

Mishicot High School Course Handbook

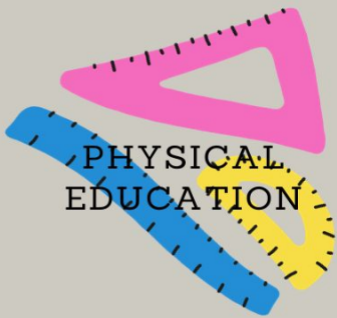
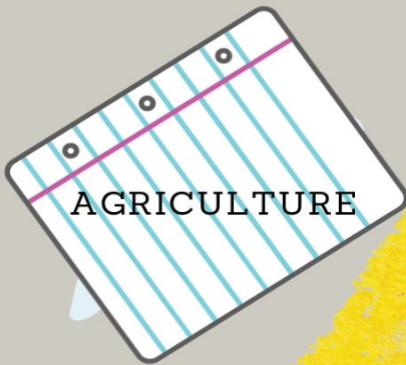
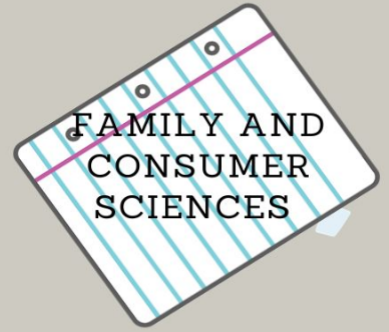


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GRADUATION REQUIREMENTS

Total Required Credits for Graduation = 28.5

- **English – 4.5 credits** – *English 9 (1 credit), English 10 (1 credit), R and I (.5 credit), English 11 or College English I (1 credit) and English 12, Written Communication, College English I (if not taken in grade 11) or College English II (1 credit)*
- **Social Studies – 4 credits** – *World History or AP World History (1 credit), US History 10 or Honors US History (1 credit), Government or AP Government (1 credit), US History 11 or Honors US History 11 (.5 credit), Financial Literacy (.5 credit)*
- **Science – 3 credits** – *Earth Science (1 credit), Biology (1 credit), and one of the following: Introduction to Horticulture, Large Animal Science, Chemistry, Physics, Human Biology or Environmental Science (1 credit each)*
- **Mathematics - 3 credits from 3 courses** – *Algebra I (1 credit), Geometry (1 credit) or Geometry in Construction (2 credits) and Algebra II (1 credit)*
- **Physical Education – 1.5 credits** – *Fit for Life or Introduction to Weightlifting (.5 credit) and any other two PE courses (.5 credit), taken in three different grade levels*
- **Health – .5 credit** – *If this was met in Middle School, this will not be a credit on your transcript*
- **Electives – 11.5 credits** – *(11 elective credits if Health is taken in High School)*
- **1 Credit -- ACP Website**

POST-SECONDARY COURSE CONSIDERATIONS

In addition to MHS graduation requirements, there are more specific requirements listed by the various schools of higher learning. It is your responsibility to become aware of these requirements. This information is available to you through college admissions offices.

UW System Admission Course Requirements

Students interested in attending a UW-College after high school should take the UW System Admission Course Requirements into consideration when selecting courses throughout high school. Please note, some colleges do have additional requirements. For campus specific information, please visit

<https://uwhelp.wisconsin.edu/campus-profiles>

- English, 4 credits
- Mathematics, 3 credits
- Natural Science, 3 credits
- Electives, 4 credits chosen from English, mathematics, natural science, social science/history, foreign language, fine arts, computer science, and other academic areas. (Two years of a single foreign language are required for admission to UW-Madison, and are encouraged at other UW System campuses.) Some UW System campuses may also accept technical and career courses for a portion of these 4 elective credits.

Wisconsin Technical College System Course Requirements

Admission to campuses varies widely based on program requirements and capacities. Generally, all campus admission requirements are met through completion of Mishicot High School's graduation requirements, along with a favorable grade point average, however, students are recommended to contact the admissions office at their school of choice to discuss program requirements. For campus specific information, please visit

<https://www.wtcsystem.edu/>

LAUDE SYSTEM

The Laude system will be used at Mishicot High School as our recognition of graduates for both high academic standing and rigorous course selections. Class GPA shall be maintained starting with the first semester of ninth grade and continuing through the third term of 12th grade. Only full-time students shall qualify for Laude status. Semester grades for courses running as a “skinny” and term grades for courses running as a block shall be used to calculate grade point average (GPA) for Laude calculation and recognition. Only academic subjects approved by the Board, or its designee, shall be included in computing semester grades. Official Laude calculation will be completed after final semester grades are earned.

The Laude system at Mishicot High School will consist of three levels of recognition for academic grades earned and rigorous courses selected. From the most rigorous decreasing, the levels are Summa Cum Laude, Magna Cum Laude, and Cum Laude. Class rank will be determined by the Laude calculation when needed for external purposes (i.e. scholarship requests).

Laude calculations and eligible courses will be updated and described annually in Advisement or by meeting with the high school counselor. Laude points are earned through the completion of Career Cluster Pathway Programs, dual credit coursework and/or cooperative education experiences. Please consult your advisor or school counselor with questions.

CALCULATION INFORMATION AND RANGES

Students with a **3.0 GPA** or better are eligible for the Laude recognition. Only MHS’s approved list of advanced level courses (in addition to College/Technical College Youth Options and “advanced standing” courses) will be considered advanced courses for the purpose of the Laude recognition process.

Step 1: Count # of Laude courses (1/2 credit = 1 point)
Step 2: Multiply your G.P.A. by the number of Laude courses. (example: 3.44 X 13.5 = 46.4 cum laude)
Step 3: Use the ranges below to determine your Laude status.

	X		=	
G.P.A.		# of Laude points		
				* Summa Cum Laude: 74.28 - Above
				* Magna Cum Laude: 52 – 74.27
				* Cum Laude: 28.4 – 51.9

* Subject to change each year depending upon number of Laude courses

CAREER CLUSTER PATHWAY PROGRAMS

Agribusiness Systems	Animal Systems	Environmental Service Systems	Food Products and Processing Systems	Natural Resources Systems	Plant Systems
Agribusiness Fundamentals*	Introduction to Agriscience	Environmental Science*	Introduction to Agriscience	Natural Resource Management*	Introduction to Horticulture
Introduction to Agriscience	Small Animal Science	Power and Agriculture Mechanics*	Introduction to Horticulture	Introduction to Agriculture	Introduction to Agriscience
Introduction to Business	Large Animal Science	Introduction to Soil Science	Biotechnology	Introduction to Horticulture	Agribusiness Fundamentals
Mishicot Manager	Wildlife Management	Introduction to Agriscience	Landscape and Design	Introduction to Soil Science	Family Foods
Accounting I	Biotechnology	Biotechnology	Introduction to Soil Science	Wildlife Management	Culinary Arts I and II
Floral Design & Management	Math with Business Applications	Natural Resource Management	Floral Design & Management	Biotechnology	Food Science and Technology
Math with Business Applications					Biotechnology
					Large Animal Science

Journalism and Broadcasting	Visual Arts	General Management	Accounting	Programming and Software Development	Marketing Management
Computer Art	Two Dimensional Art	Leadership and Professionalism*	Accounting I* and II	Programming Introduction*	Marketing*
Advanced Computer Art	Three Dimensional Art	Career and Technical Leadership*	Introduction to Business	Computer Science Principles	Introduction to Business
Art Foundations	Ceramics	Math with Business Applications	Math with Business Applications	Microsoft Office I and II	Computer Art
Photography	Advanced Ceramics	Psychology	Microsoft Office I and II	Web Development I	Microsoft Office I and II
Advanced Photography	Drawing	Microsoft Office I and II	Statistics	Advancements in Web Design & Development	Web Development
Creative Writing	Advanced Drawing	Introduction to Business		Pre-Calculus	Customer Service Techniques
Publications	Contemporary Metals & Jewelry Design	Communications			Statistics
Current Events	Advanced Contemporary Metals & Jewelry Design	Customer Service Techniques			Career and Technical Leadership
	Advanced Painting	Statistics			Psychology
	Art Foundations	Accounting I and II			
	Art Portfolio	Mishicot Manager			
	Drawing				
	Modern Arts & Crafts				

