an appreciation for the natural world around us and its sustainable management. This class is for anyone who wants to learn more about our natural resources, from beginners to experienced sportspersons.

Environmental Science 101 Fall, 102 Winter, 103 Spring

Prerequisite: None

Length: 1 Trimester

Grade Offered: 9-12

Students will learn the skills to explore and record the changes in the natural world throughout all of our seasons.

Fall Trimester 101: Utilizing our school forest and local waters to explore the topics of ecology, forestry, water quality and the identification and management of invasive species.

Winter Trimester 102: Explore the ecosystem and adaptations for winter. Develop the skills necessary to access the environment in the winter. Expect to be outside hiking, cross country skiing, snowshoeing and building a quinzee shelter. Research current environmental issues including renewable energy, climate change, wildlife management and ecological issues.

Spring Trimester 103: Learning the life cycle of aquatic invertebrates, apply your knowledge by trying out your own fly design while tying your own flies. Research current environmental topics in Minnesota and participate in the Envirothon Competition the first Monday in May. .

HUMAN ANATOMY & PHYSIOLOGY 101

Prerequisite: Completion of Biology A with a C or better recommended

Length: 1 Trimester

Grade Offered: 10th-12th

Human Anatomy and Physiology is a lab and discussion based course designed to introduce students to the structure of the human body and how it works. Students will study the structure and function of the

skeletal system, skeletal muscles, and nervous system. You will perform dissections of the heart and lungs to learn how the cardiovascular system works as well as common problems they experience. This class is for anyone taking the EMR class or thinking about working in medicine.

EMERGENCY MEDICAL RESPONDER (EMR)

Prerequisite: None

Length: 1 Trimester

Grade Offered: 11th-12th

The Emergency Medical Responder course provides instruction in emergency medical care for those who are first on the scene of an accident or medical emergency. The goal is to provide students with the core knowledge, skills and attitude to function as an EMR opening opportunities in fire and rescue organizations and meeting prerequisites for more advanced medical training. Certificate awarded upon completion of final exam. American Heart CPR for the professional rescuer certification included in coursework.

Introduction to Health Careers

Prerequisite: None

Length: 1 Trimester

Grade Offered: 10-12

This course is designed for students interested in exploring various careers in the healthcare industry, e.g., dental assisting/hygiene, diagnostic imaging, emergency medical services, medical assisting, medical office careers, orthotics and prosthetics, nursing, and other allied health fields. It is an overview of how healthcare is delivered in the United States. This course will give students an opportunity to explore their future in the healthcare industry through field trips, speakers and research presentations.

COLLEGE PHYSICS: 5 Credits UMD (3 cr Lecture + 2 cr Lab)

Students must have a 3.0 GPA or better to register or they must have approval of the teacher.

Prerequisite: Successful completion of Advanced Algebra or instructor permission.

Length: 2 Trimesters

Grades Offered: 11th-12th

This course will provide a solid background for college physics for students majoring in pre-med, life science and some applied sciences as well as non-science majors. Algebra and Trigonometry are used throughout this lab-centered course. It covers a wide range of physics topics including Newtonian mechanics, forces, gravity, waves and balancing forces.. Strong emphasis is placed on building a deep conceptual and mathematical understanding of these main physics principles.

Recommended Background for Success:

A solid understanding of the basic concepts in physical science, as well as a mastery of the concepts in Advanced Algebra. Successful students are confident in their algebra and trigonometry skills.

STEM: ROBOTICS

Prerequisite: None

Length: 1 Trimester

Grade Offered: 9th - 12th

Robotics is designed for any student with an interest in coding or robotics. Students will learn how to program both basic and increasingly complex robot behaviors using LEGO Mindstorm EV3 Robots. Students will put their building and programming skills to the test by completing simple and multiple-step challenges with their robots.

Spanish

COURSE: SPANISH I

LENGTH: 2 Trimesters

GRADES OFFERED: 9-12

“¿Habras Español?” If you would like to speak and understand, as well as read and write in Spanish, here’s the place to start! You will learn to communicate in basic life situations; like talking about yourself and others, expressing needs and opinions and asking questions. You will also learn about the customs and culture of Spanish speaking countries.

COURSE: SPANISH II

LENGTH: 2 Trimesters

GRADES OFFERED: 10 -12

PREREQUISITE: Successful completion of Spanish I

Further improve and expand your Spanish speaking, listening, reading, and writing abilities! Learn to do more than just “survive “ in the language. You will be able to carry on more extended conversations and will learn to use a variety of verb tenses. Continue to grow in your cultural knowledge as well. By the end of the year, you are ready for traveling!

COURSE: SPANISH III

LENGTH: 2 Trimesters

GRADES OFFERED: 11 -12

PREREQUISITE: Successful completion of Spanish II

In this class you will increase your vocabulary and begin to use more complex sentence structures as you speak and write in Spanish. Class will focus on practical vocabulary, grammar, reading, writing, and conversation. In addition to being able to discuss and write about every day topics you will be able to express opinions and discuss more complex issues and topics. You will also dive deeper into Latino/Hispanic culture, history, literature, and current events.

