

Lake Mills High School

Lake Mills, Wisconsin

Preparing all of today's students for tomorrow's opportunities.



2025-2026 Course Description Guide

Revised
November 2024

PUPIL NON-DISCRIMINATION STATEMENT

The Board is committed to providing an equal educational opportunity for all students in the District. The Board does not discriminate on the basis of race, color, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, sex, (including gender status, change of sex or gender identity), or physical, mental, emotional, or learning disability (Protected Classes) in any of its student program and activities.

Please see complete Board Policy po2260.

The Board designates the following individuals to serve as the District's Compliance Officers:

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This course description book is designed to assist in selecting courses throughout your high school years. It has been developed to provide information about all the courses and offerings available to you at Lake Mills High School, as well as other important facts, which will help in planning your high school and post-high school education.

As you progress through high school, you are required to take certain courses designed to help you become a well-rounded individual. In addition, you may select electives to explore and develop your own interests and to prepare yourself to meet your goals.

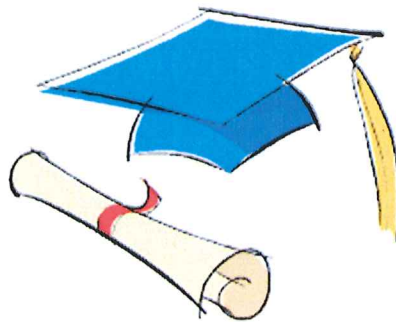
What you learn both inside and outside the classroom and the goals you set for yourself will largely determine what you will be able to do with your life. At each stage of your high school career, you should seriously consider your goals and develop a program of study to prepare you for further education in your life's work.

It is important that you review this guide with the following questions in mind:

- What are your interests?
- What are you good at that might develop into a possible career choice?
- What standard of living, lifestyle and work environment are most appealing to you?
- What kind of education is needed for your plans after high school?

We hope that all courses listed in this guide will be offered during the 2024-2025 school year. However, it is possible that some may not be offered due to lack of student requests or scheduling conflicts.

We look forward to a great school year for every Lake Mills High School student!



The selection of courses should be taken very seriously. LMHS uses the student requests for courses to determine staffing and the schedule for the following year. Requests for course changes will be limited in 2025-2026

COURSE SELECTION

OVERVIEW

Lake Mills High School operates on a semester schedule. Each semester class equals .5 credits, unless otherwise noted. This handbook gives Lake Mills High School students and families the information necessary to choose courses for next year. The same information is listed on our website under HIGH SCHOOL.

Elective courses are those that are chosen by the student. Your abilities, interests, and educational plans should help you decide which electives you choose. If you have any questions about which courses to take, please contact the Lake Mills High School Counseling Department.

GRADUATION REQUIREMENTS

To graduate from Lake Mills High School, a student must:

- Carry eight (8) courses each semester. Seniors with a minimum of 21 credits may select one full block study hall each semester.
- Earn a minimum of twenty-six (26) credits
- Successfully complete:
 - English: 4 credits- English 9, 10, 11-required
 - Social Studies: 3 credits- World History, US History 10, US History 11 & Current Issues **or** AP US History required
 - Math: 3 credits - Algebra required
 - Science: 3 credits - Biology required
 - Physical Education: 9th (1st semester), 10th, 11th, 12th (one semester)
 - Health –9th grade 2nd semester
 - Personal Finance- .5 credit
 - Elective credits (11.75)
 - Successfully complete Lake Mills High School portfolio and exit interview
 - Successfully complete state civics exam
- In addition to the above requirements, all seniors must enroll in at least one core course (English, math, science, social studies) in each semester.

Beginning with the class of 2028: 0.5 credit of Personal Finance will be a required course to graduate from LMHS.

SCHEDULE CORRECTIONS

Adding or dropping of classes will be considered on an individual basis. Any course dropped after the first two days of the semester may result in a failing grade. This policy requires that students think carefully about their course selections before registration. Here are acceptable and unacceptable reasons for schedule corrections:

Acceptable

Unacceptable

- | | |
|---|---|
| <ul style="list-style-type: none">• I'm not in the correct level placement.• I have not taken the prerequisite for a certain class.• A core class is missing from my schedule.• I need to fulfill a graduation requirement.• I already took this class. | <ul style="list-style-type: none">• I want a different teacher.• I don't know anyone in the class.• I want to move my class to a different section.• I'm no longer interested in this class. |
|---|---|

COLLEGE PREPARATION IN HIGH SCHOOL

The stronger the college preparatory courses you complete in high school, the more likely you'll succeed in college. High school courses should prepare you for college by developing strong academic skills. While college entrance requirements vary, most require a minimum of 17 college preparatory credits from high school. The following information provides a guideline for the UW System. However, you should always check with schools of interest for their specific requirements:

- 4 years of English, including composition and literature
- 3 years of social science involving the theoretical study of culture, history, political science, economics, human behavior, and societies (such as psychology and sociology)
- 3 years of math, including algebra, geometry, and other courses with algebra and geometry prerequisites.
- 3 years of natural science, including one or more units of lab science, such as biology, chemistry or physics
- 4 elective credits which may be chosen from English, math, natural or social science, fine arts, foreign language, computer science and other academic areas.

EARLY COLLEGE CREDIT PROGRAM (ECCP)

Wisconsin's Early College Credit Program (ECCP) allows students in grades 9-12 to take post-secondary courses at a UW System school or a state participating private non-profit institutions of higher education. It is important to note the priority is put on competing graduations requirements first. Not all classes will fit with a high school schedule. The school district pays for tuition and fees unless a comparable course is available in the district. If a comparable course is available, the student may be able to take the course but is responsible for tuition and fees. The student is responsible for transportation. The school board must approve these course selections in advance. The student shall be admitted to the course if the requirements and prerequisites of the course are met and there is space available. Completed courses earn high school credit and count in a student's grade point average, as well as accumulating college credit and grade point average. **Applications for the summer semester are due February 1. Applications for fall semester are due March 1 Applications for spring participation are due October 1.**

START COLLEGE NOW

Wisconsin's Start College Now program allows students in grades 11-12 to take post-secondary courses at a technical college. It is important to note the priority is put on competing graduations requirements first. Not all classes will fit with a high school schedule. The school district pays for tuition and fees unless a comparable course is available in the district. If a comparable course is available, the student may be able to take the course but is responsible for tuition and fees. The student is responsible for transportation. The school board must approve these course selections in advance. The student shall be admitted to the course if the requirements and prerequisites of the course are met and there is space available. Completed courses earn high school credit and count in a student's grade point average, as well as accumulating college credit and grade point average. **Applications for fall semester participation are due March 1. Applications for spring participation are due October 1.** Summer sessions are not available for this program.

VIRTUAL COURSES

Virtual courses provide flexible learning opportunities to Lake Mills High School students. Students may elect to take a virtual course only if a similar course is not offered in the district. Students who select a virtual course need to have strong time-management skills, self-motivation, be able to use a variety of technologies and have appropriate etiquette online.

- Virtual courses are only available to 10-12th grade students
- Students must have earned a C or better in all classes the semester prior to be eligible for virtual courses.
- **If you choose to drop a virtual course for any reason after you've been enrolled, you will be billed for the full cost of the course of \$295.**
- Failure of a virtual course or the inability to complete a virtual course in the designated time period will result in a student's inability to take another virtual course in the future.
- One virtual course is allowed each semester.
- Virtual courses are included in the Course Index and denoted by (online).
- Students earn an S/U grade at the end of 1st and 3rd quarters based the completion of all gradable activities by the midterm target due date with and overall passing grade of 60% or better

GLOBAL SCHOLARS PROGRAM

Lake Mills High School is pleased to offer students the opportunity to earn a Wisconsin Global Education Achievement Certificate. The parameters for the certificate have been developed by the Wisconsin DPI. The certificate acknowledges students have demonstrated a strong interest in global issues by successfully completing a global education curriculum and engaging in co-curricular activities and experiences that foster the development of global competencies. Students graduating from high school may be awarded the distinction of Wisconsin Global Scholar if they have completed the following requirements:

- Four (4) credits in one world language.
- Four (4) credits in courses of global content. One of those credits may be a year of a second world language. Follow this link: <https://sites.google.com/a/lakemills.k12.wi.us/lmhs-geac/> or see the high school website for the course list.
- Reflections on eight books (fiction or nonfiction) with global content. Alternatively, up to four reflections may be on art, music or film.
- Participation in school-wide global activities.
- A minimum of twenty (20) hours of global service learning.

EXTRACURRICULAR ACTIVITIES

Welcome to the diverse and vibrant world of Lake Mills High School clubs and activities! Our school offers a wide range of opportunities for students to explore their interests, develop new skills, and build lasting friendships. Get involved, make a difference, and make your high school experience truly memorable. Scan the code to explore the see what we have to offer!



Laude System

Lake Mills High School will recognize graduating seniors through the Laude System. The Laude System acknowledges student achievement through a combination of a student's cumulative grade point average and the number of honor points accumulated throughout their high school career. Students receive .5 points per semester (AP 1 point per semester) with a grade of a B- or above in the eligible course in the chart below.

The requirements for laude recognition at graduation are: having a minimum cumulative GPA of 3.4, at the end of a student's 7th semester and a laude score of at least 16 at the end of a student's 8th semester. A student's cumulative GPA and honor points mathematically create an overall laude score.

The three possible laude distinctions are:

- laude score of 16-31.99: Cum Laude-graduating with honors (white cord)
- laude score of 32-49.99: Magna Cum Laude-graduating with great honors (silver cord)
- laude score of 50+: Summa Cum Laude-graduating with highest honors (gold cord)

Agricultural Science	Horticulture (dual credit)	0.5	
	Large Animals & Meat Science	0.5	
	Veterinary Science & Companion Animals	0.5	
	Youth Apprenticeship	0.5	
	Art Studio	0.5	
Art	Art Studio	0.5	
	Business	Advanced Media Applications	0.5
		Advanced Web Design	0.5
		AP Computer Science (online)	1
		Accounting (dual credit)	0.5
Business Operations & Management		0.5	
English	Youth Apprenticeships	0.5	
	Creative Writing	0.5	
	AP English Lit. & Composition	1	
	English 104 Intro to Lit.	1	
FACS	Ap English Language & Comp (online)	1	
	Foods 2	0.5	
	Advanced Baking	0.5	
	Classic Cakes & Cake Decorating	0.5	
Math	Youth Apprenticeships	0.5	
	Advanced Geometry	0.5	
	Advanced Algebra/Trigonometry	0.5	
	Pre-Calculus	0.5	
	AP Calculus AB	1	
	AP Calculus BC	1	
Music	AP Statistics	1	
	Band/Orchestra (Must complete 4 years to be eligible)	2	
	Concert Choir	0.5	
	Independent Music	0.5	

Physical Education Science	Advanced Strength Training (Must take both semesters)	0.5
	Anatomy & Physiology	0.5
	Chemistry	0.5
	Advanced Chemistry	0.5
	Biotech & Forensic Science	0.5
	Physics	0.5
	AP Biology	1
	AP Chemistry	1
	AP Environmental Science	1
	Social Studies	AP US History
AP European History (online)		1
AP Government & Politics		1
Honors Modern US History		0.5
AP Psychology		1
AP Macroeconomics (online)		1
Tech Ed	AP Microeconomics (online)	1
	Engineering 2	0.5
	Construction 2 (dual credit)	0.5
	Metals 2 (dual credit)	0.5
	Woods 2 (dual credit)	0.5
World Language	Youth Apprenticeships	0.5
	French 3	0.5
	French 4	0.5
	French 5 DC	1
	Spanish 3	0.5
	Spanish 4	0.5
	Spanish 5	0.5
AP Spanish Language & Culture	1	
Start College Now & Early College Credit Program		1

COURSE INDEX

* required for graduation

Laude Course

Course Title	Credit	Grade Level	Page Number
<u>AGRICULTURE</u>			
Agriculture Survey/ Intro. to FFA	1	9-10	12
Agri-Science & Food Science/Biotech.	1	10-12	12
Horticulture/Landscaping (dual credit) #	1	11-12	12
Wildlife & Natural Resources Mgmt.	1	10-12	12
Large Animals & Meat Science #	0.5	10-12	13
Vet Science/Companion Animal Science #	0.5	10-12	13
Ag. Business/Farm Management	1	11-12	13
Agriscience Youth Apprenticeship #	1	11-12	13

<u>ART</u>			
Art Foundations	1	9-12	15
Drawing 1	0.5	10-12	15
Drawing 2	0.5	10-12	15
Painting & Printmaking 1	0.5	10-12	15
Painting & Printmaking 2	0.5	10-12	15
Ceramics 1	0.5	10-12	16
Ceramics 2	0.5	10-12	16
Sculpture 1	0.5	10-12	16
Sculpture 2	0.5	10-12	16
Digital Photography	0.5	9-12	17
Adv. Digital Photography	0.5	9-12	17
Art Studio #	1	12	17

<u>BUSINESS AND INFORMATION TECHNOLOGY</u>			
Computer Essentials	0.5	9-12	19
Advanced Media Applications (dual credit) #	1	11-12	19
Web Design	0.5	10-12	19
Advanced Web Design #	0.5	10-12	19
Media Design	0.5	10-12	20
Intro. To Computer Science	0.5	10-12	20
AP Computer Science (online) #	1	11-12	20
Introduction to Business	0.5	9-12	21
Business and Personal Law	0.5	10-12	21
Marketing	0.5	11-12	21
Personal Finance	0.5	11-12	21
Accounting (dual credit) #	1	11-12	22
Business Operations and Management #	1	12	22
Business & IT Youth Apprenticeships #	1	11-12	22

<u>CAREER EDUCATION</u>			
Teacher Aide	0.25	11-12	23
Character Development & Leadership (CD&L)	0.5	9-12	23
Independent Study	0.5	11-12	23

COURSE INDEX

* required for graduation

Laude Course

<u>Course Title</u>	Credit	Grade Level	Page Number
<u>ENGLISH</u>			
English 9*	1	9	25
English 10*	1	10	25
English 11*	1	11	25
Creative Writing/Comparative Lit. #	1	12	25
Novels	1	11-12	25
Communications	1	10-12	25
Fundamentals of Reading & Writing	1	12	26
AP English Literature & Composition #	1	12	26
English 104 Intro. to Lit (dual credit) #	1	12	26
AP English Lang. and Comp. (online) #	1	11-12	26
<u>FAMILY AND CONSUMER SCIENCE</u>			
Foods I	0.5	9-12	27
Foods II #	0.5	10-12	27
World Cuisines Blue	0.5	10-12	27
World Cuisines Gold	0.5	10-12	27
Baking and Pastry Arts	0.5	9-12	28
Advanced Baking and Pastry Arts #	0.5	10-12	28
Classic Cakes & Cake Decorating #	0.5	10-12	28
Hospitality and Tourism 1 (online)	0.5	10-12	29
Hospitality and Tourism 2 (online)	0.5	10-12	29
Hospitality Youth Apprenticeship #	1	11-12	29
Early Childhood Education (online)	0.5	10-12	29
Medical Terminology 1A (online)	0.5	10-12	30
Medical Terminology 1B (online)	0.5	10-12	30
Nursing 1 (online)	0.5	10-12	30
Nursing 2 (online)	0.5	10-12	30
Health Services Youth Apprenticeship #	1	11-12	30
<u>MATHEMATICS</u>			
Stretch Algebra Year 1	1	9	31
Stretch Algebra Year 2	1	10	31
Algebra	1	9	32
Geometry	1	9-12	32
Advanced Geometry #	1	9-10	32
Math Reasoning (dual credit)	1	11-12	32
Algebra 2	1	10-12	32
Advanced Algebra/Trigonometry #	1	9-12	33
Integrated College Math	1	11-12	33
Pre-Calculus #	1	10-12	33
AP Calculus AB #	1	11-12	34
AP Calculus BC #	1	12	34
AP Statistics #	1	11-12	34