Restaurants and Food/Beverage Services	Teaching and Training	Performing Arts	Physical Education	Biotechnology Research and Development	Health Informatics
Food Science & Technology	Parent and Child*	Choir	Fit for Life	Biotechnology*	First Aid & Safety Training*
Math with Business Applications	Leadership & Professionalism	Soundwave	Hand-Eye Fitness	Calculus	Introduction to Health Occupations*
Family Foods	Microsoft Office I	Symphonic Band	Athletic Enhancement I, II, and III	Chemistry	Statistics
Culinary I and II	First Aid and Safety Training	Choir/Symphonic Band	Fall Outdoor Pursuits	First Aid & Safety Training	Microsoft Office I
Customer Service Techniques	Career & Technical Leadership	(Take for 3 years=1 point, 4 years=2 points)	Winter Outdoor Pursuits	Introduction to Health Occupations	AP Biology
Career & Technical Leadership	Communications		Introduction to Weight Lifting	General Anatomy & Physiology	Medical Technology
	Psychology			Microsoft Office I	Human Biology
	Sociology			AP Biology	Psychology
				Advanced Chemistry	Sociology
				Human Biology	Health Promotion & Wellness
				Psychology	General Anatomy & Physiology
				Sociology	

Biotechnology Research and Development	Health Informatics	Governance	Counseling and Mental Health	Personal Care Services	Law Enforcement Services
Biotechnology*	First Aid & Safety Training*	Career & Technical Leadership	Psychology*	Personal Finance	Current Events
Calculus	Introduction to Health Occupations*	Leadership & Professionalism	Parent and Child	Family Foods	Women's Rights
Chemistry	Statistics	Women's Rights 1776-Present	Creative Writing	Customer Service Techniques	Leadership & Professionalism
First Aid & Safety Training	Microsoft Office I	Spanish I and II	Communications	Parent and Child	Parent and Child
Introduction to Health Occupations	AP Biology	Current Events	Leadership & Professionalism	Career & Technical Leadership	Career & Technical Leadership
General Anatomy & Physiology	Medical Technology	Environmental Science	Statistics	Athletic Enhancement	Psychology
Microsoft Office I	Human Biology	Sociology	Career & Technical Leadership	Hand-Eye Fitness	Sociology
AP Biology	Psychology	World Geography	Fall Outdoor Pursuits	First Aid & Safety Training	Microsoft Office I
Advanced Chemistry	Sociology	Microsoft Office I	Winter Outdoor Pursuits	Performance Enhancement	First Aid & Safety Training
Human Biology	Health Promotion & Wellness	Statistics	Microsoft Office I	Psychology	Communications
Psychology	General Anatomy & Physiology		Health Promotion and Wellness	Health Promotion & Wellness	World Geography
Sociology			Sociology	Human Biology	
				General Anatomy & Physiology	

Construction	Production	Engineering and Technology	Health, Safety and Environmental Management	Spanish
General Woodworking	Introduction to Manufacturing*	Geometry in Construction	Microsoft Office I	Spanish I, II, and III
Home Repair & Construction	CNC Machining & Turning	Pre-Calculus	Statistics	Spanish IV
Welding	Metals Manufacturing	Statistics	Chemistry	
Drafting	Engineering Applications	Chemistry	Environmental Science	
Advanced Woodworking	Drafting	Advanced Chemistry	First Aid & Safety Training	
Electricity	Welding	Physics	Current Events	
Drawing	Machine Tool	Drafting	World Geography	
First Aid & Safety Training	Woods Manufacturing	Electricity	Engineering Applications	
Geometry in Construction		Introduction to Manufacturing		
Woods Manufacturing		Engineering Applications		

CLASS CHANGES

Course offerings and teacher assignments are based upon the number of students registering for a particular course, changes in student schedules will be allowed in very few situations and then only when class size will permit. Allowing changes indiscriminately could result in the overcrowding of certain subject areas or even reducing the number in others too low to be offered for reasons of economics. Reasons for class changes may include failing a course, not meeting prerequisites, or switching career plans.

Schedule changes will be made prior to the start of the school year for all terms during the August drop/add period. Any additional schedule changes for any term can be made up until the start of the term for which the change is being requested. These changes will only be made if there is a legitimate reason for the change and will require signatures/approval from all teachers involved, parents, counselor, and principal. No one enrolled as a full-time student at Mishicot High School will be allowed to carry fewer than four contact hours per term.

NO student will be allowed to drop a class without permission of the counselor, principal, parent, and the teacher of the class involved after 2 days from the start of the class. Students dropping out of a class after the first two days of a term (even with such permission) will receive a grade of an "F" for that particular course.

The process for adding/dropping a class is as follows:

1. Obtain a program change request form from your school counselor.
2. Fill out the form completely.
3. Obtain signatures of all teachers involved in the changes.
4. Obtain parent's signature.
5. Obtain the principal's signature.
6. Turn the form into a school counselor.

****All 9th – 11th graders must be taking 2 credits each term. 12th graders need to take a minimum of 1.5 credits each term, with the possibility of being eligible for senior release.**

COURSE HANDBOOK TERMINOLOGY

- Advanced Placement (AP)** - Courses leading to examinations. A score of 3 or above on these examinations may earn a student college credits. Students are responsible for paying for the test fee.
- Elective Class** - A class that students can choose to take to fulfill graduation requirements.
- Online Class** - A class is completely delivered electronically using the internet and both student and instructor communicate via the computer.
- Prerequisite** - A class which is required before taking a more advanced course.
- Required Class** - A class that all students are required to take to meet graduation requirements.

COLLEGE CREDITS OFFERED IN HIGH SCHOOL

College Credit In High School (CCIHS)

The University of Wisconsin College Credit in High School program allows high school students to complete college and high school courses simultaneously on their high school campus. CCIHS classes are taught by a high school instructor who meets the criteria set by UW-Green Bay to teach their course. The cost of a CCIHS class is \$100 per college credit.



The Dual Enrollment Access Academy (DA)

The Academy provides high school students the opportunity to take an online course for both high school and college credit. These classes are taught by an instructor from UWGB through an online platform, while being facilitated by teachers at Mishicot High School. The credits earned may offer a jump start on a college degree early, saving money and time. Online courses in the Academy cost \$200 per college credit.



Transcripted Credits (TC)

Transcripted Credits are courses taught by MHS teachers for dual credits through Lakeshore Technical College. The grade you earn in the HS course will be the grade recorded on your college transcript. These credits may transfer to four-year colleges. The college or university reserves the right to determine how and if the credits will be accepted. These courses are offered free of charge.



MHS offers three transcripted courses through Fox Valley Technical College and two through Northeast Wisconsin Technical College.. These courses are taught by MHS teachers for dual credits through FVTC and NWTC. The grade you earn in the HS course will be the grade recorded on your college transcript. These credits may transfer to four-year colleges. The college or university reserves the right to determine how and if the credits will be accepted. These courses are offered free of charge.



Advanced Standing Courses (AS)

Advanced Standing courses are offered through an agreement with Lakeshore Technical College which allows students who receive a B or better in the class at MHS to earn credits at LTC. Students who are in programs that require these classes will not have to take them at LTC. These classes may be transferable to other technical colleges but not to universities. There is no LTC transcript for these classes.



STUDENT SERVICES RESOURCES

[Add/drop forms](#) - A document students must complete in order to add or drop a class.

Cooperative Education Program Information - Forms and information on a variety of Cooperative Education Programs including School-to-Work, Ag-Coop, and Youth Apprenticeship can be found in Student Services

Master schedule - A matrix of all classes available during the school year. A visual can be found outside of Student Services. This can be used when deciding which classes are available during a specific term and block.

[Scholarships](#) - Local scholarships and links to national scholarships can be found on the Mishicot High School Student Services webpage.