COURSE: LATIN AMERICAN CULTURE

LENGTH: 1 Trimester

GRADES OFFERED: 9-12

PREREQUISITE: NONE

This class is an enrichment class discussing and learning about various cultures throughout Latin America. The trimester focus is on Spain, Mexico and two other selected countries in the Hispanic world. The class is not in Spanish but students will learn Spanish words as much leans towards the language when studying culture. There are art, music and cuisine activities sampled within the class.

No prerequisite in art or Spanish language is required. There will be written reports on aspects of different countries, music types, arts and also recipes on a dish that is of Latin origin. This class is very hands-on and interesting.

COURSE: SPANISH IV

LENGTH: 1 Trimester

GRADES OFFERED: 12

PREREQUISITE: Successful completion of Spanish III

This course will focus on culture, literature, advanced oral skills, and advanced grammar. In this class you will focus in depth on reading, writing, listening, and speaking. In this course you will be working with advanced novels in order to help you gain more confidence in your Spanish skills. In this course you will learn to discuss more advanced topics and dive into more complex issues that affect the Spanish-speaking world.

Social Studies

Required Courses

COURSE: WORLD HISTORY

LENGTH: 2 Trimesters

GRADES OFFERED: 9

This is a required two trimester class that will build a foundation for understanding human history across different cultures and civilizations in both Western and non-Western societies. Connections to archeology, anthropology will be woven into the course along with the interaction among world cultures with the goal of the linking of the past and present.

COURSE: GLOBAL ISSUES

LENGTH: 2 Trimesters

GRADES OFFERED: 10

This is a required two trimester class for all tenth graders. The intent of the class is to provide a global understanding of the elements that have shaped the people in various regions of the world. It will also look at the impact these various regions have on the U.S. and its foreign policy. The areas to be covered will be Africa, China, Japan, India, Latin and South America, the Middle East, the Commonwealth of Independent States and Europe. It will also include an emphasis on current events in the world.

COURSE: AMERICAN HISTORY

LENGTH: 2 Trimesters

GRADES OFFERED: 11

American History is a 2 trimester course required of all juniors. Each trimester will emphasize a different portion of American History. The first trimester will cover approximately WWII to Vietnam War, and the second trimester will be Vietnam War through present day. The emphasis will be on themes of U.S. History.

COURSE: ECONOMICS

LENGTH: 1 Trimester

GRADES OFFERED: 12

This course is designed around the Minnesota Economic Standards for Social Studies. It is a broad overview of both micro and macro economic concepts. Emphasis is placed on developing the economic way of thinking and problem solving in real world applications. Students will participate in simulations that range in topic from business and consumer ideas of price, value and cost to fiscal and monetary policy and global trade.

COURSE: US GOVERNMENT

LENGTH: 1 Trimester

GRADES OFFERED: 12

This is a required one trimester course that focuses on the foundations of the United States Government, including political participation and behavior. It is intended to address state standards and will have a rigor commensurate with 12th grade abilities and expectations.

Elective Courses:

COURSE: COLLEGE SOCIOLOGY (2025-26)

LENGTH: 1 Trimester

GRADES OFFERED: 11-12

College Credit will be given for this course.

Students must have a 3.0 GPA or better to register or they must have approval of the teacher.

This is a one trimester elective college course offered through U.M.D. that studies the social behavior of people. It looks at the origins, organization, institutions and development of human society. This class is highly recommended for students pursuing careers in psychology, social services, education, law and law enforcement, and health. **4 College Credits**

COURSE: COLLEGE EUROPEAN HISTORY: EUROPE IN THE MODERN AGE (2024-2025)

LENGTH: 1 Trimester

GRADES OFFERED: 11-12

College Credit will be given for this course.

Students must have a 3.0 GPA or better to register or they must have approval of the teacher.

This is a one trimester elective college course offered through U.M.D. that studies modern Europe. It looks at the analysis of economic and technological revolution, collision of ideologies, imperialist expansion, revolutions, and wars. **4 College Credits**

COURSE: MILITARY HISTORY (2024-2025)

LENGTH: 1 Trimester

GRADES OFFERED: 9-12

This is a one trimester elective course that studies the essential subjects of military history including the causes of war, the social and cultural foundations, military doctrine on each side, the logistics, leadership, technology, strategy, and tactics used, and how these changed over time. This course would benefit those considering a career in the military, government, law enforcement, or who are interested in the development of warfare.

COURSE: POP CULTURE (2025-2026)

LENGTH: 1 Trimester

GRADES OFFERED: 10-12

Pop Culture is a class about media, economics and consumerism. The focus is on the history of music, movies and television with the goal of making students critical consumers of media. It is a project-based course that asks students to critique and analyze the many facets of American society—sports, fashion, media, television, film and music.