COURSE INDEX

* required for graduation

Laude Course

<u>Course Title</u>	Credit	Grade Level	Page Number
<u>MUSIC</u>			
Band #	1	9-12	36
Orchestra #	1	9-12	36
Treble/Bass Choir	1	9-12	36
Concert Choir #	1	11-12	37
Basic/Intermediate Guitar	0.5	9-12	37
Music Technology	0.5	10-12	37
Independent Music #	0.5	11-12	37
<u>PHYSICAL EDUCATION</u>			
PE. 9 & Health Education*	0.5	9	38
PE 10*	0.5	10	38
Lifetime Wellness	0.25	11-12	38
Team/Individual/Competitive Sports	0.25	11-12	39
Strength Training & Conditioning	0.25	10-12	39
Adv. Strength Training and Cond. #	0.25	11-12	39
Sports Officiating	0.5	10-12	39
<u>SCIENCE</u>			
Biology*	1	9-10	41
Integrated Global Science	1	9-10	41
Anatomy & Physiology #	1	11-12	41
Chemistry #	1	10-12	41
Advanced Chemistry #	1	11-12	41
Biotechnology & Forensic Science (dual credit) #	1	11-12	42
Physics #	1	11-12	42
AP Biology #	1	11-12	42
AP Chemistry #	1	11-12	42
AP Environmental Science (online) #	1	11-12	42
<u>SOCIAL SCIENCE</u>			
World History 9*	1	9	44
US History 10*	1	10	44
US History 11*	1	11	44
Current Issues and Politics*	1	11	44
AP United States History #	1	11-12	44
AP European History (online) #	1	11-12	44
AP US Government and Politics #	1	12	45
Honors Modern United States History #	1	12	45
Psychology	0.5	10-12	45
AP Psychology #	1	10-12	45
Sociology	0.5	11-12	45
Archaeology (online)	0.5	11-12	45
World Religions (online)	0.5	10-12	46
Introduction to Law Enforcement (online)	0.5	10-12	46
Criminal Justice (online)	0.5	10-12	46
AP Macroeconomics (online) #	0.5	11-12	46
AP Microeconomics (online) #	0.5	11-12	46
Native American Studies	0.5	10-12	46

COURSE INDEX

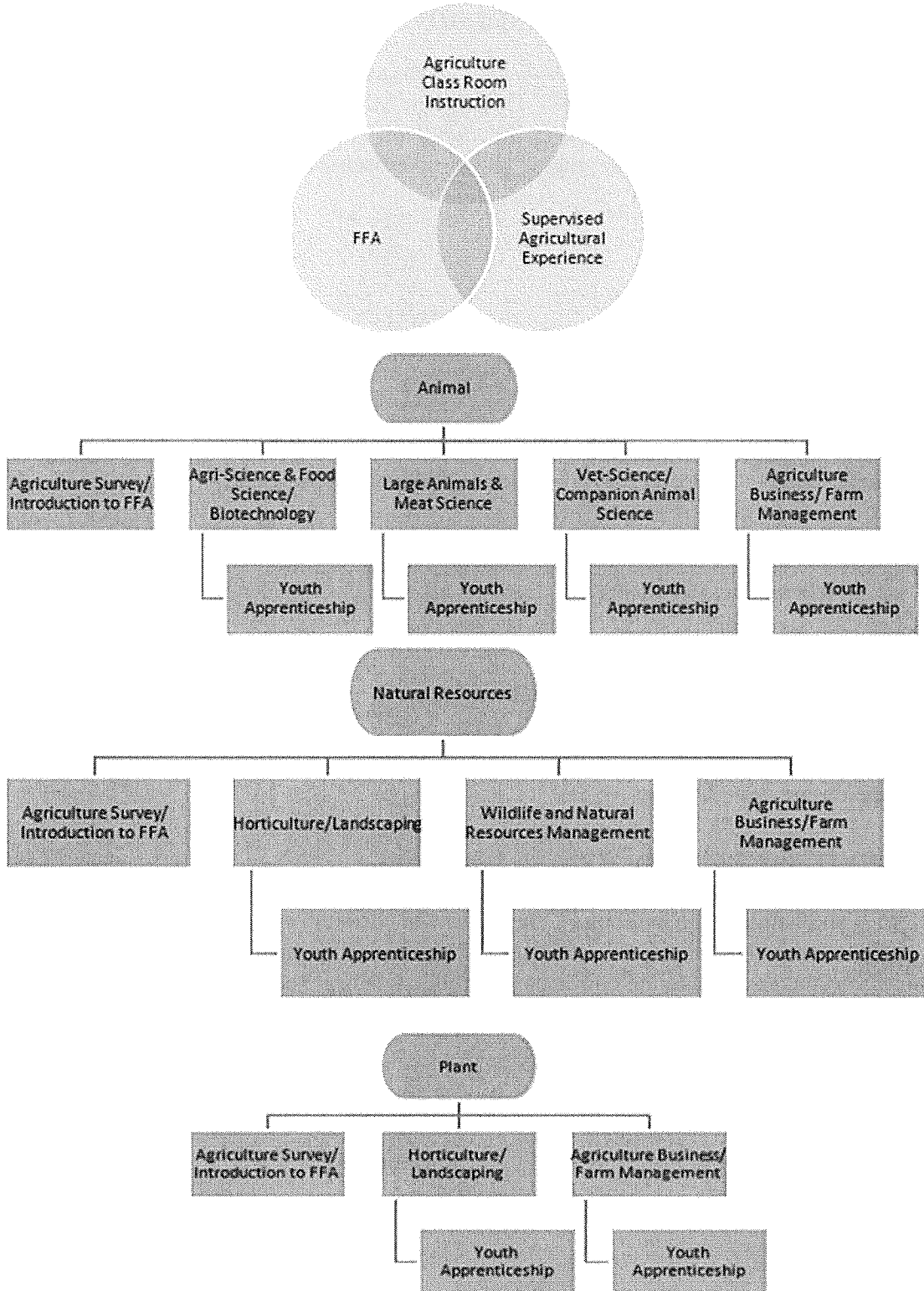
* required for graduation

Laude Course

Course Title	Credit	Grade Level	Page Number
<u>TECHNOLOGY & ENGINEERING EDUCATION</u>			
Intro to Technology & Engineering	0.5	9-12	48
Engineering 1	0.5	9-12	48
Engineering 2 #	0.5	10-12	48
Construction I	0.5	10-12	49
Construction II (dual credit) #	0.5	11-12	49
Youth Apprenticeship (Construction) #	0.5	11-12	49
Metals Manufacturing I	0.5	10-12	50
Metals Manufacturing II (dual credit) #	0.5	11-12	50
Youth Apprenticeship (Manufacturing) #	0.5	11-12	50
Woods Manufacturing I	0.5	10-12	51
Woods Manufacturing II (dual credit) #	0.5	11-12	51
Small Power Equipment	0.5	10-12	51
Youth Apprenticeship (Automotive) #	0.5	11-12	51

<u>WORLD LANGUAGE</u>			
French 1	1	9-12	53
French 2	1	9-12	53
French 3 #	1	10-12	53
French 4 #	1	11-12	53
French 5 (dual credit) #	1	12	53
Spanish 1	1	9-12	54
Spanish 2	1	9-12	54
Spanish 3 #	1	10-12	54
Spanish 4 #	1	11-12	54
Spanish 5 #	1	12	54
AP Spanish Lang. and Culture #	1	12	55
Spanish for Native Speakers	1	10-12	55
German 1 (online)	1	10-12	55
German 2 (online)	1	10-12	55
German 3 (online)	1	11-12	55

Agriculture



AGRICULTURE SURVEY/ INTRODUCTION TO FFA

1 credit

Prerequisite: Grade 9 or 10

The Agriculture Survey/Introduction to FFA course teaches about a broad range of topics in agriculture. Students will be introduced to the many leadership opportunities and experiences that FFA has to offer. Student will also learn about the diversity of agriculture, agricultural products, agricultural career opportunities, the importance of agriculture to Wisconsin's economy, and about a broad range of National Agricultural topics and current events. Students will also participate in FFA career events and leadership development events

AGRI-SCIENCE & FOOD SCIENCE BIOTECHNOLOGY

1 credit

Prerequisite: Grades 10, 11, 12

This course qualifies for an elective science credit after two science credits have been earned.

Do you have an interest in agriculture and science? This course will explore and share how advances in science and technology have influenced the agricultural industry. Students will also have the opportunity to compete in the FFA Agri-Science competition. The following topics will be discussed:

- Food Science
- DNA
- Animal anatomy and physiology
- Genetics
- Animal reproduction and growth
- Biotechnology

HORTICULTURE/LANDSCAPING #

1 credit

Prerequisite: Grades 11, 12, or consent of instructor

This course qualifies for an elective science credit after two science credits have been earned.

This is a dual credit course with Gateway Technical College.

Let's get our hands dirty, grow plants, work in the greenhouse, learn about soil types, annuals, and perennials, floriculture, and review exterior landscape and design for Wisconsin weather. Students will also have the opportunity to compete in FFA career development event competitions and SAE program opportunities. This course will focus on:

- Career opportunities
- Different varieties of plants, bushes, shrubs and trees
- Annuals, perennials, gardening and greenhouses
- Plant anatomy and soils
- Landscape design and planning

WILDLIFE AND NATURAL RESOURCES MANAGEMENT

1 credit

Prerequisite: Grades 11, 12; 10 w/ instructor consent

Do you enjoy wildlife and being in the outdoors? This class will focus on conservation of our forests, soil, water, wildlife, wetlands and all other natural resources. Students will learn about our national park system, Wisconsin's state parks, and environmental concerns and challenges that society is facing today. Students will learn about careers in natural resources and conservation as well as have the opportunity to participate in FFA career development events.

LARGE ANIMALS & MEAT SCIENCE #

.5 credit

Prerequisite: Grades 10, 11, 12

In this course students will learn the basics of animal husbandry and will review the importance of proper feeding/nutrition, breeding, animal health, and facilities management for the dairy, beef, sheep, swine, equine, goats, and exotics industries. Students will also learn dairy, equine, livestock, and meats evaluation skills and compete in FFA career development events and SAE project event activities.

VET SCIENCE/COMPANION ANIMAL SCIENCE #

.5 credit

Prerequisite: Grades 10, 11, 12

Do you have an interest in companion animals and veterinary care? This course is designed to emphasize career areas in animal care and characteristic knowledge of small animals (dogs, cats, rabbits, guinea pigs, chinchillas, birds, fish, amphibians and reptiles). Students will be provided with basic knowledge of small animals, participate in FFA career development events and lab work will include animal care demos, blood and urine labs, disease/illness diagnosis, animal handling and observation. Topics will include:

- Intro. to Small Animal Care, History, Choosing A Pet
- Classifications, Breeds, Feeding & Exercise, Reproduction, Diseases, Ailments
- Animal Issues, Animal Rights vs Welfare
- Careers in Small Animal Science
- Student Project

AGRICULTURE BUSINESS/FARM MANAGEMENT

1 credit

Prerequisite: Grades 11, 12 or consent of instructor

This course will explore the importance of agri-business, as well as career opportunities that relate to agriculture business and farm management. Topics will include types of business structures, the importance of cooperatives in agriculture, starting and establishing a business, preparing a business plan, hiring and managing employees, agriculture marketing and sales, agriculture commodities, and agricultural law and insurance. Students will also prepare for and participate in FFA career development event competitions in the area of Ag Sales, Market Plan, and Farm Business Management.

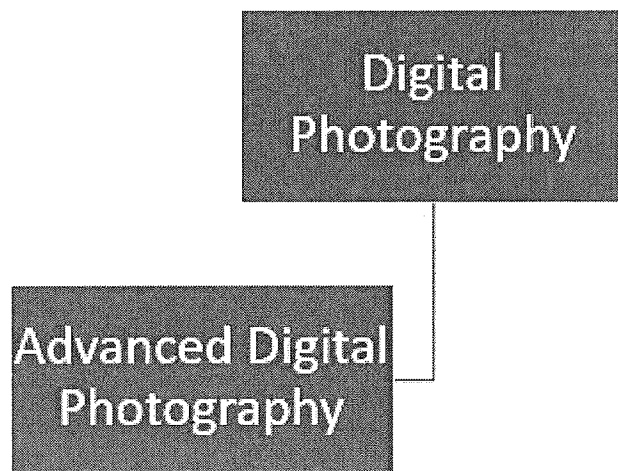
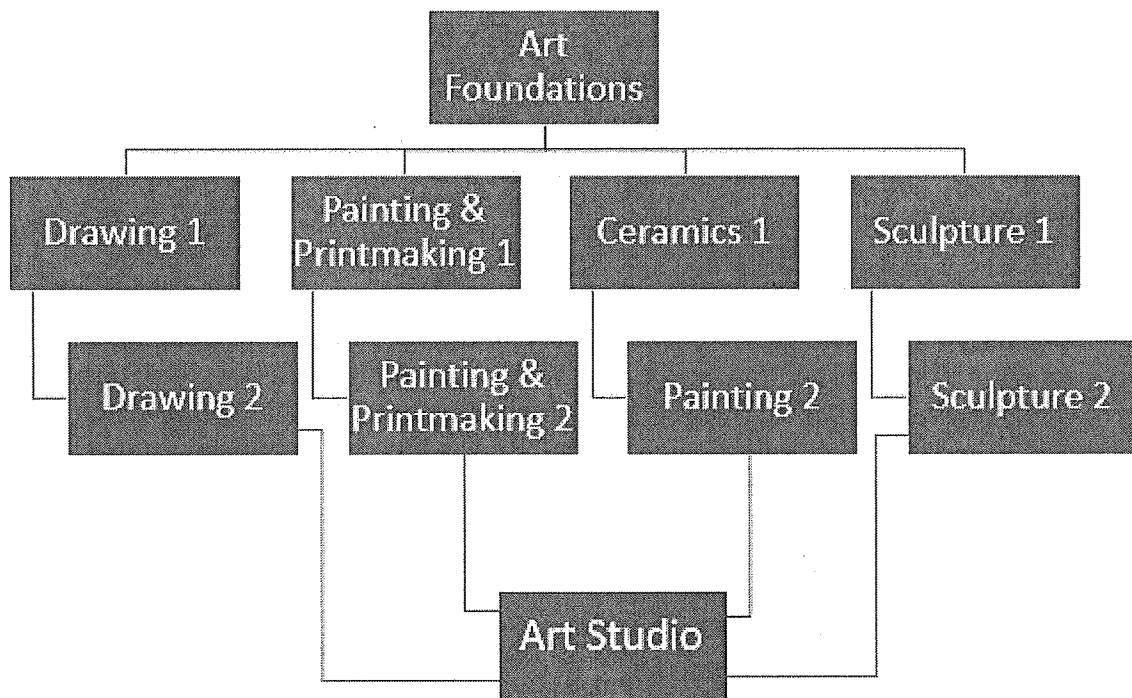
AGRISCIENCE YOUTH APPRENTICESHIP #

1 credit

Prerequisite 11, 12, and currently enrolled in an agriculture course

This course will enable students to gain valuable work experience specializing in Agriscience. Students will attain on-the-job training at a local business related to agriculture. There is a written agreement to ensure a variety of learning experiences occur. Students must complete 450 hours of paid work experience for the one-year program and 900 hours for the two-year program. **New for the 2025-2026 School Year: Any students interested in participating in the YA program will need to fill out an application and go through an interview process. Please contact Mrs. Weldon for more information.**

Art



ART FOUNDATIONS

.5 credit

1 credit Prerequisite: Grade 9, 10, 11, 12

This course will expose students to the fundamental knowledge and experiences necessary for success in additional art classes. First semester will encourage students to develop skills in observational drawing and express their individual talents by completing a variety of unique and challenging projects in the multitude of 2-D media. Assignments emphasize design, craftsmanship, and problem solving. Units explore the fundamentals in working with such media as graphite pencils, charcoal, pen/ink, colored pencils, paint, and mixed media. Second semester, students will have the opportunity to discover working with a variety of techniques and materials to create 3-D works of art. Assignments will emphasize design, craftsmanship and problem solving while exploring the fundamentals needed when working with a variety of materials.