Academic Excellence Scholarship

Academic Excellence Scholarships (AES) are awarded to Wisconsin high school seniors who have the highest grade point average in each public and private high school throughout the State of Wisconsin. The number of scholarships each high school is eligible for is based on total student enrollment grades 9-12. In order to receive a scholarship, a student must be enrolled on a full-time basis by September 30th of the academic year following the academic year in which he or she was designated as a scholar, at a participating University of Wisconsin, Wisconsin Technical College, or independent institution in the state. The value of the scholarship is \$2,250 per year, to be applied towards tuition. Half of the scholarship is funded by the state, while the other half is matched by the institution. Eligibility must not exceed 8 semesters.

Technical Excellence Scholarship

Technical Excellence Scholarships (TES) are to be awarded by the State of Wisconsin to Wisconsin high school seniors who have the highest demonstrated level of proficiency in technical education subjects. The new TES scholarship program began awarding scholarships in the 2015-2016 college academic year. The scholarships are only for use at a school within the Wisconsin Technical College System (WTCS). The value of the scholarship is up to \$2,250 per year, to be applied towards tuition for six semesters.

Transcript requests - Students who need a transcript sent to a college or employer can make a transcript request using the form found in the Student Services Office or emailing Ms. Depas.

AGRICULTURE/AGRI-SCIENCE DEPARTMENT

9-12:	Beekeeping and Pollinators	Edible Forest, Health and Herbs	Food Science & Technology
	iCEV Online Courses	Natural Resource Management	Small Animal Science
	Introduction to Agriscience	Wildlife Management	
10-12:	Agribusiness Fundamentals	Floral Design & Management	Introduction to Horticulture
	Introduction to Soil Science	Landscape & Design	Large Animal Science
11-12:	Ag CO-OP	Mishicot Manager	

Ag. CO-OP

Grades: 9-12, Suggested 11-12

.5 - 2 Credits (One-Two Terms – **Elective**)

This class may be taken multiple times.

Prerequisite: Instructor's approval required – Application available in Student Services

Work-Based Learning

The Agricultural Cooperative Education Program combines school-based academic and occupational instruction with work-based learning with an employer. CO-OP students must master a majority of skills through a combination of work-based instruction and experience. Students will work in agribusinesses that support the animal or plant industries, including local farms, greenhouses, or our school greenhouse/floral business. The competency areas covered include sales, customer relations, marketing, technical assistance, communications, professional development, and animal/plant science. Core employability skills are also measured. Knowledge and skills gained through participation in FFA also apply toward the attainment of the skill certificate. Students will be required to track work hours, portfolio assignments, and competencies gained from the program.

Agribusiness Fundamentals

Grades: 10 – 12

.5 Credits (One Term – **Elective**)

Prerequisite Recommendation: Introduction to Business & Introduction to Agriculture

Work-Based learning

This course provides students with basic business management practices that include the development of a business plan, the establishment of short and long-range goals, the identification and implementation of alternatives for reaching goals, and the development of strategies to monitor progress. This is a perfect class for any student going into a business and/or agriculture career. Hands-on learning aligns this class with local business through the use of student SAE (supervised agricultural experiences). Students will develop a school-based business in class.

Beekeeping and Pollinators

Grades: 9-12

.5 Credits (One Term - Elective)

NWTC Course #10-090-118, 1 credit

Bees pollinate our crops and orchards; they are an environmental quality indicator species and they provide honey. Explore beekeeping using onsite hives; explore pollinators and habitats, and network with local beekeepers.

This hands-on class will use our school land lab to teach you basic skills to start or enhance your own native gardens, or pollinator habitats while maintaining our school hives and earning credit through NWTC.

New Course for 2024-2025 School Year

Edible Forest, Health and Herbs

Grades: 9-12

.5 Credits (One Term - Elective)

Suggested Prerequisite: Introduction to Agriscience

NWTC Course # 10-090-130, 2 credits

Sustainability and preservation are the focus in this hands-on agriscience course focused on edible forest health, foraging, herbs, and native plant use.

Explore various herbs and forest products including their unique properties, role in history, medicine, food and other traditional uses. Examine growing practices, harvest, and preservation. Make organic preparations; i.e., tea, salads, infusions, preservations, tinctures, and salves. Runs every other year, next offered 2024-2025.

New Course for 2024-2025 School Year



Floral Design & Management

Grades: 10-12

.5 credit (One Term – **Elective**)

Prerequisite: Introduction to Horticulture

Work-Based learning

To be prepared for careers and hobbies in design, students need to develop skills and knowledge regarding career opportunities, design, and management. This course covers principles of floral art with an emphasis on design. Topics include basic design styles and color harmonies; identification, use, and care of the processing of cut flowers and foliage; mechanical aids and containers; personal flowers; holiday designs; and plant identification and care. The student will gain first-hand experience working in design through our school-based floral business. This hands-on class is perfect for anyone with a plant, business, and/or design interest.

Food Science & Technology

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite Recommendation: Introduction to Agriscience

Interested in learning about the science behind the food? This course addresses the processing of “turning raw farm products” into finished foods ready for the consumer to prepare and eat at home. Students will practice food processing and preservation techniques, develop new food products and investigate all sectors of the food science industry while working in a hands-on lab setting. Students will obtain a vast knowledge of the science behind how different foods get from “the field to the fork”.

iCEV online courses

Grades: 9-12

.5 credit (One Term – **Elective**)

Prerequisite: Instructor’s Approval

This would be a personalized career readiness course to allow students more course offerings similar to Edgenuity online courses that the district uses. However, Edgenuity has a few CTE offerings included in our subscription that focus only on business and health (no FACS, Ag or Tech Ed) Where iCEV focuses on CTE offerings and each course is backed by an industry certification. This has been used for students who are already meeting expectations to continue to challenge them, for Youth Apprenticeship and Ag-Coop students to expand their skills, and for Career Development Event Teams. Expect a hybrid of online and task based learning.

Introduction to Agriscience

Grades: 9-12

.5 Credit (One Term – **Elective**)

Introduction to Agriscience will introduce students to the diverse world of agriculture. Today, agriculture provides us with many things like the food we eat, the clothes we wear, and the jobs that many of us have. Students will explore animals, plants, food technology, careers, and leadership through hands-on activities and group settings. Students will work on a term-long supervised agricultural experience which will carry over to future agriculture classes. Any student interested in taking agriculture classes should start with this course to set a foundation that other classes will build on.

Introduction to Horticulture

Grades: 10-12

1.0 Credit (Two Terms – **Elective**)

Can count for 1 Mishicot High School science credit

Prerequisite Recommendation: Introduction to Agriscience & Biology

Work-Based Learning



The world of horticulture is one of the largest growing areas of agriculture. This Horticulture class will deal with many areas associated with the production of greenhouse plants and landscaping. After a review of basic plant science, coursework will include forms of plant propagation, and raising of plants for ornamental, greenhouse, and landscaping purposes. Beyond the production of plants, the student will look at the areas related to strong plant growth. Specific course topics will be covered including pest management, growth regulation, and greenhouse management. Students will be working hands-on in our greenhouse, and community garden, and exploring floral design.

Transcribed with Fox Valley Technical College 3 Credit Class

Introduction to Soil Science

Grades: 10-12

.5 Credit (One Term – **Elective**)

Next offered 2024-2025 (opposite Landscape and Design)

Prerequisite: Introduction to Agriculture



Focuses on the fundamentals of Soil Science as it relates to modern agriculture industry practices and techniques. Students will have the opportunity to earn transcribed credits toward their respective education/career plans. This class provides fundamental knowledge of soils and growth media. Course topics include soil formation and development, soil components, soil profile, soil classification and soil conservation. Students will experience soil concepts through the completion of hands-on activities. Emphasis will be placed on establishing safe, hazard-free learning environments. Employability skills will be fostered through a variety of methods including, but not limited to, hands-on applications, collaborative projects, student presentations, research inquiries, and guest speakers. Organization skills, as well as record keeping, will be emphasized through the in-class binder portfolio, and the SAE Record Book.

Transcribed with Fox Valley Technical College 3 Credit Class

Landscape and Design

Grades: 10-12

1 Credit (Two Terms – **Elective**)

Next offered 2025-2026 (opposite Soil Science)

Recommended: Encouraged to take Introduction to Agriscience and Introduction to Horticulture

Work-Based Learning

This advanced course focuses on the landscape design industry. Units of student instruction include: identifying landscape plants, designing landscape plans, and installing a variety of landscape plants and plans. Students will be given the opportunity to develop plans and installations for the Mishicot School District as well as other community contract properties. Supervised Agricultural Experiences (SAEs) are integral components of this course, students are required to maintain an SAE during the course.