DRAWING 1

.5 credit

Prerequisite: Art Foundations

Students will use drawing to express themselves. Drawing is the basic language that an artist uses in order to create any work of art whether it be painting or making jewelry. This class teaches the student how to accurately see and record objects as seen from real life. Basic value and shading techniques are taught through a variety of media such as graphite and pastels.

DRAWING 2

.5 credit

Prerequisite: Drawing 1

Students will explore more complex drawing problems as they advance their drawing skills with an emphasis on figure drawing. Students will use higher levels of detail to create more sophisticated artwork, while further developing skills in 2-D design and techniques with media such as colored pencils, marker, pen/ink, charcoal, etc.

PAINTING & PRINTMAKING 1

.5 credit

Prerequisite: Art Foundations

This course will expose students to the basics of painting and printmaking with acrylic, watercolor, and ink. Students will learn a variety of techniques and subject matters (landscape, portrait, figure, abstractions, etc.) We will cover the fundamentals of composition, color theory, form, tone, and blending colors. Group critiques will touch upon concepts crucial to the creative process.

PAINTING & PRINTMAKING 2

.5 credit

Prerequisite: Painting & Printmaking 1

Students will create advanced paintings and prints that demonstrate a sense of purpose and understanding of the relationship among materials, techniques, and concepts. Students will engage in on-going assessment to revise and improve their paintings.

CERAMICS 1

.5 credit

Prerequisite: Art Foundations

This course is designed for students who are interested in constructing with clay. During the first nine weeks the students will concentrate on the basics of forming clay on and off of the potter's wheel. The second nine weeks the students will focus on creatively applying the knowledge gained during the first nine weeks. Students will select a design from their sketches and build the clay form in a chosen construction technique. Students will express themselves in each project through the use of good proportion, surface decoration and craftsmanship. Sketches and quizzes are part of the semester grades.

CERAMICS 2

.5 credit

Prerequisite: Ceramics 1

Ceramics 2 is designed for students who have already successfully completed Ceramics 1 and are looking to further enhance and develop their creative and intellectual skills. Students will be asked to formulate a central concentration on them that will act as a catalyst for the creation of a unified body of artwork. Students will be asked to complete sketchbook assignments, research historically significant artists and write reflectively about their creative process.

SCULPTURE 1

.5 credit

Prerequisite: Art Foundations

Sculpture class is designed for the student that loves to create with his/her hands. Students will explore the different mediums available to create 3-dimensional artwork. Paper Mache, plaster, cardboard, recycled items, foam board, and other mediums will be used. Students will be expected to research famous sculptors. Most work will be done independently, but small groups will occasionally create large pieces.

SCULPTURE 2

.5 credit

Prerequisite: Sculpture 1

This course will be a continuation of Sculpture 1 as students further explore the development of three dimensional forms. Students will formulate a plan for developing a concentration of pieces that explore a unified body of work. Students will develop a plan through research and sketches and work with the instructor to finalize a goal.

DIGITAL PHOTOGRAPHY 1

.5 credit

Prerequisite: Grades 9, 10, 11, 12

This course explores the functions of the digital single lens (DSLR) camera. Students will understand the specific setting of aperture, shutter speed and ISO to produce properly exposed images, as well as understanding of composition, depth of field, lighting, and other techniques for producing high quality photographs. Students will also learn Photoshop skills to edit photos and produce better quality images.

DIGITAL PHOTOGRAPHY 2

.5 credit

Prerequisite: Digital Photography

This course further explores the use of digital photography and students will continue more in-depth concepts of photography and Photoshop. Students will work with combining multiple images into one photo, creating layouts for magazines, product advertisement, and other digital production.

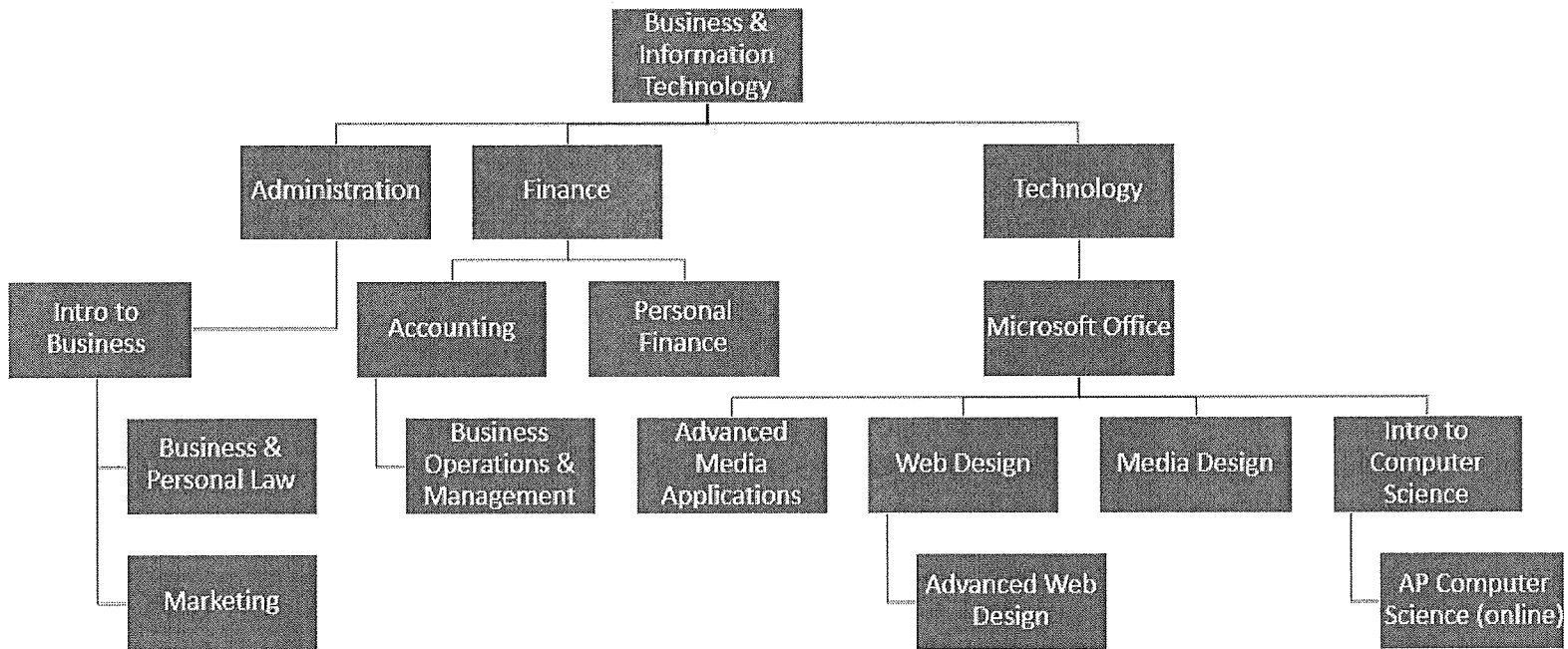
ART STUDIO #

.5 credit

Prerequisite: Senior with 3 credits of previous art classes, correlating to their content focus, and completion of instructor approval process (complete form and conference with instructor needs to be completed before enrollment)

This course is for SENIOR art students who are interested in continuing his/her art career and further developing their art skills through a more independent means. Students will be required to submit progress reports, complete art history research & analysis, participate in verbal critiques with the instructor or class, and produce 3-4 quality pieces of art each semester. Students will also be expected to compete in art shows.

Business & Information Technology



COMPUTER ESSENTIALS

.5 credit

Prerequisites: Grades 9, 10, 11, 12

This is a dual credit course with Madison College. (Word, Excel, Powerpoint)

A recommended course for all students and a prerequisite for further technology courses.

Learn skills necessary to function in the age of technology. You must be able to effectively use technology to research, organize, create, and evaluate information both for personal and business use. You will gain further knowledge and proficiency for digital file management and become certified in Microsoft Office

Programs: Word – Business and Personal Documents; Excel – Spreadsheets (the #1 software colleges and the workforce want you to know!); Powerpoint- Presentations. Microsoft Office is still the main software used by businesses and colleges. Keyboarding skills will also be enhanced.

ADVANCED MEDIA APPLICATIONS

1 credit



Prerequisites: Grades 11, 12; and “A” or “B” grade in Media Design OR approval from teacher

This is a unique course with special requirements and expectations and is approved on a case-by-case basis. See Mrs. Garro for details. [This is a dual credit course with Madison College. \(Access\)](#)

This course provides an advanced level of Adobe Suite (Illustrator, Photoshop, PremierPRO, and InDesign) to create a professional media design portfolio with a variety of real-world and community-based projects.

Students will also collaborate with teams and organizations encompassing athletics, clubs, and local businesses to provide promotional and informative material for the school. AMA will work alongside The Paw/Business Operation students who will incorporate hands-on projects with other clubs and activities around the high school to communicate and improve the atmosphere for students ... If you are creative, a hard worker, and a natural born leader, this class is for you!

WEB DESIGN

.5 credit

Prerequisites: 10, 11, 12

Learn the history behind the web and how the web actually works. Learn the do's and don'ts of web page design by evaluating existing web pages and learning web design principles. You will be introduced to web design languages including HTML and CSS. Using Wix and Carrd software, you will develop real-world design scenarios and hands-on projects, learning how to create compelling, usable websites. This course is offered in the first semester only.

ADVANCED WEB DESIGN

.5 credit

Prerequisite: Grades 10, 11, 12 and Web Design

This course enhances the more advanced features of Adobe Dreamweaver, Notepad++ and introduces multimedia elements. You will continue to expand on HTML and CSS web languages already learned in Web Design. You will also learn new languages such as JavaScript, jQuery, PHP and SQL. You will create professional, up-to-date websites that are pleasing to the eye and easy to navigate and can be used on all devices from a desktop PC to smartphones. These professional web pages you create will showcase your work. As a culminating project, you will create a client website for a business. This course is offered second semester only.

MEDIA DESIGN

.5 credit

Prerequisite: Grades 10, 11, 12 (formerly Graphic Design)

This course is for those who want an introduction to graphic design and film. You will learn the basics of composition, color and layout through the use of hands-on projects that allow you to use your creativity while developing important foundational skills. The Adobe Suite (Illustrator, Photoshop, PremierPRO, and InDesign) are used to create a media design portfolio with a variety of projects. Examples of graphics that will be created include, but are not limited to, logos, infographics, posters, illustrations, portraits, commercials, video announcements, etc. These projects will help you develop the skills you need to create and edit images and videos for professional and personal use.

INTRODUCTION TO COMPUTER SCIENCE

.5 credit

Prerequisite: Grades 10, 11, 12

A recommended course for anyone exploring the Information Technology field of careers.

In this introduction to computer science course, we investigate cybersecurity careers and learn how to decode the three common types of ciphers and apply this to real-world activity. We then learn about the evolving world of AI, coding, and the latest tech trends. This course promises to be engaging and challenging.

AP COMPUTER SCIENCE (JAVA) (online) #

1 credit

Prerequisite: Grades 11, 12; Intro. To Computer Science

AP Computer Science teaches object-oriented programming using Java language and is meant to be the equivalent of a first semester college level course in computer science. It will emphasize problem solving and algorithm development and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. The course teaches fundamental programming topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and ethical and social implications of computing. Additional hours beyond classroom time are required in order to keep pace with the courses and to prepare students for the end-of-course AP exam.

INTRODUCTION TO BUSINESS

.5 credit

Prerequisites: Grades 9, 10

A recommended course for all students that will focus on the skills needed to succeed in any career. You will be introduced to the world of work with a broad range of topics – some of which include entrepreneurship (owning your own business), human resources, accounting, production & logistics, and marketing functions. Instruction will emphasize soft skills for employability, such as leadership, creativity, teamwork, communication, flexibility and overall work ethics. This course will get you ready for a career and learn basic business concepts.

BUSINESS AND PERSONAL LAW

.5 credit

Prerequisite: Grades 10, 11, 12

A recommended course for students to be prepared as a consumer and/or for a student interested in learning about individual rights, responsibilities and the law!

Laws are a part of everyday life. In this course, you will learn your legal rights and responsibilities through film, articles and everyday life. You will learn about the history of laws and how they relate to business, personal life, and society. We will cover the basics of law and how the justice system was formed. Focal points in the class include: criminal law, civil law, tort law, and contracts. In addition, you will learn more about the many law-related careers, visit a courtroom and participate in a mock trial with a “jury” as if you were on the set of Judge Judy.

MARKETING IN THE 21ST CENTURY

.5 credit

Prerequisite: Grades 11, 12

A recommended course for students pursuing business in college and/or just want to try something exciting and different!

This course provides an overview of the exciting world of marketing as an important part of business. Today’s consumers are different than ever before. Social media and digital marketing are examined, as well as product design, pricing, promotion, distribution, advertising, sales, slogans and logos. A look at specific industries, such as fashion, sports and international marketing, is included. We will work with local businesses to create a real-life marketing plan to learn hands on while learning about various marketing careers and education tracks. Marketing is a core course for many college majors – see what it’s all about and take it now! This course is offered second semester only.

PERSONAL FINANCE

.5 credit

Prerequisite: Grades 11, 12 (recommended for all seniors)

This course is a must for all!

What is your vision for your future and how will you get there? This course focuses on overall personal money management. You will learn about budgeting, financial goal setting, saving, investing, insurance, credit/credit scores/credit cards, and financial intuitions. This course is designed to help you prepare financially for your role as a citizen/worker. This course includes a variety of projects and assessments that allow you to gain real-life application to help you in your financial future! If you want to learn how to manage your money, obtain wealth, and learn how to invest, this course is for you!

ACCOUNTING



This is a dual credit course with Madison College.

Prerequisites: Grades 11, 12

An absolute must class for students planning on pursuing business in college.

You will learn the practical application of accounting, a system of recording financial transactions of a business known as the “language of business.” Emphasis will be placed on students understanding the “why” behind accounting transactions and how a business is affected, in addition to interpreting and analyzing financial statements. Accountants are in high demand and many rewarding career opportunities are possible. Accounting is a required course for all business students in college and studies show that students who take accounting in high school are more successful at the college level

Upon successful completion of this course with a C or better, you will earn four credits at Madison College. Credits are also transferable at some public and private universities.

BUSINESS OPERATIONS AND MANAGEMENT

1 credit

Prerequisite: Grade 12 and “A” or “B” grade in Accounting OR approval from teacher.

This is a unique course with special requirements and expectations and is approved on a case-by-case basis. See Mr. Hacker for details.

In this course students will learn the necessary operations of running a business such as Accounting, Marketing, Finances, Social Media Management and more. Students will be in charge of running the school store (The Paw) and learn about managing a business while enhancing the store along the way. Students will also work with the athletic department and local businesses to provide promotional and informative material for the school. Business Operation students will work alongside AMA students to incorporate hands-on projects with other clubs and activities around the high school to communicate and improve the atmosphere for students ... If you're willing to learn how to operate a business, work hard and be a leader, this class is for you!

BUSINESS YOUTH APPRENTICESHIP (Finance or Technology)

1 credit

Prerequisite: Grades 11,12 and currently enrolled in related business education course

This “course” will enable students to gain valuable work experience specializing in either Finance, Marketing or IT. Students will attain on-the-job training at a local business. This experience will produce competencies that include the knowledge, attitudes, work habits and skills demanded in the workplace. There is a written agreement between the school, employer, parent/guardian and student to assure a variety of learning experiences for the student. Students are required to work an average minimum of 10 hours per week.

Additional hours may be worked. Students earn school credit in addition to being paid at least minimum wage. Regular supervision will be provided by the Business and Information Technology Instructor. **New for the 2025-2026 School Year: Any students interested in participating in the YA program will need to fill out an application and go through an interview process. Please contact Mrs. Weldon for more information.**

Career Education

TEACHER AIDE

.25 credit

Available for: Grades 11, 12

Teacher aides are students who work in the school office or with a classroom teacher. They may work with individuals, small groups, or assist the teacher as necessary. An application is required, which is available in the counseling office. When the semester begins, a contract is established with the student and teacher that outlines objectives, activities, and evaluation procedures.

CHARACTER DEVELOPMENT AND LEADERSHIP (CD & L)

.5 credit

Available for: Grades 9-12

This course is sweeping the country! The curriculum is designed to improve the character and leadership traits of our students. The goal of the course is to prepare students for success in all facets of their lives. The format includes ethical dilemmas, popular movies highlighting character traits, leadership principles, on-line blog posts, role model textbook readings, basic skills, quote exercises, and expository writing assignments.

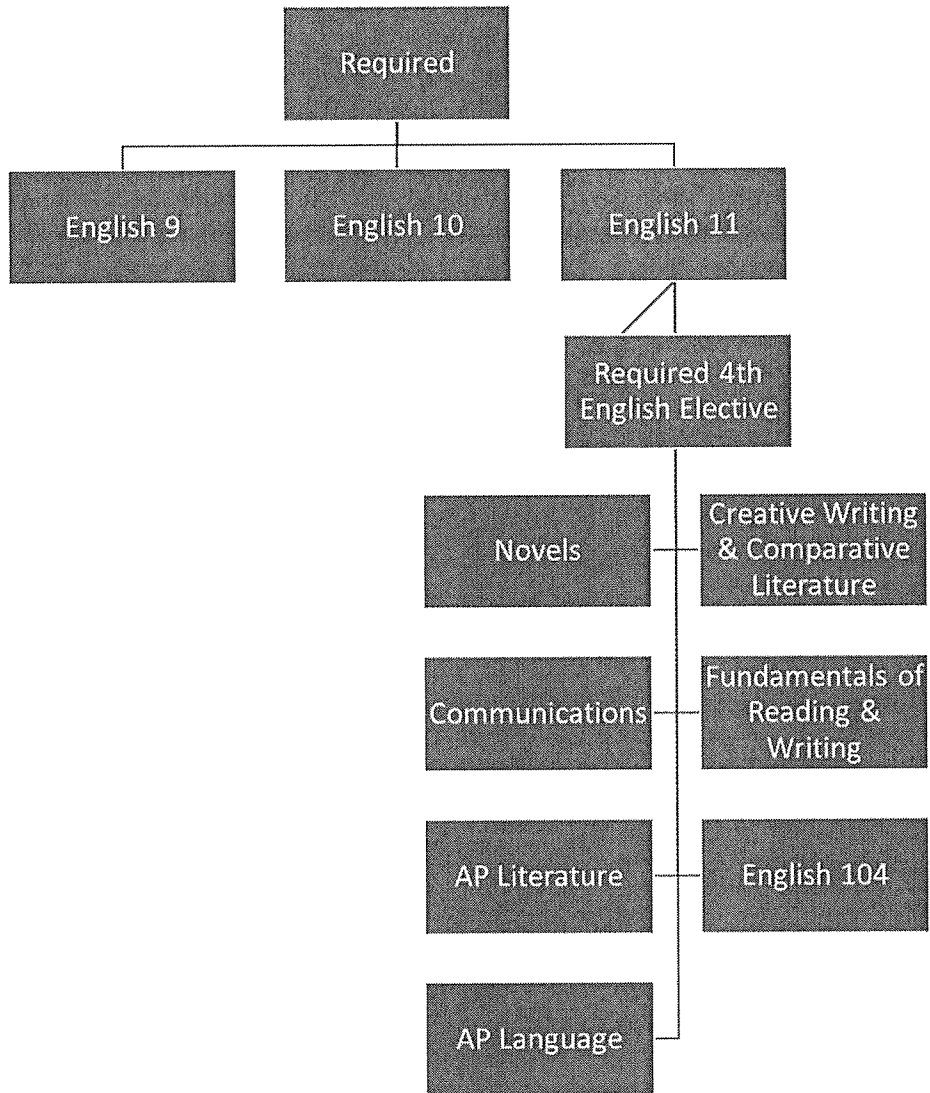
INDEPENDENT STUDY

.5 credit

Available for grades 11 & 12 and consent of instructor

The role of an independent study is to provide an opportunity for students to pursue a study or research program within a department when a course or path is not offered. A student first finds an advisor in a department from which they wish to earn credit. After securing an application from the counseling office, the student meets with their advisor to work out a mutual agreement on objectives, activities, and evaluation procedures in the form of a contract.

English



ENGLISH 9-Required**1 credit**

Grade 9

This course provides an introductory background in the study and enjoyment of literature. English 9 students work towards a global focus through literature and research. Grammar, usage and vocabulary are included. Complementary units integrated throughout the year stress the writing process and use of LMC resources.

ENGLISH 10-Required**1 credit**

Grade 10

English 10 stresses literature through the study of British literature - primarily short stories, poetry, essays, plays, and novels. The improvement of writing is emphasized. Grammar and usage are reviewed and applied in assignments using the writing process. English 10 students will also create a resume.

ENGLISH 11-Required**1 credit**

Grade 11

English 11 is a study of American literature and American authors with the aim of understanding how history has influenced authors and their works and how history and these works are still relevant to lives today. Students will also gain a better understanding of their national heritage and modern themes through the study of this literature. Frequent compositions and presentations are composed as a means to review grammar and usage and to further develop analysis, writing, and interpersonal skills. A major research paper is written on a topic of the student's choice in relation to their career interests and is used to create and present an interactive presentation open to the local public.

CREATIVE WRITING AND COMPARATIVE LITERATURE #**1 credit**

Available for: Grade 12

In this class students will have the opportunity to explore creative writing in a variety of formats using various techniques. Students will read and analyze short stories, novels, poetry, and drama. They will compose original written pieces often inspired by class reading. Writing instruction will focus on improving and strengthening grammar, usage and mechanics, and literary analysis. An emphasis is placed on college prep writing and writing for real audiences.

NOVELS**1 credit**

Available for: Grades 11 and 12

Students read and discuss novels. Topics discussed may be questions of interpretation, critical analysis or social issues evolving from the content of the novel. Sophistication of already functional discussion skills is also emphasized.

COMMUNICATIONS**1 credit**

Available for: Grades 10, 11, & 12

Communicating with oneself, with another, within groups, before groups is the scope of this class. All aspects of communication, from non-verbal to written speech are covered. Students will gain stage presence and self-knowledge about their styles of communication.

FUNDAMENTALS OF READING AND WRITING

1 credit

Available for: Grade 12

This course focuses on enhancing fundamental reading and writing techniques and offers students extended practice in applying these strategies to a variety of college level materials. Emphasis will be given to developing the critical thinking and reading skills necessary to be successful in post-secondary English classes. This course also strengthens basic principles of composition, including organization, development, unity, and coherence in paragraphs and multi-paragraph documents.

AP ENGLISH LITERATURE & COMPOSITION #

1 credit

Available for: Grade 12; (Grade 11 requires instructor approval)

This course is the equivalent of a first-semester university English class. Students will develop their ability to read, analyze, and write about world literature (fiction, drama, and poetry) through the use of university-level materials and assessments. The analytical writing skills developed in this course serve as the foundation for university-level writing in a variety of situations and subject areas. Students can choose to take the AP exam in May, for which they may be able to earn university credit. Students can expect 3-5 hours of homework per week, including reading literary texts, drafting and revising essays, and test preparation activities.

ENGLISH 104 INTRO. TO LITERATURE #

1 credit

Available for: Grade 12, (Grade 11 requires instructor approval)

This is a dual credit course with UW Green Bay. Tuition will be charged.

The content of this course is the same as AP Literature; however, students will earn university credit at a reduced tuition through the College Credit in High School (CCIHS) program through UW Green Bay. This credit transfers to many other universities, especially UW System schools.

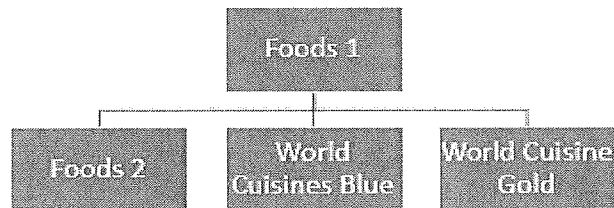
AP ENGLISH LANGUAGE AND COMPOSITION (online) #

1 credit

Available for: Grade 12; (Grade 11 requires instructor approval) at least a B- grade in most recent English course

This college-level course is designed to provide the in-depth reading and writing skills that students need for college success. Critical and responsive reading skills are cultivated and developed using diverse fiction and nonfiction texts. Writing activities support and deepen students' understanding and control of formal conventions of written language, while broadening their understanding of how language is used rhetorically in formal and informal texts. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP English Language and Composition Exam

Family & Consumer Science



FOODS I

.5 credit

Prerequisite: Grades 9, 10, 11, 12

Through hands-on experiences, students will learn the fundamental food preparations techniques of vegetables, pasta, grains, dairy, eggs, poultry, meat, fish, and shellfish.

Cost: There is a fee associated with the course. Please reach out to your school counselor with questions or concerns

FOODS II #

.5 credit

Prerequisite: Grade: 10, 11, 12; Foods I

Utilizing knowledge and skills gained in Foods I, we will be exploring advanced food preparation skills as well as planning and preparing complete meals and dishes. Additional topics in this course will be relating to running a food service business including food costing, food shopping and recipe scaling. Studying content knowledge outside the classroom is expected to be successful.

Cost: There is a fee associated with the course. Please reach out to your school counselor with questions or concerns.

WORLD CUISINES GOLD

.5 credit

Prerequisite : Grades 10, 11, 12, and Foods I

Cultural cooking is explored through a study of regional foods in the United States and foods from around the world including: Regions of the USA, South America, Europe, Asia, Middle East, and Africa. Students are also introduced to the many factors that influence food choices. Studying content knowledge outside the classroom is expected to be successful.

Cost: There is a fee associated with the course. Please reach out to your school counselor with questions or concerns

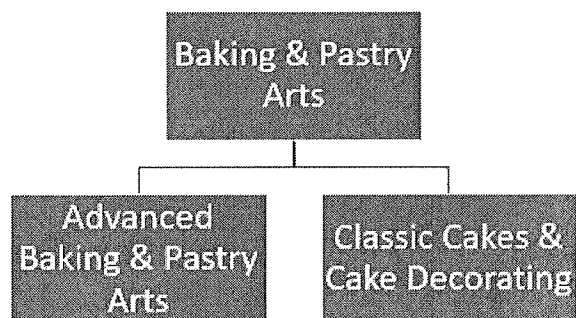
WORLD CUISINES BLUE

.5 credit

Prerequisite : Grades 10, 11, 12, and Foods I

This course furthers the content of the World Cuisines class already in the coursebook. The world is vast and diverse. This course is needed to allow the students further opportunities to experience global food and culture. Regions of South America, Europe, Asia, Middle East and Africa are explored. The influences of globalization on food products and culture will be discussed. This course will be offered on an every other year rotation.

Cost: There is a fee associated with the course. Please reach out to your school counselor with questions or concerns



BAKING AND PASTRY ARTS

.5 credit

Prerequisite: Grades 9, 10, 11, 12

This course will allow students to acquire the skills necessary to become an experienced baker. Students will learn food science principles while preparing the following categories of baked goods:

Quick breads, yeast breads, cookies, cakes, pies, specialty desserts and candy. Studying content knowledge outside the classroom is expected to be successful.

Cost: There is a fee associated with the course. Please reach out to your school counselor with questions or concerns.

ADVANCED BAKING AND PASTRY ARTS #

.5 credit

Prerequisite: Grades: 10, 11, 12; Baking and Pastry Arts

Utilizing knowledge and skills gained in Baking and Pastry Arts, we will be exploring advanced baking and pastry skills as well as planning and preparing desserts. Additional topics in this course will be relating to food costing, food shopping and recipe scaling. Studying content knowledge outside the classroom is expected to be successful.

Cost: There is a fee associated with the course. Please reach out to your school counselor with questions or concerns.

CLASSIC CAKES AND CAKE DECORATING #

.5 credit

Prerequisite Grades 10, 11, 12; Baking and Pastry Arts

Advanced principles of baking, assembly, piping, and decorating of cakes. Hands on experiences including single layer and tiered cakes, utilizing advanced techniques including different styles of buttercream, rolled fondant, royal icing piped decorations. This course will be offered on an every other year rotation.

Cost: There is a fee associated with the course. Please reach out to your school counselor with questions or concerns

HOSPITALITY & TOURISM 1 (online)

.5 credit

Prerequisite: Grades 10, 11, 12

This introductory course provides an overview of the structure and scope of the travel/tourism and hospitality industries. Part I of this two-part course series specifically examines the hotel and restaurant industries: food and beverage operations, the functions and departments of a hotel, catering, career options, and trends in the industry. Other topics include the history, political, social and cultural impacts tourism has on local, state and global environments. Students are introduced to the basic skills and practices required for a successful career in the hospitality and tourism industry.

HOSPITALITY & TOURISM 2 (online)

.5 credit

Prerequisite: Hospitality & Tourism I

This introductory course provides an overview of the structure and scope of the travel/tourism and hospitality industries. Part II of this course series specifically examines the tourism, recreation, and events industries: tourism, recreation, attractions, special events, conventions, and expositions, as well as gaming entertainment. Other topics include the history of travel, airlines and airports, leisure, wellness, event planning, and theme parks. In this course, students are introduced to basic managerial skills as well as other roles available to a professional in the hospitality and tourism industry.

HOSPITALITY YOUTH APPRENTICESHIP #

.5 credit

Prerequisite: Grades 11, 12, and currently enrolled in a hospitality course

This course will enable students to gain valuable work experience specializing in Hospitality. Students will attain on-the-job training at food services related industries. There is a written agreement to ensure a variety of learning experiences occur. Students must complete 450 hours of paid work experience for the one-year program and 900 hours for the two-year program. **New for the 2025-2026 School Year: Any students interested in participating in the YA program will need to fill out an application and go through an interview process. Please contact Mrs. Weldon for more information.**

EARLY CHILDHOOD EDUCATION (online)

.5 credit

Grade 10-12

This course focuses on careers within early childhood education. As a prospective early childhood professional, students will develop an understanding of and the ability to respond to the current issues and changes in early childhood education. Students will learn how to implement early childhood programs, observe and assess young children, how to implement technology into early childhood education, the development of the young child, how to guide children's behavior, and how to build partnerships with parents, families, and communities to ensure student success.

MEDICAL TERMINOLOGY 1A: INTRODUCTION (online)**.5 credit**

Prerequisite: None Grade 10-12

Students interested in the life sciences, specifically human anatomy, will greatly benefit from taking this course. Topics covered include: basic word structure, the integumentary system, the skeletal and muscular systems, and the nervous system. Overall, Medical Terminology I gives students the foundation they need to confidently speak within the medical field.

MEDICAL TERMINOLOGY: 1B: DISCOVERING WORD FOUNDATIONS (online)**.5 credit**

Prerequisite: Medical Terminology 1A Grades 10-12

At this level, students continue to build on their knowledge from Medical Terminology I. Within this course students will briefly review basic word structure, and then apply their prior knowledge to topics such as the cardiovascular system, the lymphatic and immune systems, reproductive systems, and the endocrine system. Upon completing this course, students will be able to confidently and accurately speak within the medical field.

NURSING 1 (online)**.5 credit**

Grade 10-12

Students with a strong background in the life sciences and a passion about learning more about the field of nursing will thrive within this course. Nursing I is designed to introduce students to the professional field of nursing by exploring topics such as Nursing Theory, Values, Ethics, and Advocacy, and The Health Care Delivery System.