Large Animal Science

Grades: 10-12

1.0 Credit (Two Terms – **Elective**)

Can count for 1 Mishicot High School science credit

Prerequisite: Intro to AgriScience and Biology Strongly Recommended



Livestock production is an important part of agriculture in Wisconsin. People are dependent on livestock for production for supplies of food and clothing. Dairy, beef cattle, sheep, goats, poultry, and other exotic animals have been domesticated by man to provide these commodities. The production of this livestock, including selection breeding, feeding, husbandry, and showing, will be examined. This class is strongly recommended for students with an interest in animals and animal or human health-related fields, as we discover how each system of the animal body functions via labs.

Transcribed with Fox Valley Technical College 3 Credit Class

Mishicot Manager

Grades: 11-12

1 Credit (Year-long Skinny - **Elective**)

Prerequisite: Instructor Approval

What better way to learn about entrepreneurship, marketing, management, finance, and hospitality than to actually operate a business? That's what our student managers get to do when they run an actual business in our school. Managers from Mishicup, FFA Floral and Mishicot Enterprise, and the School Store will work together in a hybrid class setting. One to two days per week students will learn about customer service and management while going through the Wisconsin Department of Public Instruction Employability Skills Certification. The other three days each week in class are an entrepreneurship laboratory working in their respective school-based business. The educational and financial results are real in this school-based enterprise!

Natural Resource Management

Grades: 9-12

.5 Credit (One Term – **Elective**)

Next offered 2024-2025 (Opposite Wildlife Management)

Prerequisite: Intro to Agriscience

Agriculture is directly tied to our environment. Natural Resources Management is essential for students interested in wildlife, forestry, and the environment we live in. Topics will include management practices of Wisconsin's wildlife where students will begin identifying wildlife in our school forest and learning about how to maintain a healthy population. Other topics will focus on advanced forestry techniques, energy conservation, outdoor recreation, and survival methods. Invasive species and conservation will be important topics of interest. Labs, work in our school forest/M.E.C.C.A. trail, and guest speakers will be used to enforce learning.

Small Animal Science

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: Intro to Agriscience

This course will explore a selection of companion animals including cats, dogs, gerbils, rabbits, and chickens in regard to feeding, reproduction, health, and behavior. Students will work, hands-on, with animals in the classroom and perform labs related to animal health and care. Students will learn basic care, handling, and safety related to veterinary science. This course is strongly recommended for students pursuing health-related careers or intending to be animal owners.

Wildlife Management

Grades: 9-12

.5 Credit (One Term – **Elective**)

Offered 2025-2026 (Opposite Natural Resources)

Prerequisite: Introduction to Agriscience

If you enjoy the outdoors and animals of the outdoors, this is the class for you! Wildlife is a very important part of our natural world. This course explores the history of wildlife, their populations, habitats, diseases, and protection. Units will also include hunting and fishing basics. Topics will include a detailed look at many big and small game species native to the United States, endangered species, and the devastation of species in other countries. Units will also include quality deer management, Wisconsin's hunting, and fishing industry. Ethics, regulations, and citizen responsibilities will also be discussed. Each student will conclude the class with a panfish taxidermy project.

ART DEPARTMENT

9-12:	Publications	Art Foundations	Design Foundations
	2 Dimensional Art	3 Dimensional Art	Modern Arts and Crafts
	Computer Art	Drawing	
10-12:	Photography	Ceramics	Advanced Ceramics
	Advanced Drawing	Advanced Painting	
11-12:	Art Portfolio		

Publications

Grades: 9-12

1 credit (Two Semesters -- **Elective**)

Students should anticipate taking this course all school year.

This class may be taken multiple times. (This course is offered as a skinny.)

Work-Based Learning

Have an impact on how memories are recorded! Students in Publications will be responsible for the production of the yearbooks and graduation program. This class focuses on photography, page layout, and computer design. Students in this course will work both independently and as a team in creating memories that last a lifetime.

Art Foundations

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: None

This is an introductory course with special emphasis on the elements and principles of design: color, line, shape, space, texture, value, form, contrast, unity, rhythm, variety, emphasis, balance, movement, and repetition. Students are assigned problems in both two-dimensional and three-dimensional mediums that encourage imaginative solutions and critical thinking.

Design Foundations

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: Art Foundations

This course focuses on problem-solving in the area of design. Students will receive several problems that need to be solved using their knowledge and skill as an artist in both the 2-dimensional and 3-dimensional forms. These problems deal with spatial areas in an architectural format, packaging, logos, and experience design. The prerequisite for this course is Art Foundations. This course may also be taken concurrently with any studio course providing the student has already taken Art Foundations.

2 Dimensional Art

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: Art Foundations

2 Dimensional Art will explore painting, drawing, and printmaking. Students will learn to work in a large range of media including but not limited to; ink, pencil, marker, linoleum, color pencil, charcoal, pastels, and acrylic. Art Foundations should be taken prior to or while enrolled in this course.

3 Dimensional Art

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: Art Foundations

3 Dimensional Art will introduce students to the basic techniques used in ceramics as well as other sculptural materials used to create 3-dimensional designs. Concepts will be explored through materials like clay, plaster, and found objects.

Modern Arts and Crafts

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: None

This course will explore several modern craft movements looking at their world origins. Students will have a chance to explore glass design, rug, paper, soap making, and more.

Computer Art

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: Art Foundations

Next offered 2025-2026

This course provides students with simulated actual on-the-job problems that graphic artists and filmmakers may encounter. Students work on developing a team ethos, responsibility to time, and multimedia vocabulary. Students will be able to prepare a portfolio of work and presentations for prospective colleges or employers.

Photography

Grades: 10-12

.5 Credit (One Term – **Elective**)

Prerequisite: None

Next Offered: 2025-2026

This course gives students the opportunity to have instruction on operating a camera, recording visual images using a SLR 35mm camera as well as digital cameras. Darkroom skills for creating B/W images will be developed. Strong emphasis on composition as well as Photoshop skills will be pursued.

Drawing

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: Art Foundations, 2D Design

Offered Every Year

This basic drawing course includes drawing techniques in a variety of black/white and color media. Special emphasis is given to the analysis of the line, shape, form, structure, value, texture, pattern, perspective, and the fundamentals of composition, working from nature, figures, still life, and architectural objects as a basis for the expression of pictorial ideas. The discipline of collecting and organizing thoughts, ideas, and images is emphasized through the use of a sketchbook.

Ceramics

Grades: 10-12

.5 Credit (One Term – **Elective**)

Offered Every Year

Prerequisite: Art Foundations and Design Foundations and 3D Art

Students will receive a broad scope introduction to all of the basic methods and techniques of working with clay. The course will progress from a survey of ceramic past to contemporary design and function, clay and its properties, hand-built to wheelwork, glazing, and kiln firing.

Art Portfolio

Grades: 11-12

.5 Credit (One Term – **Elective**)

Prerequisite: One Advanced Art Studio class & instructor's approval

Next Offered: 2025-2026

This course is designed for the serious student who is considering a career in art. This course will allow you to work independently on developing a portfolio for interviews. Ideally a second semester Junior or 1st-semester Senior will want to take this class.

Advanced Ceramics

Grades: 10-12

.5 Credit (One Term – **Elective**)

Prerequisite: 3 Dimensional Art and Ceramics with instructor's approval

Advanced Ceramics is for the students who have taken 3D Art and Ceramics. The students will work on developing his/her skills to higher standards. The course is an independent course and the students will work on their own or with teachers' assistance.

Advanced Drawing

Grades: 10-12

.5 Credit (One Term – **Elective**)

Prerequisite: Drawing Studio and 2 Dimensional Art; with instructor's approval

Advanced Drawing is designed for students who have taken drawing and wish to continue working on developing their skills. Students will be working independently with teacher guidance. Students need to be self-motivated. Special areas for further development include perspective drawing, life drawing, and problem-solving spatial issues.