NURSING 2 (online)**.5 credit**

Prerequisite: Nursing 1 Grade 10-12

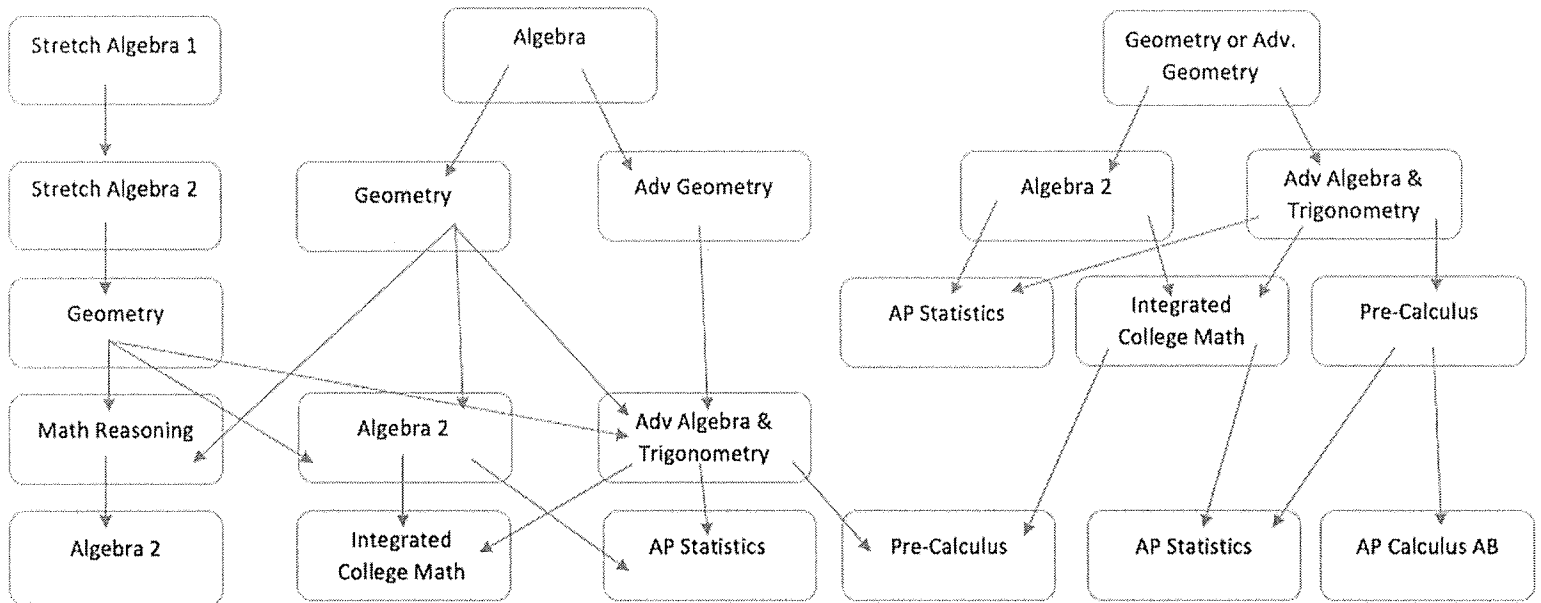
Students who have successfully taken and passed the Nursing I course will have the opportunity to further explore the professional field of nursing within the Nursing II course. The beginning of this course includes a brief review of the textbook chapters covered in Nursing I followed by new content. New topics include Assessing, Diagnosing, Implementing, Documenting, Reporting, Conferring, and Using Informatics.

HEALTH SERVICES YOUTH APPRENTICESHIP #**.5 credit**

Prerequisite: Grades 11, 12, potential completion of CNA course, and currently enrolled in related health service course

This course will enable students to gain valuable work experience specializing in Health Services. Students will attain on-the-job training at any health care institution. There is a written agreement to ensure a variety of learning experiences occur. Students must complete 450 hours of paid work experience for the one-year program and 900 hours for the two-year program. **New for the 2025-2026 School Year: Any students interested in participating in the YA program will need to fill out an application and go through an interview process. Please contact Mrs. Weldon for more information.**

Mathematics



STRETCH ALGEBRA YEAR 1 (1st year of two- year course)

1 credit

Prerequisite: Grade 9 AND consent of 8th grade math teacher

This is year one of a two-year course designed for students who need more time to cover Algebraic concepts in an in-depth and slowed down manner. We will begin the course relearning the basic arithmetic properties that were confusing in middle school so that connections can be made between elementary arithmetic and the abstract concepts of Algebra. Algebraic topics to be covered in year one include the language and properties of Algebra, operations involving integers, solving algebraic equations, problem solving, basic statistics, functions and linear equations. After successful completion of Algebra 1, students will advance to year 2 of Stretch Algebra to complete the state requirement for Algebra.

STRETCH ALGEBRA YEAR 2 (2nd year of two-year course)

1 credit

Prerequisite: Stretch Algebra Year 1

This is the second year of a two- year course designed for students who need more time to cover Algebraic concepts in an in-depth and slowed down manner. We will begin the year by doing a quick review of concepts covered in Stretch Algebra Year 1 and the cover the topics of powers and roots, polynomials, factoring, quadratic equations, inequalities, systems of linear equations and inequalities, and radical expressions and equations. After successful completion of BOTH years of this course, students will have met their state Algebra requirement. A scientific calculator will be used throughout the year. The TI-30Xa or equivalent is the recommended calculator for this course as it will be used all four years of high school math and science.

ALGEBRA

1 credit

Prerequisite: Grade 9

Algebra is an entry level math course for those incoming freshmen who are placed by the middle school math department. Included in this curriculum is the study of number systems, properties, equations, inequalities, functions, exponents, factoring, slopes, graphing, square roots, quadratics, problem solving, and basic statistics. Algebra is the beginning of a four-year sequence of college prep math. Students will be introduced to basic concepts of probability and statistical analysis. A scientific calculator is strongly encouraged for any student taking Algebra. The TI-30Xa, or equivalent, is the recommended calculator for this course. This calculator will be used for all four years of high school math and science.

GEOMETRY

1 credit

Prerequisite: Algebra or Stretch Algebra Year 2

This course introduces students to the inductive and deductive reasoning necessary to prove relationships in one-, two-, and three-dimensional geometric figures (such as segments, angles, triangles, polygons, circles, and polyhedra). Students will explore these relationships through constructions and transformations both by hand and using technology, use their algebra skills to solve problems and justify relationships, and then apply their findings to situations involving area, volume, and trigonometry to solve real world problems. Students will also apply theorems involving congruence and similarity. A scientific calculator is required for this course.

ADVANCED GEOMETRY #

1 credit

Prerequisites: Algebra AND consent of Algebra teacher

Advanced Geometry covers the same content as Geometry but at a higher level. Students will explore the ideas of Advanced Geometry in depth by making and justifying conjectures, and critiquing and revising the thinking of others. Students will discover relationships using inductive reasoning and then prove them with deductive arguments. Dynamic Geometry software will be used on a regular basis to discover, prove, and disprove ideas. Students will be challenged to apply the ideas they discover to solve real world problems. A scientific calculator is required for this course.

MATH REASONING

1 credit

Prerequisite: Grade 11 or 12 and completion of Geometry

This is a dual credit course with Madison College.

All college students, regardless of their college major, need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning skills. A collaborative, activity-based approach is used in this course to explore numerical relationships, perhaps, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. This class is for students interested in going to Madison College (MATC) or other technical college.

ALGEBRA 2

1 credit

Prerequisite: Geometry or Advanced Geometry

The first half of this course is designed to review the fundamental algebraic processes first explored in Algebra. These processes will be further developed and explored. The second half of this course consists of the in-depth study of functions, quadratic relations and their graphs, exponential functions; basic geometric trigonometry will also be reviewed in preparation for students planning to take the ACT. The use of scientific calculators will be required. The TI-30Xa, or equivalent, is the recommended calculator for this course.

ADVANCED ALGEBRA /TRIGONOMETRY #**1 credit**

Prerequisite: Geometry or Advanced Geometry and teacher recommendation

The first half of this course is designed to review the fundamental algebraic processes first explored in Algebra with the intent to extend and advance the applications of these skills in real-world contexts and in applications. The second half of the course consists of the study of polynomial, rational and exponential functions as well as analysis of their graphs. Students will be introduced to logarithms, and trigonometry, and complete the course with the skills to be successful in higher math courses. Scientific calculators are sufficient for this course (recommended: TI-30Xa, or a similar calculator). However, if a student is planning to continue on to a higher-level math course such as Statistics or Calculus, they may choose to instead purchase a graphic calculator (recommended: TI-83 and/or TI-84). We will learn how to use these graphing calculators in this course, and all students will have access to one during the units in which they'll be used.

INTEGRATED COLLEGE MATH**1 credit**

Prerequisite: Algebra 2 AND consent of Algebra 2 teacher

Through activities, investigations and the use of technology, students develop a conceptual understanding of linear, exponential, quadratic, trigonometric and logarithmic functions. Students learn how to transform all families of functions, and series and explore elementary college statistics. A graphing calculator (the TI-83 or TI-84 Silver Plus,) will be used and is *strongly recommended*, but not required for this course. At the least, a student should have a scientific calculator. (Students planning on taking upper level math classes in college need a graphing calculator).

NOTE: Any student who has successfully completed Advanced Algebra/Trigonometry cannot receive credit for Integrated College Math since mastery of these topics has already been established.

PRE-CALCULUS #**1 credit**

Prerequisite: Advanced Algebra/Trig AND consent of Int. College Math or Advanced Algebra/Trigonometry teacher

This is the fourth course in the college preparatory sequence which enables the student to enter a first year calculus course. The purpose of the course is to give the students a solid background in a wide variety of topics in mathematics, including functions from a calculus perspective, polynomials, rational functions, exponential and logarithmic functions, trigonometric functions, and conic sections. Graphing calculators (the TI-83 or TI-84) will be used and required for this course.

AP CALCULUS AB #**1 credit**

Prerequisite: Pre Calculus

This course covers the full curriculum of first semester college calculus. Topics that are covered are limit theory, continuity, differentiation, implicit differentiation, applications of differentiation, curve sketching, anti-derivatives, area under and between curves, the fundamental theorem of calculus, differentiation and integration of logarithmic exponential, trigonometric, and other transcendental functions, l'Hopital's rule, and revolution of solids. The AP exam is offered at the beginning of May, so the course is set at an accelerated pace in order for us to cover the entire curriculum and have plenty of prep time before the AP exam. A scientific calculator is required for this class and a graphing calculator (TI-84 Silver Plus/TI-84 Silver Plus CE) is strongly encouraged.

AP CALCULUS BC #**1 credit**

Prerequisite: AP Calculus AB

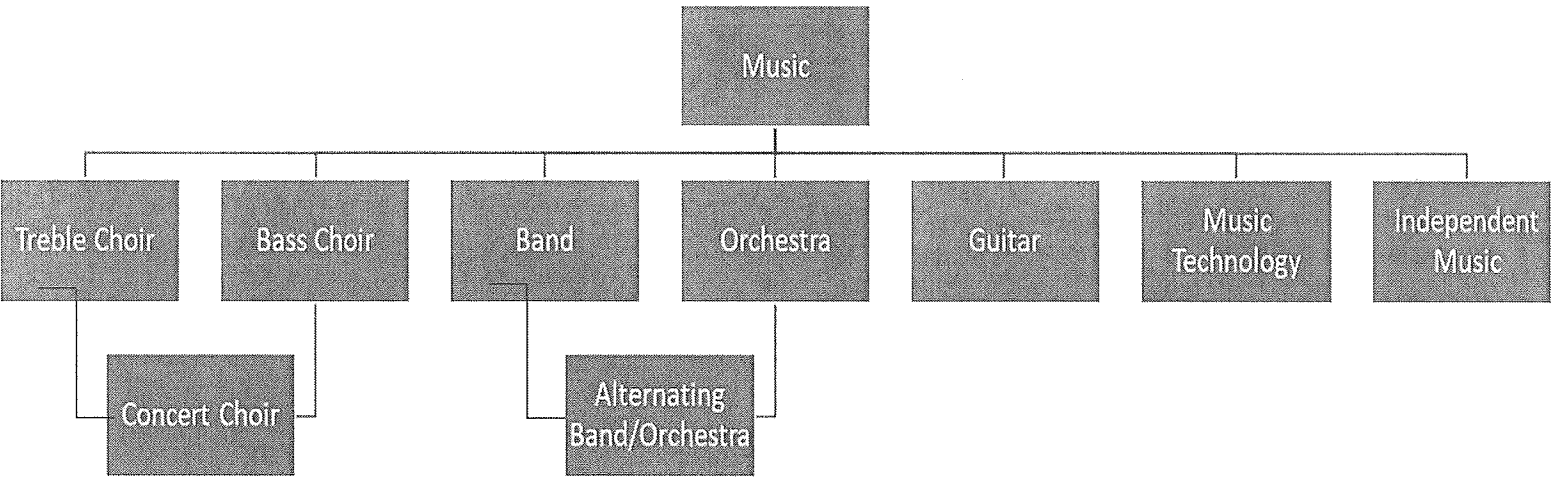
This course is the equivalent of an introductory college-level calculus course. In this course, students study limits, continuity, differentiation, and integrated algebraic, trigonometric, and transcendental functions, as well as explore applications and derivatives and integrals, infinite series, and parametric and polar equations. Students prepare for the AP exam and further studies in science, engineering, and mathematics. Additional hours beyond classroom time are required in order to keep pace in the course.

AP STATISTICS #**1 credit**

Prerequisite: Advanced Algebra/Trigonometry or Algebra 2 with teacher recommendation

AP Statistics is the high school equivalent of a one semester introductory college statistics course. In this course, students develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for change behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-83/84 graphing calculator, Minitab statistical software, and Web-based java applets to investigate statistical concepts. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data.

Music



BAND #

1 credit.

Prerequisite: Grade 9, 10, 11, 12 and prior instrumental music experience

Wind and percussion students may continue their music education through participation in the LMHS Band Program, which includes Concert Band, Marching Band, Pep Band, Jazz Ensemble, and numerous other performing ensembles. Students in these ensembles will experience a wide variety of musical styles. This class will include out-of-class commitments such as, but not limited to: Summer Marching Band Camp and Rehearsals, Concerts, Parades, and Pep Band. In addition to class, students will take one lesson every two weeks in a small group or individually during or before the school day. In the fall, all students will be a part of the L-Cat Marching Band, which will transition to concert band at the completion of the marching season. Band members will also have the opportunity to participate in chamber ensembles such as brass choir, woodwind choir, percussion ensemble, and other chamber ensembles that will perform on concerts and participate in WSMA Solo and Ensemble Festivals. Summer lessons are required for incoming freshmen and are scheduled by request for grades 10-12. There will be a one-time purchase of required Drill Master black marching shoes, costing approximately \$45. The Band Director will order the shoes in bulk over the summer. Please contact the Band Director with any financial concerns. **Cost:** There is a fee associated with the course. Please reach out to your school counselor with questions or concerns.

ORCHESTRA #

1 credit

Prerequisite: Grade 9-12 and prior instrumental music experience

Orchestra is a course available to string players; wind players interested in playing in the orchestra must be members of the school band. The orchestra performs both as a string choir and as a full orchestra ensemble. Music from a variety of musical styles is performed, from early music to contemporary songs. Attendance at all scheduled rehearsals and concerts is required. In addition to orchestra, you may participate in smaller ensembles (chamber orchestra, string quartets, trios, etc.). Lessons are required. At the discretion of the director, students may participate in Solo and Ensemble Festival. This class will include out-of-class concert commitments (fall, winter, two in spring).

TREBLE/BASS CHOIR

1 credit

Treble Choir - Grades 9-12 for those who have a higher vocal range (soprano/alto)

Bass Choir - Grades 9-12 for those who have a lower vocal range (tenor/bass)

These training choirs are open to anyone in grades 9-12. The curriculum is set up as a yearlong course so students joining in mid-year will need to do some individual work to catch up to the rest of the group regarding theory and sight-reading. Students do not need to feel like they are a “good singer” to join this group. They only need the desire and discipline to participate and learn as part of a supportive atmosphere. The “how to” of singing will be taught in this class. The basics of music reading, vocal production, music theory, and singing with confidence will be emphasized.

Students will experience a wide variety of music styles ranging from early music to contemporary music including world music in their original languages, spirituals, gospel, folk, and pop. Choir members will be required to participate in concerts and attend voice lessons and/or sectionals as scheduled by the director. Extended opportunities for individuals include Solo & Ensemble and various Honor Choirs.

CONCERT CHOIR #

1 credit

Prerequisite: Grade 11, 12 at least one successful year in a high school choir with the ability to match pitch and blend, understand basic music theory, and have director consent.

This is an advanced year-round SATB chorus, and **students must sign up for both semesters**. Emphasis is placed on learning challenging repertoire at a faster pace. To do so, members must demonstrate a good foundation in vocal technique and music theory knowledge as well as have a strong group work ethic. Students will sing a wide variety of styles, expand their music theory knowledge and grow in confidence as an independent singer. Attendance at concerts and scheduled music festivals will be required. Individual projects and small ensemble work will be part of this course. Extended opportunities for individuals include Solo & Ensemble and various Honor Choirs. Concert uniforms are supplied for members. Students need to supply black dress shoes. **Cost:** There is a fee associated with the course. Please reach out to your school counselor with questions or concerns.

BASIC/INTERMEDIATE GUITAR

1 credit

Prerequisites: Grade 9, 10, 11, 12

The students in this class will learn the basic skills and knowledge needed to play the guitar. We will also focus on the history and characteristics of this instrument and begin to understand its importance in many styles of music. Students of any ability level are welcome. Some of the topics covered will include: playing of simple notes and rhythms, strumming patterns, reading basic chords, tablature, basic music theory and chord progressions. Other topics that may be studied include basic songwriting, and types of guitars and equipment, finger picking, and singing and accompanying. Students are encouraged to provide their own instrument. Limited number available through the school.

MUSIC TECHNOLOGY

.5 credit

Prerequisite: Grades 10, 11, 12

This course will utilize technology to understand, create and record music as well as explore the world of live sound production. Students will learn how to use various music software, hardware, recording programs and notation programs. Other topics that will be explored include music theory and compositional techniques. Career options explored will include performing, broadcasting, producing, and audio engineering.

INDEPENDENT MUSIC #

.5 credit

Prerequisite: Grade 11, 12 and permission of the instructor

Independent music is a semester elective course offered to students in grades 11-12, with priority given to students currently enrolled in another music course. The course provides an opportunity for self-directed music study with an emphasis chosen by the student in collaboration with the instructor. Enrichment opportunities may include but are not limited to the use of instruments, voice, electronic media and/or use of computers. Prior music background and/or experience is recommended and is required by the individual instructor.

Physical Education

PHYSICAL EDUCATION & HEALTH EDUCATION-Required

.25 credit per semester

Grade 9

In the first year of physical education in high school, the students will have one semester of Health Education and one semester of Physical Education. The Health Education course is designed to assist students in obtaining accurate information, developing lifelong positive attitudes and behaviors, and making wise decisions related to their personal health. Coursework will include personal and community health; mental, emotional and social health; injury and prevention and safety, nutrition and physical activity; alcohol, tobacco, and other drugs; human growth and development and sexual health. Central themes are the acceptance of personal responsibility for lifelong health, respect for and promotion of the health of others, an understanding of the process of growth and development, and informed use of health-related information, products and services.

In the Physical Education course, students will participate in group and team activities to learn to work with other members of their class. The students will focus on skill development and implementing those skills into a game situation. There will be an emphasis on endurance, strength and flexibility and how each component relates to overall physical fitness. The students will participate in physical fitness testing to determine their individual levels of fitness.

PHYSICAL EDUCATION -Grade 10-Required unless taking Strength and Conditioning .25 credit per semester

Grade 10

During the second year, students participate in activities similar to those of the ninth grade. They build on the skills they learned in ninth grade and continue to apply them to game situations. They continue to learn and apply the principles of fitness in their understanding of the importance of exercise in their daily lives. They work to improve their fitness levels as they compare their scores on the Presidential Physical Fitness tests from the year before.

LIFETIME WELLNESS

.25 credit per semester

Grade 11,12

This course is designed to teach the students about fitness concepts and benefits of a lifetime of physical activity. All students will be informed, independent decision makers who will make healthy lifestyle choices a lifelong habit. Units will include the following but not limited to biking, cross country skiing, golf, horse shoes, tennis and disc golf.

COMPETITIVE SPORTS

.25 credit per semester

Grade 11, 12

Students will experience the pleasure of participating in physical activities in a competitive setting. They will learn to recognize the strength and weaknesses of teammates and provide opportunities for everyone to enjoy success with skill limitations. A competitive spirit is essential for this class. Activities include but are not limited to the following units: soccer, lacrosse, Ultimate Frisbee, team handball, flag football, softball, volleyball and other competitive games.

STRENGTH TRAINING AND CONDITIONING

.25 credit per semester

semester Grade 10, 11, 12

This class encourages students to understand the link between physical activity and body movement in an athletic and on athletic setting. During the class students will gain the knowledge of the five components of fitness through a training program. The class will show students that physical activity has immediate benefits of lowering levels of body fat while increasing lean body mass, increasing self-esteem and reducing stress as well as being active for life.

ADVANCED STRENGTH TRAINING #

.25 credit per semester

Prerequisite: Strength Training and Conditioning

Workouts will be strict and in alignment with the strength and conditioning programs created by LMASD athletic coaches. Student-Athletes will be allowed to use this workout to avoid pre/post practice lifts. This class is an intense course that requires discipline, focus and aligns with elite strength programs of some Wisconsin high schools and colleges.

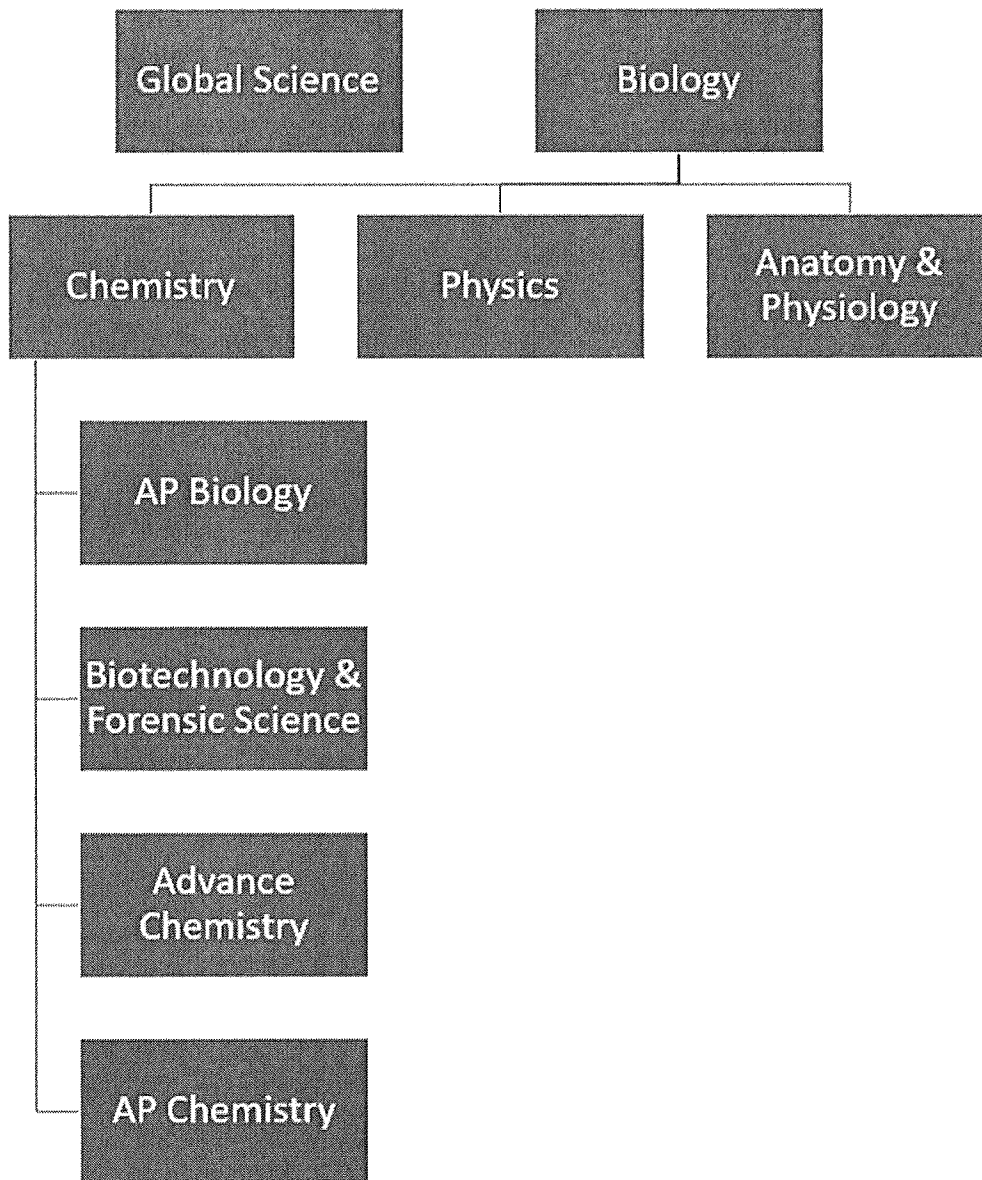
SPORTS OFFICIATING (online)

.5 credit

(does not count towards required PE credit) Grade 10-12

Sports Officiating will take a closer look at the career of sports officials. Students will learn how to develop and build the skills of officiating, for example: conflict management, decision-making, communication, and goal setting skills. They will examine the importance of being physically and mentally fit in regard to the demands of officiating. The course will conclude with a look into the professional and legal responsibilities of sports officials.

Science



BIOLOGY-Required**1 credit**

Prerequisite: Grades 9-10

This course is designed to provide a general knowledge of life sciences. It is structured to provide the student with an insight into the major fields of modern biology, as well as a sound background in the basic biological concepts that affect the various forms of life.

INTEGRATED GLOBAL SCIENCE**1 credit**

Prerequisite: 9-10 or consent of instructor

This course examines the earth in the context of our solar system and the different cycles that are observed on earth, as well as exploring various environmental science topics as they relate to human interaction with the earth. Topics will include earth/moon/sun relationships, earth's cycles, and numerous topics concerning how humans have influenced our environment on earth. This course will be largely lab and discussion based.

ANATOMY & PHYSIOLOGY #**1 credit**

Prerequisite: Chemistry or Integrated Global Science

This course is a study of the different systems of the human body with emphasis on anatomical identification and physiological processes of each of those systems. Units studied during this course will include an introduction to anatomy, homeostasis, histology, integumentary system, skeletal system, and muscular system. A medical research paper and accompanying project are also required. The second semester focuses on the nervous system, special senses, cardiovascular system, digestive system, and respiratory system. Each unit will incorporate a focus on selected clinical/disease applications.

CHEMISTRY #**1 credit**

Prerequisite: Biology

Chemistry is one of the fundamental natural sciences and is recommended for all college-bound students. We will study the ways in which chemicals act and interact with each other including: chemical and physical changes, energy transfer, atomic structure, the periodic table, bonding, and chemical reactions. This course is largely lab biased, but a significant amount of algebra is used as well. A scientific calculator is required.

ADVANCED CHEMISTRY #**1 credit**

Prerequisite: Chemistry

Advanced Chemistry explores new topics from those in chemistry while also delving deeper into previously covered topics. The focus of the course is on using chemistry and mathematical skill to uncover the more complicated nuances of how the chemicals around us interact. You will be pushed to solve problems creatively and efficiently as a scientist would. It is challenging, exciting, and recommended for all students interested in continuing in science, medicine or related careers. A good work ethic and strong math skills will also be necessary.

BIOTECHNOLOGY & FORENSIC SCIENCE #**1 credit**

Prerequisite: Chemistry or Instructor consent

This course is a dual credit class through Madison College.

This course provides a broad introduction to the biotechnology industry, including applications in diverse areas such as health care, agriculture, environmental science, and identification (including forensics). Ethical, legal, and social issues raised by applications in biotechnology will also be discussed. Additionally, this course explores different branches of molecular biology as it relates to current technology, and many laboratory techniques such as DNA extraction, electrophoresis, and recombinant DNA technology, and genetic engineering. The Forensic Science portion of the class will include topics such as crime scene investigation, evidence collection techniques and analysis, blood typing and blood spatter, fingerprinting, DNA profiling, and culminating in a mock crime scene investigation for the final.

PHYSICS #**1 credit**

Prerequisite: Grade "C" or better in Advanced Algebra/Trigonometry or consent of instructor.

Physics is a basic science recommended for college-bound students. Topics studied include motion, mechanics, energy, light and electricity. The class is math oriented with lab experimentation. A scientific calculator is required.

AP BIOLOGY #**1 credit**

Prerequisite: Biology and Chemistry

This is a rigorous advanced course that is designed to be the equivalent of a college introductory biology course usually taken by biology majors during the first year of college. Topics will include biochemistry, energy transfer, cellular structure and specialization, cellular metabolism, mitosis and meiosis, genetics, ecology and evolution. Students will have the opportunity to take the AP Biology exam in the spring and potentially earn college credits. *This course requires a lot of reading. Students should expect to spend up to 1-2 hours of work outside of class between class periods. Enrolling students should be highly motivated.*

AP CHEMISTRY #**1 credit**

Prerequisite: Chemistry and Current Enrollment/Previously Taken Adv. Algebra/Trigonometry

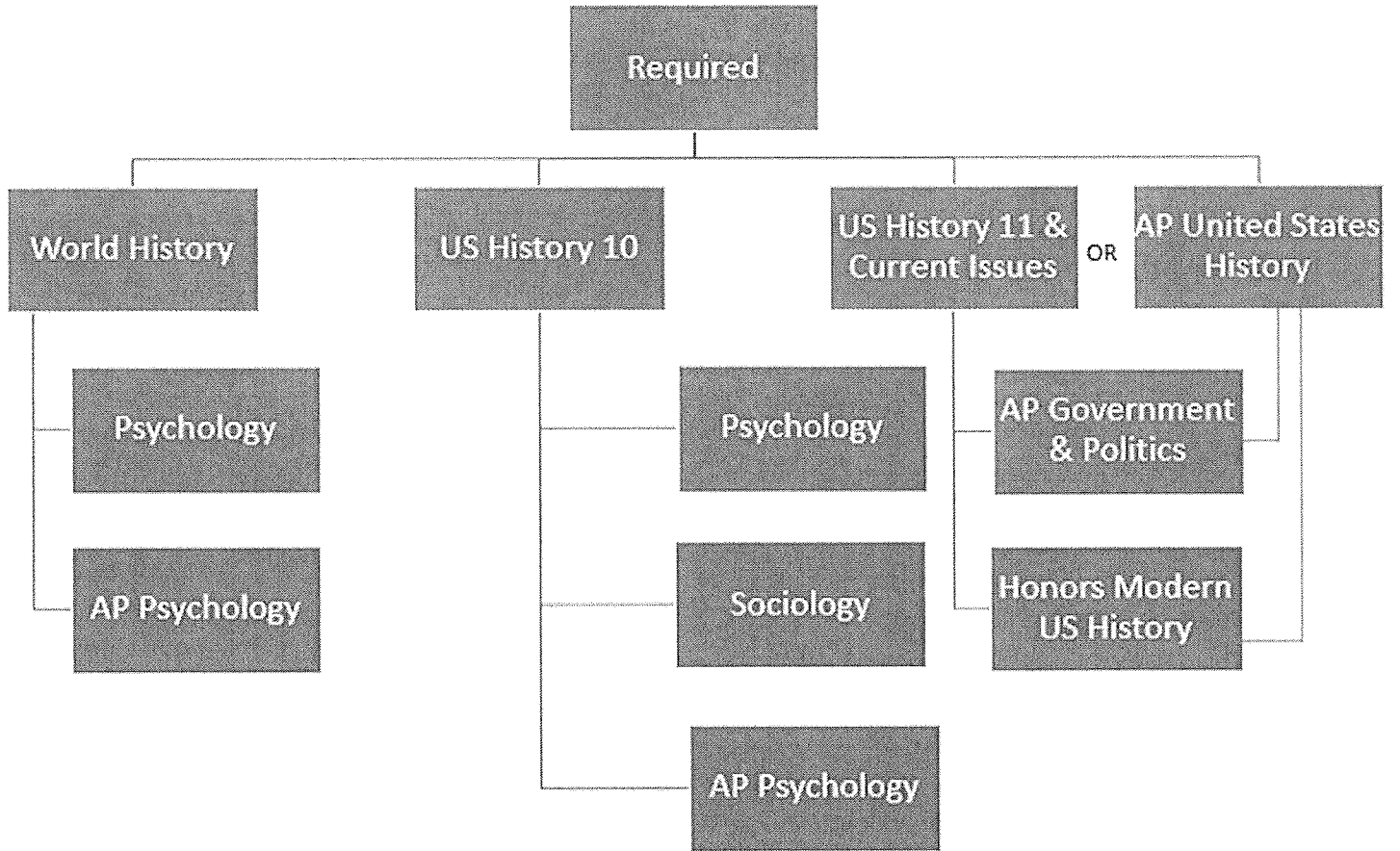
AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year.