Advanced Painting

Grades: 10-12

.5 Credit (One Term – **Elective**)

Prerequisite: 2 Dimensional Art with instructor's approval

Advanced Painting is for students who wish to continue developing their painting skills. You must have taken 2D Art. Special emphasis will be given to painting from natural objects and still life. This is designed as an independent course.

Business & Information Technology

9-12:	Computer Science Principles	Introduction to Business	Math with Business Applications
	Microsoft Office Level I	Personal Finance	
10-12:	Accounting I	Marketing	Microsoft Office Level II
	Programming Introduction	Web Development I	
11-12:	Accounting II	Advancements in Web Design and Development	

Accounting I

Grades: 10-12

1 Credit (Two term – **Elective**)

Accounting is the language of business; the process of recording, analyzing, interpreting, and reporting financial information used by managers and owners of businesses. After completing this course, you will have a major advantage when taking college accounting and possess the skills necessary for entry-level accounting and bookkeeping careers. Knowledge of accounting is a crucial component for any student who will choose entrepreneurial ventures and small business ownership.

Advanced Standing credit through Lakeshore Technical College

Accounting II

Grades: 11-12

1 Credit (Two term – **Elective**)

Prerequisite: Accounting I

Accounting II goes beyond the journalizing of Accounting I and gets more into how businesses use accounting information to make decisions. Topics include accounting for a merchandising business organized as a corporation, adjustments and valuation, accounting for partnerships, recording international and internet sales.



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Advancements in Web Design and Development

Grades: 11-12

.5 Credits (One term – **Elective**)

Prerequisite: Web Development 1

Advancements in Web Design and Development is building on the competencies from Web Development I and introduces students to additional web-related topics such as usability, web analytics, and search engine optimization.

Transcribed credit through Lakeshore Technical College

Information Technology, College Here & Now - LTC

Computer Science Principles

Grades: 9-12

.5 Credit (One Term – **Elective**)

Looking for creative thinkers! Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Computer Science is more than coding. Topics studied throughout the course include the Internet, big data and privacy, and programming and algorithms.

Introduction to Business

Grades: 9-12

.5 Credit (One term – **Elective**)

This course provides an introduction to the world of business from both the organizational and managerial viewpoint. It examines areas of business including the business environment, business formation, planning, operations, accounting, marketing, human resource management, and building effective teams.

Transcribed credit through Lakeshore Technical College

Marketing

Grades: 10-12

.5 Credit (One term – **Elective**)

Suggested Prerequisite: Microsoft I and Intro to Business

This course introduces the students to the consumer decision process model, the basis used to segment a market, basic concepts about goods, services, and ideas, the nature of supply chain and distribution, integrated marketing communications, and the stages of the product life cycle and their impact on the marketing mix.

Transcribed credit through Lakeshore Technical College



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Math with Business Applications

Grades: 9-12

.5 Credit (One term – **Elective**)

Business Math provides comprehensive coverage of personal and business-related mathematics. This course covers utilizing real numbers and basic operations in consumer/business applications, solving percentage, simple interest, compound interest, and annuity problems, applying math concepts to the purchasing/buying and selling process, and interpreting basic statistics. Business Math prepares students to be smart shoppers, informed taxpayers, and valued employees.

Advanced standing credit through Lakeshore Technical College (with Juza)

Transcribed credit through Lakeshore Technical College (with Krause)

Information Technology Pathway, College Here & Now - LTC

Microsoft Office Level I

Grades: 9-12

.5 Credit (One term – **Elective**)

Microsoft Office Level I introduces the student to the Microsoft Office Suite. We will learn Microsoft Word word-processing features such as creating, saving, editing, formatting, and printing documents; creating basic diagrams, and applying these concepts to produce usable documents. Microsoft Office Level I also introduces the student to Microsoft Excel features such as creating, modifying, and formatting worksheets; entering formulas and functions; working with charts; and developing multiple-sheet workbooks. Introductory concepts of PowerPoint presentation and Access data-based software are also covered.

Transcribed credit through Lakeshore Technical

****NOTE: Successful completion (C or better) of Microsoft Office I will earn students the Lakeshore Technical College Introduction to Microsoft Certification.**

Microsoft Office Level II

Grades: 10-12

.5 Credit (One term – **Elective**)

Prerequisite: Microsoft Office Level I

Microsoft Office Level II prepares the student to work in Microsoft Word with multi-column documents, templates, and the mail merge feature while applying WordArt, Themes, Styles, and other advanced document formatting features. Concepts of Microsoft Excel also prepare the student to create templates, work with PivotTables and PivotCharts, insert hyperlinks, sort, and filter tables, apply subtotals, integrate Excel with other programs, write formulas referencing multiple worksheets, and use complex functions.

Advanced PowerPoint and Access concepts are also covered.

Transcribed credit through Lakeshore Technical College



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Personal Finance

Grades: 9-12

.5 Credit (One term – **Elective**)

Personal Finance is a course studying personal and family resources considered important in achieving financial success which involves how people spend, save, protect, and invest their financial resources. Topics covered include budgeting and money management, banking and credit, saving and investing, and strategies for protecting financial resources. A solid understanding of personal finance topics will offer you a better chance of success in facing the financial challenges, responsibilities, and opportunities of life.

Programming Introduction

Grades: 10-12

.5 Credit (One Term – **Elective**)

Programming Introduction introduces the students to the programming process. Students will start with designing programs using flowcharts and progress to using programming code to create programs that use variables, data types, decisions, loops, arrays, and functions.

***Transcribed Credit through Lakeshore Technical College
Information Technology Pathway, College Here & Now - LTC***

Web Development I

Grades: 10-12

.5 Credit (One Term – **Elective**)

Web Development I introduces the students to web page design principles and proceeds to teach students how to create their own visually appealing designs for the web. Students will have hands-on experience using current versions of Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) to code and format accessible, valid, and optimized web sites. Websites will be published live on the web using FTP. Students also explore recent trends in web design and development.

***Transcribed credit through Lakeshore Technical College
Information Technology Pathway, College Here & Now - LTC***



ENGLISH DEPARTMENT

Freshman-	English 9*			
Sophomore-	English 10*	R & I*		
Junior-	English 11*	or	College English I*	
Senior-	English 12*	or	College English II* (prerequisite College English I)	or
	Written Comm*	or	College English I*	
Electives-	Communications	or	Creative Writing	

College English I

Grades: 11-12

1.0 Credit (Two Terms -- Must take this class or English 11 to fulfill 11th-grade English credit)

WF 100: 3 College Credits

ENG 104: 3 College Credits

UWGB Total Credits: 6

Prerequisite: Junior or Senior standing

Recommendations for success: Earned a B or higher in English 10 and discussion with school counselor.



UNIVERSITY of WISCONSIN
GREEN BAY

This course is offered through dual credit. Besides the regular high school credits students will receive from taking the class, they will also be eligible to receive six (6) college credits from the University of Wisconsin-Green Bay. The first term of this course is Writing Foundations 105, which places an emphasis on the writing process and techniques used in academic writing, including sentence structure, punctuation, grammar, and usage as needed. Students who take this course will work on finding their writer's voice and developing the confidence required to complete writing projects in any four-year university-level course. This course also emphasizes locating, evaluating, integrating, and citing sources. The second term of this course is English 104, which is literature-based. Through reading, students will explore the distinctive characteristics of poetry, drama, short stories, and novels. Students will gain an appreciation and enjoy literature ranging from classic to contemporary.

CCIHs through UWGB *If taking for college credit, additional course fees apply.

College English II

Grade: 12

1.0 Credit (Two Terms -- Must take this class, College English I, Written Communications or English 12 to fulfill 12th-grade English credit)

WF 105: 3 College Credits

ENG 264: 3 College Credits

UWGB Total Credits: 6

Prerequisite: Senior standing

Recommendations for success: Earned a C or higher in College English I and discussion with school counselor.