AP ENVIRONMENTAL SCIENCE (online) #**1 credit**

Prerequisite: Biology and Integrated Global Science

This college-level course provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world. Students will identify and analyze environmental problems that are both natural and human made. They will evaluate the risks associated with these problems and examine alternative solutions to addressing them. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP Environmental Science Exam. Students planning to take the AP Exam must complete hands-on labs at the school district to fulfill college board requirements.

Social Sciences



WORLD HISTORY 9-Required**1 credit****Grade 9**

This course will focus upon the contributions of European, African, Asian, Arab, and American civilizations. Students will utilize a variety of primary and secondary source materials to develop an understanding of the progress of human civilization and how it relates to current world events. Within this context, the development of the major world religions will be addressed.

U.S. HISTORY 10-Required**1 credit****Grade 10**

This course will focus on US History from the Exploration through the 1920's. It is a continuation of 8th grade US History, emphasizing the changes that have occurred, and the responsibilities of citizenship.

U.S. HISTORY 11-Required unless enrolled in AP US History**.5 credit****Grade 11**

This U.S. History course will focus from World War II to today. It is the last semester of U.S. History. It will explain the what and why of current U.S. History. This course is required unless enrolled in AP US History 11th grade year

CURRENT ISSUES AND POLITICS-Required unless enrolled in AP US History**.5 credit****Grade 11, 12**

Students who like to use the newspaper, news magazines, radio, television and the Internet to stay current about today's issues, should sign up for this course. This course will allow students to use a variety of news sources to be a part of living history. The focus of the course will be on current political issues, economics, social, scientific and military developments worldwide. In addition, investigations of the newsmakers and pop culture will be included. This course can also be a Grade 12 elective course. This course is required unless enrolled in AP US History 11th grade year

AP UNITED STATES HISTORY #**1 credit****1 credit Grade 11, 12**

In this college-level course, students will utilize primary and secondary sources to develop an understanding of United States history. Students have the opportunity to take a comprehensive exam in the spring. Students earning high scores on this exam may earn three to six college credits. Enrolling students should be highly motivated. This is a year-long course and fulfills the Grade 11 Social Studies requirement. *This is a challenging class and students should expect 1-2 hours of homework between each class period.*

AP EUROPEAN HISTORY (online) #**1 credit**

Renaissance to the present. Topics include important political, economic, religious, social and intellectual developments that occurred in Europe during that time period. Students demonstrate understanding of historical events and themes through a variety of challenging and engaging writing assignments. This course meets the rigorous standards of the College Board and was designed to prepare students to sit for the AP European History Exam.

AP UNITED STATES GOVERNMENT AND POLITICS #

1 credit

Prerequisite: Grade 12 (Grade 11 consent of instructor)

In this college-level course, students will study the institutions of the United States government and its constitutional underpinnings. The course will also explore the relationship between citizens, political parties, interest groups, and mass media. Students have the opportunity to take a comprehensive exam in the spring. Students earning high scores on this exam may earn three to six college credits. Enrolling students should be highly motivated. *This is a challenging class and students should expect 1-2 hours of homework between each class period.*

HONORS MODERN UNITED STATES HISTORY #

1 credit

Prerequisite: AP United States History or US History 11/Current Issues

In this college-level course, students will utilize primary and secondary sources to develop an in-depth understanding of United States history from World War II to the present. Students will also complete a research project for the National History Day competition. This is a year-long course. Enrolling students should be highly motivated and should expect at least 1 hour of homework between each class period.

PSYCHOLOGY

.5 credit

Prerequisite: Grade 10, 11, 12

This course involves the study of human behavior and is intended as an introduction to the science of psychology. Topic areas include: studies of sensation and perception, memory, states of consciousness and dreams, maturation, personality and personality theory, abnormal behavior and ways it can be dealt with and experimentation in psychology. Students have the opportunity to choose either Psychology or AP Psychology.

AP PSYCHOLOGY #

1 credit

Prerequisite Grade 10, 11, 12

This course provides an overview of current psychological research methods and theories. Students will explore the therapies used by professional counselors and clinical psychologists and examine the reasons for normal human intimacy and self-reflection. Students will study core psychological concepts, such as the brain and sense functions, and learn to gauge human reactions, gather information, and form meaningful syntheses. AP Psychology prepares students for the AP exam and for further studies in psychology and life sciences. Students have the opportunity to choose either Psychology or AP Psychology. *This is a challenging class and students should expect 1-2 hours of homework between each class period.*

SOCIOLOGY

.5 credit

Prerequisite: Grade 11, 12 (grade 12 is given priority, sections may be limited)

Sociology is the science that studies human society and social behavior. This course is intended as an introduction to the science of sociology. Topics covered include: culture, social interactions, socialization, adolescence and deviance/social control. Major problems in society are studied to enable the student to acquire deeper knowledge of their social environment and to assume their role as an effective citizen.

ARCHAEOLOGY (online)

.5 credit

Prerequisite: Grade 11, 12

Students enrolled in this elective course will be given the opportunity to explore the field of archaeology. Modules within this course cover topics such as dating artifacts, geoarchaeology, archaeobotany, archaeozoology, and archaeological chemistry. At the end of this course, students will be able to form relationships between the concepts in archaeology and the concepts in other fields of science.

WORLD RELIGIONS (online)**.5 credit**

Prerequisite: Grade 10, 11, 12

This course explores the development, doctrines and practices of today's major faiths. Students begin by examining personal religious development and then survey major religious movements. Detailed information about the beliefs and practices of Hinduism, Jainism, Buddhism, Daoism and Confucianism, Shinto, Judaism, Christianity, Islam and Sikhism are presented. New-Age religious movements and religion in the 21st century complete this extensive exploration of faith and beliefs.

INTRODUCTION TO LAW ENFORCEMENT (online)**.5 credit**

Prerequisite: Grade 10, 11, 12

In this course, students will explore the basics of a career in Law Enforcement. Introduction to Law Enforcement begins with an overview and brief history of Police in the U.S. The course continues by covering topics in operation, recruitment, strategies, and police conduct. Students will also learn about issues and ethics in contemporary policing.

CRIMINAL JUSTICE (online)**.5 credit**

Prerequisite: Grade 10-12

This introductory course is designed to familiarize students with the formation, responsibilities, function, and interdependence of the agencies responsible for the administration and enforcement of justice in the United States. This course introduces the law-making bodies that make up the judicial system, criminal trial system, corrections system, and juvenile justice system. This course also provides an overview of the problems and solutions in modern policing it will examine the studies of criminology and victimology, and will address the current challenges and temperature of criminal justice in our 21st century society.

AP MACROECONOMICS (online) #**.5 credit**

Prerequisite: Grade 11, 12 and Algebra II or Algebra Trigonometry

The purpose of the AP Macroeconomics course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. This course was designed to prepare students to sit for the AP Macroeconomics Exam.

AP MICROECONOMICS (online) #**.5 credit**

Prerequisite: Grade 11, 12 and Algebra II or Algebra Trigonometry

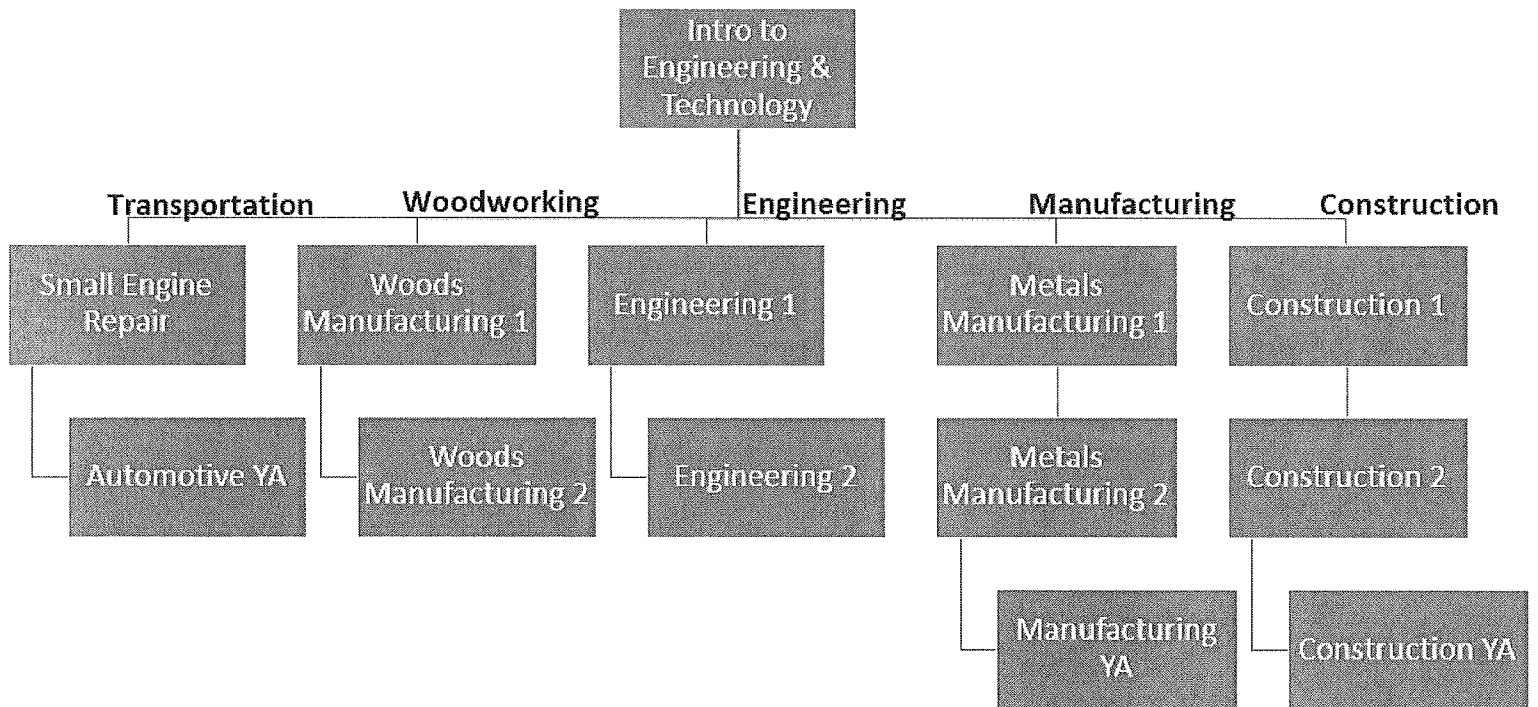
The purpose of the AP Microeconomics course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economics system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. This course was designed to prepare students to sit for the AP Microeconomics Exam.

NATIVE AMERICAN STUDIES (online)**.5 credit**

Grades 10, 11, 12

This course provides students with an overview of Native American history starting with Indigenous nations before European colonization and continuing to modern day. Students will examine the effects of colonization, relations with non-Natives, federal policies, and conflicts in social, political, and economic systems. This course helps students build cultural awareness through the analysis of commonly misunderstood and often ignored parts of American history, as well as developing a deeper understanding of the importance of tribal heritage and identity from an Indigenous historical perspective.

Technology & Engineering Education



In today's rapidly changing world it is imperative to provide students with learning experiences that will allow them to keep pace with our rapidly changing technological society. Our focus is to design a curriculum and provide lifelong learning skills which will incorporate all curricular disciplines and provide all students with relevant, career-focused education to become capable and productive adults.

The LMHS Technology Education Department offers a sequence of courses that focus on five areas or career pathways of study. The pathways will provide students with a solid set of knowledge, experiences, and skills that can serve as a foundation for careers in the areas of Manufacturing, Automotive, Construction, Woodworking, and Engineering. A fee will be assessed for materials used.

ENGINEERING

INTRODUCTION TO TECHNOLOGY AND ENGINEERING

.5 credit

Prerequisite: None

This class will give students an introduction to a wide variety of Technology Education subjects. In this class, students will explore the engineering design process by completing a series of design challenges. Students will learn about 3d modeling programs and use them to program engineering equipment. Students will operate 3d printers and laser engravers. Students will also learn about woodworking manufacturing by completing a folding chair. If time permits students may also learn basic welding operations.

ENGINEERING I

.5 credit

Prerequisite: Introduction to Technology and Engineering or upperclassmen status

The intent of this STEM course is to provide students with an orientation into the history and types of engineering. Students who complete this course will learn the concepts related to data collection, systems analyzation, product development, 3d printing, laser engraving, vinyl cutting and expand their knowledge of using the 3D modeling program Solidworks.

ENGINEERING II #

.5 credit

Prerequisite: Engineering 1

The intent of the STEM course is to provide students with a more in depth understanding of the challenges and requirements it takes to be an engineer. Students who complete this course will learn the concepts related to chart making, technical communications, engineering ethics, project management, manufacturing materials and expand their knowledge and use of Solidworks. Students will prototype and manufacture an ergonomically correct cardboard chair and 3d model and manufacture a hydraulic powered arm. If time permits students will learn about simple electronics and create a single string electric guitar.

CONSTRUCTION

CONSTRUCTION I

.5 credit

Prerequisite: Introduction to Technology and Engineering or upperclassmen status

Students will take part in classroom and lab activities to learn construction techniques used in industry today. The course will include techniques and information including basic construction safety, construction math, hand tools, power tools, construction drawings, employability skills, rough framing, roofing, and exterior finishing. NOTE: Safety glasses are required daily and are to be provided by the student.

CONSTRUCTION II #

.5 credit

Prerequisite: Construction I

This course is a dual credit class through Madison College. Students can earn 3 credits towards the construction program at Madison College by completing the course. Students will use prior skills and gain advanced skills by completing the selected projects. Projects will include building a sawhorse, corn hole board, and a wall section. The wall section will include a floor, wall, and cut out for a sink. Students will plumb a pvc drain with a vent for the sink. Then run PEX water lines and install a fully functional sink. Students will run 3 different residential wiring setups. If time permits students will learn about drywall installation and repair. NOTE: Safety glasses are required daily and are to be provided by the student.

CONSTRUCTION YOUTH APPRENTICESHIP #

1 credit

Prerequisite: junior or senior standing

If the student is serious about a career in the construction industry then this youth apprenticeship is for them. The program involves the student successfully completing Building Trades 1. The program involves 450 hours of paid work experience over one year or 900 hours over two years with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. **New for the 2025-2026 School Year: Any students interested in participating in the YA program will need to fill out an application and go through an interview process. Please contact Mrs. Weldon for more information.**

MANUFACTURING

METALS MANUFACTURING I

.5 credit

Prerequisite: Introduction to Technology and Engineering or upperclassmen status

This introductory course in metalworking will orient students to the skills and knowledge necessary to understand and pursue higher levels of skills in the world of manufacturing. This course orients students to a variety of processes:

Units:

- Lathe
- Sheet Metal
- Drilling and Taping
- GMAW (MIG)
- SMAW (Stick)
- OAW (Oxy-Acetylene)

Manufacturing is a growing profession in Jefferson County and throughout the United States. Skilled workers are needed to fill these positions. Note: Safety glasses are required daily and are to be provided by the student.

METALS MANUFACTURING II #

.5 credit

Prerequisite: Metals Manufacturing I

Students in this course are provided the opportunity to broaden their general knowledge and skills in the metals manufacturing field. This activity-based course provides a more in-depth approach to manufacturing materials and processes. Students will build upon concepts and skills acquired in Metals Manufacturing 1 to learn about:

Units:

- Lathe
- Mill
- GMAW (MIG)
- SMAW (Stick)
- GTAW (TIG)
- Bending

Manufacturing is a growing profession in Jefferson County and throughout the United States. Skilled workers are needed to fill these positions. Note: Safety glasses are required daily and are to be provided by the student.

MANUFACTURING YOUTH APPRENTICESHIP #

1 credit

Prerequisite: junior or senior standing

If the student is serious about a career in the manufacturing industry then this youth apprenticeship is for them. The program involves the student successfully completing Metals Manufacturing 1. The program involves 450 hours of paid work experience over one year or 900 hours over two years with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. **New for the 2025-2026 School Year: Any students interested in participating in the YA program will need to fill out an application and go through an interview process. Please contact Mrs. Weldon for more information.**

WOODWORKING

WOOD MANUFACTURING I

.5 credit

Prerequisite: Introduction to Technology and Engineering or upperclassmen status

This is an introductory course to woodworking and cabinetmaking. It will allow the students to gain the knowledge and skills needed to plan and produce fine woodworking projects. This course will include wood identification, measurement and math skills, reading work instructions, making a cost estimate, safely learning how to use hand tools, power tools, and equipment used in industry. Beginning projects are generally, but not limited to, a shop stool, cutting board and bedside table. NOTE: Safety glasses are required daily and are to be provided by the student.

WOOD MANUFACTURING II #

.5 credit

Prerequisite: Wood Manufacturing I

This advanced course will allow students an in depth study of woodworking and cabinetmaking. It includes: advanced skill activities on all equipment, drawer construction, various joinery techniques, design elements, cost estimates, creating work instructions, and problem solving. This is accomplished through an accent cabinet build and Madison College dual credit. Students will create a production plan and complete it from start to finish to prove proficiency in the design, planning, and purchasing of materials. NOTE: Safety glasses are required daily and are to be provided by the student.

TRANSPORTATION

SMALL ENGINE REPAIR

.5 credit

Prerequisite: Introduction to Technology and Engineering or upperclassmen status

Students will learn about the 4 Stroke Cycle, and the role that it plays in our daily lives. Students will learn the 4 distinct actions during the 4-stroke cycle, and what internal components of the engine need to do during each stroke. They will also gain an understanding of how various components must be timed for the cycles to function. Students will also be required to perform in various labs. Labs will include measurement, engine identification, parts & tools, carburetors, compression, electrical, cooling, governors, and troubleshooting. If time allows, students will be able to bring in an engine from home for engine diagnosis and repair towards the end of the semester. Note: Safety glasses are required daily and are to be provided by the student.

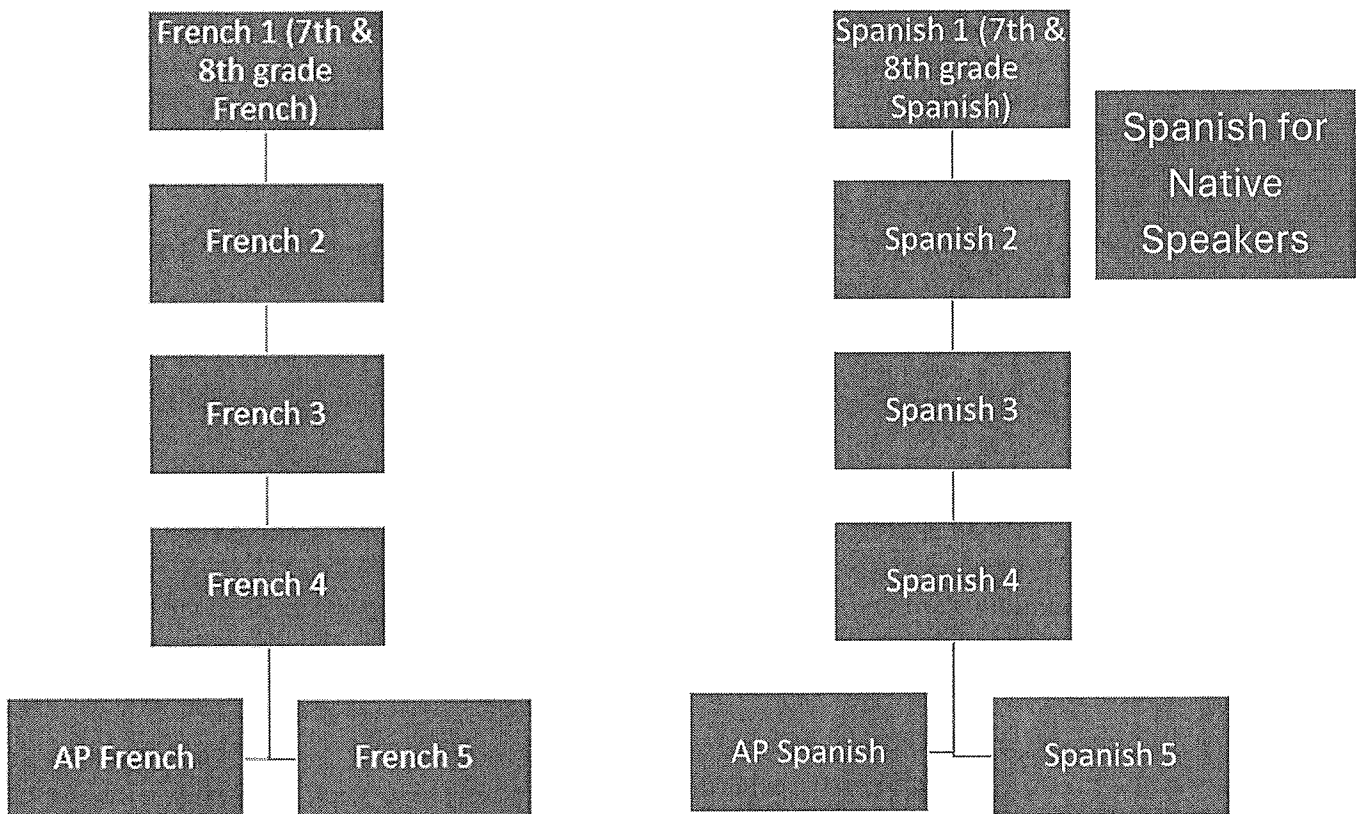
TRANSPORTATION YOUTH APPRENTICESHIP #

1 credit

Prerequisite: junior or senior standing

If the student is serious about a career in the automotive industry, then this youth apprenticeship is for them. The program involves the student successfully completing Small Power Equipment. The program involves 450 hours of paid work experience over one year or 900 hours over two years with a mentor/trainer. Selection for this program is done through an interview process by the coordinator, instructor and employer. **New for the 2025-2026 School Year: Any students interested in participating in the YA program will need to fill out an application and go through an interview process. Please contact Mrs. Weldon for more information.**

World Language



FRENCH 1: Novice-Low/Mid to Novice-High Proficiency

1 credit Available for: any grade level

Novice level learners can communicate using memorized materials in the form of words/characters, phrases or simple sentences. Students will use and improve linguistic and cultural knowledge as they interpret, analyze and demonstrate understanding of authentic texts and conversations from diverse communities and contexts. They will also exchange information and ideas as well as present information in a variety of formats. Students are expected to speak French as much as possible in class.

FRENCH 2: Novice-Mid/High to Intermediate-Low Proficiency

1 credit Prerequisite: French 1 or 7th & 8th grade French and/or consent of instructor

Novice level learners can communicate using memorized materials in the form of words/characters, phrases or simple sentences. Students will use and improve linguistic and cultural knowledge as they interpret, analyze and demonstrate understanding of authentic texts and conversations from diverse communities and contexts. They will also exchange information and ideas as well as present information in a variety of formats. Students are expected to speak French in class.

FRENCH 3 #: Novice-High to Intermediate-Low/Mid Proficiency

1 credit Prerequisite: French 2 and/or consent of instructor

Intermediate learners can create with language, ask and answer simple questions on familiar topics and handle a simple situation or transaction. Students will use and improve linguistic and cultural knowledge as they interpret, analyze and demonstrate understanding of authentic texts and conversations from diverse communities and contexts. They will also exchange information and ideas as well as present information in a variety of formats. Students are expected to speak French in class.

FRENCH 4 #: Intermediate-Low/Mid to Intermediate-High Proficiency

1 credit Prerequisite: French 3 and/or consent of instructor

Intermediate learners can create with language, ask and answer simple questions on familiar topics and handle a simple situation or transaction. Students will use and improve linguistic and cultural knowledge as they interpret, analyze and demonstrate understanding of authentic texts and conversations from diverse communities and contexts. They will also exchange information and ideas as well as present information in a variety of formats. This course is the equivalent of an AP course in rigor. Students are expected to speak French in class.

French 5 Dual Credit #: Intermediate-Mid/High to Advanced-Low Proficiency

1 credit Prerequisite: French 4 and/or consent of instructor

This is a dual credit class with UW-Green Bay. Tuition will be charged.

Intermediate learners can create with language, ask and answer simple questions on familiar topics and handle a simple situation or transaction. Students will use and improve linguistic and cultural knowledge as they interpret, analyze and demonstrate understanding of authentic texts and conversations from diverse communities and contexts. They will also exchange information and ideas as well as present information in a variety of formats. This course is the equivalent of an AP course in rigor. Students are expected to speak French in class.

In addition, this course is part of the College Credit in High School (CCIHS) program through UW-Green Bay in which students can earn university credit at a reduced tuition (more info. At www.uwgb.edu/ccihhs). This credit transfers easily to other UW System schools. Students who successfully complete this course with a "B" or better will be eligible to earn up to 11 retro credits through UW-Green Bay applicable in all UW System schools upon enrollment in this course through the university. Other universities may accept the retro credits as well. Please check with your individual university.

SPANISH 1: Novice-Low/Mid to Novice -High/Intermediate Low Proficiency

1 credit Available for: any grade level

Spanish 1 is an introductory course for students with little or no background in the language and who are taking it for the first time. *This course is not appropriate for students who have completed 7th & 8th grade Spanish with an average of "C" or better.* Through hands-on activities, students will learn the four basic language skills of listening, speaking, reading and writing. Songs, presentations, skits, readings, grammar, writing activities, group activities and online work will allow students to express themselves in a variety of everyday situations. The vocabulary has an emphasis on real-life applications including: identity, pastimes, school, families and profession. Classes are conducted primarily (-90 %) in Spanish. Students are expected to speak Spanish as much as possible in class.

SPANISH 2: Novice-High to Intermediate-Low/Mid Proficiency

1 credit Prerequisite: Spanish 1 or 7th & 8th grade Spanish and/or consent of instructor

This course will reinforce basic language skills in action. Students will learn to express themselves in a more sophisticated way, creating complex sentences in the present and past tenses and through the usage of authentic Spanish materials. Songs, presentations, skits, readings, grammar, writing activities, group activities and online course work will allow students to express themselves in a variety of everyday situations based on shopping, home, health and communities. Written and oral communication will be emphasized with classes conducted primarily in Spanish. Students are expected to speak Spanish the majority of the class and complete daily work. Work time outside of class will be necessary to prepare for summative assessments.

SPANISH 3 #: Intermediate-Low to Intermediate-Mid Proficiency

1 credit Prerequisite: Spanish 2 and/or consent of instructor

Students continue to develop their reading, writing, and speaking skills by building on what they learned in Spanish 1 and 2. Conversation practice including dialogues and speeches will be an important part of the course. Themes include hobbies, childhood, neighborhood, professions and nature, while grammar topics include the future and subjunctive tenses. Reading comprehension is emphasized through the use of short stories and other selections written in Spanish. Students will continue their study of Spanish culture. Written and oral communication will be emphasized with classes conducted primarily in Spanish. Students are expected to speak Spanish as much as possible in class and complete daily work. Work time outside of class will be necessary to prepare for summative assessments.

SPANISH 4 #: Intermediate-Mid to Intermediate-High Proficiency

1 credit Prerequisite: Spanish 3 and/or consent of instructor

Students review grammar and vocabulary learned in Spanish 1, 2, and 3 as well as study more advanced grammatical structures. The subjunctive tense is mastered at this level. New themes and vocabulary are introduced. Emphasis is placed on the development of reading, writing, speaking and listening skills through dialogues, short literary selections and compositions. Students have an opportunity to do more in-depth cultural study. Students are expected to speak predominantly in Spanish and complete daily work. Work time outside of class will be necessary to complete daily work and to prepare for summative assessments.

SPANISH 5 #: Intermediate-Mid to Intermediate-High Proficiency

1 credit Prerequisite: Spanish 4 and/or consent of instructor

This class includes a comprehensive review of all grammatical structures. Emphasis is placed upon comprehension of literature through study of short stories, poetry and novels as well as composition skills. Students have an opportunity to continue in-depth study of Spanish culture. Students are expected to speak Spanish the vast majority of class. Work time outside of class will be necessary to complete daily work and to prepare for summative assessments.

AP SPANISH LANGUAGE AND CULTURE #

1 credit Prerequisite: Spanish 3 or 4

The AP Spanish Language and Culture course is an advanced language course in which students are directly prepared for the AP exam. It uses as its foundation the three modes of communication: interpersonal, interpretive, and presentational. The course is conducted almost exclusively in Spanish. The course is based on the six themes required by the College Board: 1) global challenges, 2) science and technology, 3) contemporary life 4) personal and public identities, 5) families and communities, and 6) beauty and aesthetics. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to listen to, read, and understand a wide variety of authentic Spanish language materials and sources, demonstrate proficiency in interpersonal, interpretive, and presentational communication using Spanish, gain knowledge and understanding of the cultures of the Spanish speaking areas of the world, use Spanish to connect other disciplines and expand knowledge in a wide variety of contexts, develop insight into the nature of the Spanish language and its cultures, and use Spanish to participate in communities at home and around the world. The intensity, quality, and amount of course material can be compared to that of a third-year college course. Additional hours beyond classroom time are required in order to keep pace in the course.

SPANISH FOR NATIVE SPEAKERS

1 credit Prerequisite: Grades 9, 10, 11 or 12 and native or near-native Spanish fluency

This course is for native Spanish-speaking students to improve their reading, writing, and grammar skills in the Spanish language. The focus will be on correct spelling, accent placement, and grammar constructions to assist native Spanish speakers in increasing their bilingual skills to ready themselves for their future careers and college experiences. Students will also be improving their reading skills through the use of authentic texts in the Spanish language. Work time outside of class will be necessary to complete daily work and to prepare for summative assessments.

GERMAN 1 (online)

1 credit Available for: Grade 10-12

German I students are introduced to the German language through basic vocabulary and grammar. Students learn about German culture while gaining familiarity with the language. Communication and conversation skills are emphasized through the use of technology and supplemental materials.

GERMAN 2 (online)

1 credit Prerequisite: German 1

In German II, students build on their background from German I and increase proficiency in reading comprehension, written skills, and conversation. Students learn how to ask for information, describe people and places and communicate in sentence form. Cultural awareness is also strengthened through written exercises and readings

GERMAN 3 (online)

1 credit Prerequisite: German 2

Students build upon the knowledge and background from German II and continue to increase fluency and proficiency in reading, writing, and conversational skills. Students learn more about German culture and how to participate more naturally in conversations regarding everyday activities and chores, as well as how to express themselves more fully and clearly in conversations with native German speakers.