This course is offered through dual credit. Besides the regular high school credits students will receive from taking the class, they will also be eligible to receive six (6) college credits from the University of Wisconsin-Green Bay. The first term of this course is Writing Foundations 105, which provides further instruction and practice in the rhetorical techniques and types of writing covered in Writing Foundations 100 (taken during College English I), but with greater emphasis on rhetorical and critical analysis; may also include elements such as original research and the conventions of writing for specific academic communities. The second term of the course is English 264, which builds upon the skills from English 104 from College English I. This literature portion of the course is an introductory study of topics through British literature, focusing on monsters and rebellion.

CCIHS through UWGB *If taking for college credit, additional course fees apply.

Communications

Grades: 11 & 12

.5 Credit (One Term – **Elective**)

COMM 166, UWGB: 3 Total Credits

Prerequisite: Completion of Research and Inquiry

This communication class allows students to earn 3 college-level communication credits. The main focus is on interpersonal communication. Students will learn principles of personal interactions as a basis of communication, including the role of communication in interpersonal relationships, the role of identity and self-concept in communication behavior, and the significance of information reception and evaluation in the effectiveness of communication. Students will participate in projects, presentations, and written reflections.

CCIHS through UWGB *If taking for college credit, additional course fees apply.



Creative Writing

Grade: 9-12

1.0 Credit (Two Terms - **Elective**)

Prerequisite: None

In this course, students will survey a variety of creative writing genres, including creative nonfiction, poetry, fiction, drama, and multimedia writing. Students will use the writing process to evaluate and analyze their own work as well as the work of others. In addition, students will read a variety of creative texts and will apply that knowledge to their writing. Learning activities include, but are not limited to, reflective journals, reading, discussing, writing, self-evaluative assignments, and writing games. After each unit, students will have created a finished written work/project. At the end of the course, students will have developed a writing portfolio to showcase his/her learning development and finished works.

English 9

Grade: 9

1.0 Credit (Two Terms - **Required**)

Prerequisite: None

In this course, students will develop proficiencies in reading, writing, literary analysis, grammar and usage, vocabulary, oral communication, and research. Students explore the overarching theme through the study of fiction and non-fiction literature. Through their reading and inquiry, students are introduced to various stylistic techniques, which help them learn strategies to improve their reading, writing, listening, and speaking skills. Students write in MLA format in multiple genres throughout the year, including narrative, expository, and argumentative, which is a framework for critical thinking. Authentic class discussion plays a vital role in enhancing their literacy skills. This holistic approach to literacy learning introduces students to the benefits of reflecting and learning to think deeply about the ways they interact and communicate with the world around them.

English 10

Grade: 10

1.0 Credit (Two Terms - **Required**)

Prerequisite: Completion of English 9

This course emphasizes a collaborative approach to creating self-directed learners who will use a variety of thinking strategies to analyze, understand, and create text for multiple purposes: personal enrichment, inquiry, and problem-solving. In this course, students continue to develop their proficiencies in reading, writing, literary analysis, grammar and usage, and research. Students read and write to collect, analyze, and synthesize information, as well as cite specific evidence with MLA format in response to narrative texts, mythology in words and art, transcending themes in literature, and historical fiction. Students will further develop their abilities to formulate questions, construct and critique arguments, make informed decisions, and change perspectives and thinking. Students will study various literary forms to analyze themes, read and respond to informational texts, use inquiry to promote social awareness, write for change, and study informational texts. This will give students the necessary skills to be successful in the upper-level literature and writing courses they will take as juniors and seniors.

English 11

Grade: 11

1.0 Credit (Two Terms – **This course or College English I is required for all Juniors**)

Prerequisite: English 10

In this course, students will develop critical reading, writing, speaking, and listening skills imperative to 21st-century learning. Emphasis will be placed on developing an inquisitive stance while reading, writing, and discussing increasingly complex pieces of text. Students will encounter a wide range of literature and informational texts, with a focus on American authors. Students will write using MLA format in the modes of narrative, argumentative, and informational. In addition, students will use multiple types of technology to produce and present ideas. Ongoing instruction in grammar, vocabulary, and ACT test prep is embedded in all modules of the curriculum.

English 12

Grade: 12

1.0 Credit (Two Terms – **Must take this class, College English I, College English II, or Written Communication to fulfill 12th grade English Credit**)

Prerequisite: English 11 or College English I if taken as a junior

This course engages in a survey approach to reading and writing. Students will gain a deeper understanding of the historical context of world literature and be asked to relate their worldview with the perspectives of others. Throughout the course, students will be expected to continue to develop their knowledge of literary terms related to fiction and nonfiction texts. This course is a comprehensive class in which students will use the writing process to develop and produce literary responses, essays, and research papers in MLA format focusing on the Common Core State Standards. Writing will be supported by grammar usage and vocabulary instruction to create sophisticated expressions of analytical interpretation in written form.

Research & Inquiry

Grade: 10

.5 Credit (One Term – **Required**)

Prerequisite: Sophomore Standing

This course emphasizes the development of speaking, listening, reading, and writing. Topics included in the course are public speaking, the communication process, listening, interpersonal communication, researching, outlining, grammar, and vocabulary. MLA format is used to document sources cited within presentations. Technology integration is emphasized with group presentations and individual speeches in order to prepare students with 21st-century skills.

Advanced Standing through Lakeshore Technical College

Written Communication

Grade: 12

1.0 Credit (Two Terms – **Must take this class or English 12 or College English 2 to fulfill 12th grade English Credit**)

Prerequisite: Completed required English credits Freshman, Sophomore, and Junior year.

This course assumes competence at the high school level in writing coherent, effective, well-organized, and grammatically correct texts. The objective of Written Communication is to help students refine their strategies for communicating ideas clearly and to deepen student understanding of how they must adapt their strategies to fit a variety of writing structures, purposes, and audiences. Students will engage in weekly grammar and writing assignments completed at college-level standards and proficiencies. Students will also be offered opportunities to prepare for skills assessed on the ACCUPLACER exam. Students taking this class may be eligible to earn transcribed credit through Lakeshore Technical College by maintaining a semester average of a C or higher. Placement recommendations for this course include students interested in earning technical college credit, students able to maintain the rigor of weekly writing assignments and quizzes, and students interested in or who need to take the ACCUPLACER exam for technical college application.

Transcribed Credit through Lakeshore Technical College

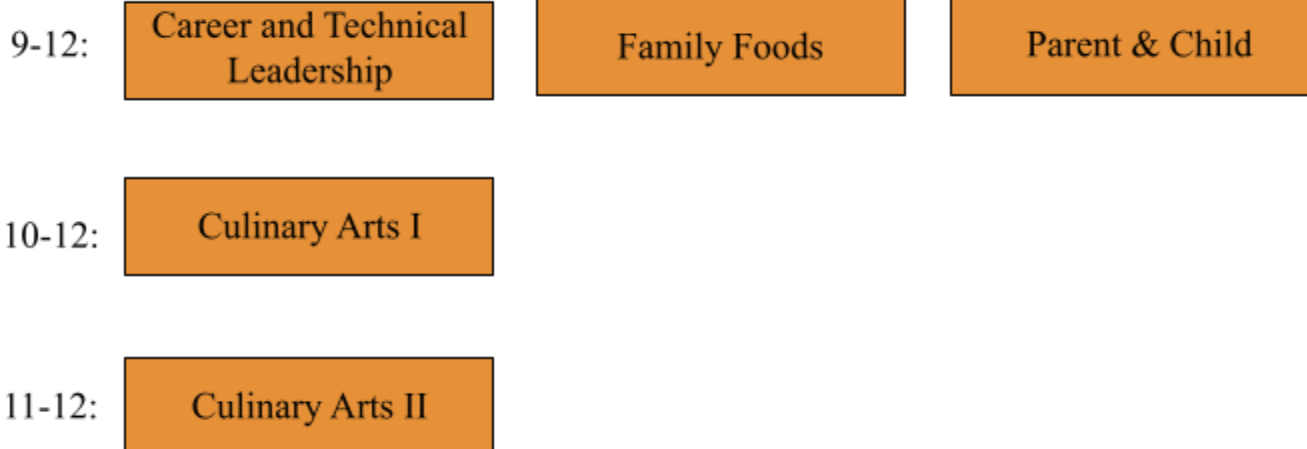


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FAMILY AND CONSUMER SCIENCES DEPARTMENT



Culinary Arts I

Grades: 10-12

.5 credit (One Term-Elective)

Prerequisite: Family Foods

The purpose of this course is to enhance your knowledge about the basics of the culinary world including health and safety standards in the restaurant industry, knife skills, and proper cuts and mother sauces. Not only will you obtain skills that can be used throughout your lifetime, but the class will help prepare you for a future in the Hospitality and Tourism Field, Health Sciences/Nutrition Field, and /or the Food Service Industry.

Culinary Arts II

Grades: 11-12

.5 credit (One Term – **Elective**)

Prerequisite: Family Foods and Culinary Arts I

This course will concentrate on the service area. You will learn how to coordinate and plan a restaurant and complete catering services for the public. We will turn our class into the restaurant of your choice. Advanced techniques in food preparation and service will be taught. If you are interested in food production, or hospitality, and tourism as a career or just a summer job in the restaurant industry this class is for you.

Career and Technical Leadership

Grades: 9-12

.5 credit (One Term – **Elective**)

CTE (career and technical education) Leadership allows each student who loves learning in a hands-on and reflection-based way to thrive! Develop your own leadership skills to use in your future CTE classes as well as your future career. From evaluating leadership effectiveness and organization requirements, individual and group motivation strategies, implementing mission and goals, ethical behavior, personal leadership style and adaptation, impacts of power, facilitating employee development, coaching, managing change, and effective conflict resolution.

Family/Foods

Grades: 9-12

.5 Credit (One Term – **Elective**)

Join in and explore ways to make foods healthier and more nutritious. We will explore the six essential nutrients and their effect on your body. We will also explore special diets and learn how to incorporate nutrition information into our everyday lives. This class is beneficial to any student considering careers in health sciences, food preparation, or just for your own personal knowledge.

Parent & Child

Grades: 9-12

.5 Credit (One Term – **Elective**)

In this course, students will focus on the importance of the relationship of family as well as the development of infants, toddlers, preschool, and early elementary-age children. Students will work individually and in cooperative learning groups to explore the social, emotional, physical, and cognitive development of each age group of children from birth through middle childhood. Each student will plan developmentally appropriate activities for young children and maintain a portfolio to showcase their acquired knowledge and skills.

MATHEMATICS DEPARTMENT

Freshman-

Algebra I*

Sophomore-

Geometry*

Junior-

Algebra II*

Electives-

Pre-Calculus

or

Calculus

or

Geometry in Construction

or

Statistics

or

Technical Math

Algebra I

Grade: 9

1.0 Credit (Two Terms - **Required**)

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of the Algebra I that has generally been offered. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students further engage in methods for analyzing, solving, and using quadratic functions. The Standards for Mathematical Practice apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem solutions.

Algebra II

Grades: 10-12

1.0 Credit (Two Terms – **Required**)

Prerequisite: Geometry

This course focuses on finding connections between multiple representations of functions, transformations of different function families, and zeros of polynomials. Students will connect them to graphs and equations of polynomials, modeling, periodic phenomena with trigonometry, and understand the role of randomness and normal distribution in making statistical conclusions.

Calculus

Grade: 12

1.0 Credit (Two Terms – **Elective**)

Prerequisite: Pre-Calculus

Calculus AB is primarily concerned with developing the student's understanding of the concepts of calculus and providing experience with its applications and methods. The course will emphasize a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Technology will be used regularly by students to reinforce the relationships among the multiple representations of functions, to confirm written work, and to assist in interpreting results.

Geometry

Grades: 9-11

1.0 Credit (Two Terms – **Required**)

Prerequisite: Algebra I

This course focuses on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concept of formal proof, exploring the properties of two-and-three-dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events.

Geometry in Construction (GIC)

Grade: 10

1 Credit Math and 1 Credit Elective (Four Terms, one block all year)

Prerequisite: Algebra I

In this Geometry in Construction (GIC) course, students will be exposed to construction careers such as engineering, architecture, construction management, interior design, landscape architecture, and surveying. Students will learn safety, problem-solving, tool use, drawing interpretation, and understand the interrelation of geometry in construction. Students will use coordinate geometry in the study of area, perimeter, volume, transformations, congruence, and functions. Students will be taught by a math and technology education teacher so that students experience the connections between construction and geometry. GIC requires the mastery of core concepts and ideas from Algebra 1.

Pre-Calculus

Grades: 11-12

1 Credit (Two Terms – **Elective**)

Prerequisite: Algebra II with a minimum of a C average

Pre-Calculus develops the skills you will need for college mathematics, in particular Calculus, by building on your learning from Algebra 2 and Geometry. The course will focus on the study of polynomial, exponential, logarithmic, polar, and trigonometric functions, as well as limits, area, and slope that are essential building blocks for derivation and integration. These concepts will be studied using technology, group work, problem-solving, collaboration skills, projects, and daily assignments.

Statistics

Grades: 11-12

.5 Credit (One Term – **Elective**)

Prerequisite: Algebra II

This class is designed for the student who has completed the Algebra II course. Its purpose is to expose upper-level mathematics students to college-level statistics. This course is an overview of statistics and covers descriptive statistics, probability, discrete probability distributions, and normal probability distributions. Students are also introduced to statistical functions on the graphing calculators.

Technical Math

Grades: 11-12

1 Credit (Two Terms - **Elective**)

Prerequisite: Algebra 1 and Geometry and teacher recommendation

Technical Math topics include: solving linear equations; graphing; percent; proportions; measurement systems; computational geometry; right and oblique trigonometry; and trigonometric functions on the unit circle. Emphasis will be on the applications of skills to technical problems. This course is an alternative to Algebra 2 and is aimed toward those going to technical college/workforce.

MUSIC DEPARTMENT

9-12:

Choir

Soundwave

Symphonic Band

Choir/Symphonic
Band

Concert Choir

Grades: 9-12

1 Credit (Two Semesters – **Elective**)

Students should anticipate taking this course all school year.

This class may be taken multiple times. (This course is offered as a skinny.)

The Concert Choir is a performing ensemble that rehearses daily and is open to all students. Students will have weekly lessons which will cover a variety of musical skills including, vocal technique, rhythmic skills, sight-singing, and music theory. The Concert Choir sings music that represents various time periods and styles of music to explore how music has developed and changed over time. In addition to this, students learn basic vocal health care and the mechanics of singing. Concert Choir shares a time slot with Band so students in both ensembles would attend every other day. The fall musical is a required performance for all choral ensemble members.

ATTENDANCE AT SCHEDULED PERFORMANCES AND MUSICAL ARE REQUIRED.

Exploring Theatre I, II, III

Grades: 9-12

.5 Credit (One Term – **Elective**)

This class may be taken multiple times.

Exploring Theatre covers a wide range of topics and is designed for students who enjoy being creative and thinking on their feet. Some of the most important skills employers are looking for today include the ability to communicate effectively, be self-motivated, and work productively in a group setting. Through the use of group projects, set building, and fun improvisational games and techniques, these skills are taught in Exploring Theatre. As you become more comfortable and confident with your technical theater and acting skills, you can re-take this course up to 3 times! Each time you take it, course content will become more advanced to allow you to fully explore your capabilities, and the projects are constantly changing to fit the needs of our performing arts program. Projects will include, but are not limited to: set design and construction, stage lighting and sound, basic to advanced acting tools, monologue preparations, skit presentations, and writing, directing, and acting. Most of the projects are student-led based on class interest.

Sound Wave

Grades: 9-12

1 Credit (Two Semesters – **Elective**)

Students should anticipate taking this course all school year.

This class may be taken multiple times. (This course is offered as a skinny.)

Sound Wave is an auditioned performing ensemble, which rehearses daily. Auditions are held in January. Students must be involved in a choral ensemble the year prior to auditioning for this ensemble, or have instructor approval to audition. Students must showcase advanced skills in music performance and music theory. Performances will include but are not limited to: Concerts, the Fall Musical, Solo and Ensemble, and various community functions. Students will learn performance techniques for various genres of music – Jazz, Pop, Swing, etc. The fall musical is a required performance for all choral ensemble members.. **ATTENDANCE AT SCHEDULED PERFORMANCES IS REQUIRED.**

Symphonic Band

Grades: 9-12

1 Credit (Two Semesters – **Elective**)

Students should anticipate taking this course all school year.

This class may be taken multiple times. (This course is offered as a skinny.)

Symphonic Band is a performing ensemble that rehearses daily. The material covered is chosen to present members with a well-rounded experience in relation to history, style, and form of music. Students will self schedule lessons which will cover band music and other aspects of performance music. The Symphonic Band will represent our school as a marching band and pep band during fall and winter sport seasons. **ATTENDANCE AT SCHEDULED PERFORMANCES IS REQUIRED.**

PHYSICAL EDUCATION DEPARTMENT

9-12:	Athletic Enhancement I	Athletic Enhancement II	Fit for Life
	Introduction to Weightlifting		
10-12:	Hand-Eye Fitness		
11-12:	Athletic Enhancement III	Fall Outdoor Pursuits	Winter Outdoor Pursuits

Students need to have 1.5 credits to fulfill graduation requirements from the courses listed below. No specific course is a requirement; they may be mixed and matched.

Athletic Enhancement I

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisites: Intro to Weightlifting or Teacher Approval

The course will emphasize improving speed, agility, change of direction, explosiveness and strength to help our student-athletes become more well-rounded athletically. Students will work in both the weight room and physical education gyms for their workouts. Students should come prepared to work hard and become the best athletic version of themselves.

Athletic Enhancement II

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisites: Intro to Weightlifting and Athletic Enhancement I or Teacher Approval

The course will emphasize improving speed, agility, change of direction, explosiveness and strength to help our student-athletes become more well-rounded athletically. Students will work in both the weight room and physical education gyms for their workouts. Athletic Enhancement II goes a step further where students learn more about the muscles and muscle groups that exercises are targeting. Students should come prepared to work hard and become the best athletic version of themselves.

Athletic Enhancement III

Grades: 11-12

.5 Credit (One Term – **Elective**)

Prerequisites: Intro to weightlifting and Athletic Enhancement I & II or teacher approval

The course will emphasize improving speed, agility, change of direction, explosiveness and strength to help our student-athletes become more well-rounded athletically. Students will work in both the weight room and physical education gyms for their workouts. Athletic Enhancement III goes even deeper where students will take what they've learned in Athletic Enhancement I & II and use it to design a workout program. Students should come prepared to work hard and become the best athletic version of themselves.

Fall Outdoor Pursuits (Term 1)

Grades: 11 - 12

.5 Credit (One Term – **Elective**)

Students will engage in many outdoor activities that they can do individually, as well as with others. Students will learn how to work well with others to increase their levels of physical activity as well as gain an understanding of the relation between physical and mental health. Some activities that students will engage in include: Fishing, Golfing, Disc Golf, Hiking, Archery, Rock Climbing, and more! (Similar to Winter Outdoor Pursuits).

Students will be required to purchase a fishing license.

Fit for Life

Grades: 9 - 12

.5 Credit (One Term – **Elective**)

Fit For Life is a course that will replicate a general physical education class. Students will engage in many different activities while learning the importance of being active. The goal in mind of this course is for students to understand the fitness components and how they can apply them to their physical activity routines. Some units will include: hockey, volleyball, soccer, football, yoga, softball and much more.

Hand-Eye Fitness

Grades: 10 - 12

.5 Credit (One Term – **Elective**)

Recommended: Successful completion of Fit Freshman and Performance Enhancement or Fit for Life

This course will focus on fitness by emphasizing activities that utilize hand-eye coordination while increasing heart rate. Students will participate in the following units: badminton, pickleball, floor hockey, softball, lacrosse, tennis, table tennis and Frisbee games. Health-related fitness activities and fitness assessments, "Fitness Gram", will also be incorporated into this class. Grades will be determined by participation in activities in and outside of class, fitness assessments, written assessments and classroom work.

Introduction to Weight Lifting

Grades: 9 - 12

.5 Credit (One Term – **Elective**)

Introduction to Weight Lifting is a class designed for any students who are interested in learning how to properly weight lift. Students will learn the benefits of weight lifting along with how to do so safely. Along with lifting weights, students will gain an understanding of how to move their body to help lower the risk of injury.

Winter Outdoor Pursuits (Term 3)

Grades: 11 - 12

.5 Credit (One Term – **Elective**)

Students will engage in many outdoor activities that they can do individually, as well as with others. Students will learn how to work well with others to increase their levels of physical activity as well as gain an understanding of the relation between physical and mental health. (Similar to Fall Outdoor Pursuits)

SCIENCE/HEALTH DEPARTMENT

Freshman-	Earth Science*	Health*	
Sophomore-	Biology*	Chemistry	First Aid and Safety Training
	Introduction to Health Occupations	Introduction to Horticulture ^{AgFVTC}	Large Animal Science ^{AgFVTC}
Junior/ Senior-	Advanced Chemistry ^{UWGB}	Chemistry	Environmental Science ^{UWGB}
	Human Biology ^{UWGB}	Introduction to Horticulture ^{AgFVTC}	Large Animal Science ^{AgFVTC}
	Physics	Medical Terminology ^{LTC}	

3 Credits Required for Graduation

* Required Course

^{Ag} Taught by Ag Department

College Credit Courses

UWGB = University of Wisconsin - Green Bay

LTC = Lakeshore Technical College

FVTC = Fox Valley Technical College

Advanced Chemistry

Grades: 11-12

1 Credit (2 Terms - **Elective**)

CHEM 211

Lecture: 4 Credits

CHEM 21

Lab: 1 Credit

UWGB Total Credits: 5

Prerequisite: Chemistry



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This course is the equivalent of a college-level, first-year General Chemistry course, and can be taken after successful completion of our standard high school Chemistry course. Topics studied will include: Measurement; Atoms, Molecules, Ions, and Moles; Formulas and Equations; Reactions; Stoichiometry; Redox Reactions; Thermochemistry; Quantum Mechanical Atom; Bonding and Molecular Structure; Gases; Liquids and Solids; and an Introduction to Organic (if time permits). While most of these topics will be familiar from the Chemistry class you've already taken, the depth to which each is explored will be much greater. Lab work will be a significant portion of this experience and you will be required to maintain a lab notebook of your work. Strong mathematical skills are required.

CCIHs through UWGB *If taking for college credit, additional course fees apply.

Biology

Grade: 10

1 Credit (Two Terms – **Required**)

This is the study of living organisms. The course emphasizes the relationships between organisms and their environment. Both plants and animals are studied in order to understand their structure and function with laboratory sessions to further develop concepts that are introduced in class.

Chemistry

Grades: 10-12

1 Credit (Two Terms – **Elective**)

Recommendations: C or better in Algebra I

Chemistry is the study of the interactions and changes in matter. Students will study topics such as Dimensional Analysis, Significant Figures, Atomic Structure, Electron Configurations, The Periodic Table, Periodic Trends, Chemical Formulas and Bonding, Chemical Reactions and Equations, Stoichiometry, Oxidation and Reduction, Gas Laws and the States of Matter. Much of the learning will take place in the laboratory.

Earth Science

Grade: 9

1 Credit (Two Terms – **Required**)

Students will study the four major branches of Earth Science. Geology is the study of the earth's origin, history, and structure. Meteorology is the study of weather and climate. Oceanography is the study of ocean features, life forms, and physical properties. Astronomy is the study of the Universe and objects within the Solar System. Many of the concepts are developed through laboratory experiments.

Environmental Science

Grades: 11-12

1 Credit (2 Terms - **Elective**)

ENV SCI 102

Lecture: 3 Credits

ENV SCI 103

Lab: 1 Credit

UWGB Total Credits: 4

Prerequisite: Biology, Chemistry recommended



This is a college-level course for students interested in learning more about the current and predicted future environmental state of our planet. Environmental science is unique in that it is extremely interdisciplinary. We will cover topics from biology, chemistry, geology, geography, and other subjects. A major emphasis of this course will be using scientific principles to identify environmental problems, both natural and human-made, and evaluate solutions to these problems. Be prepared to spend a great deal of time in laboratory and field (outdoor) settings. Topics studied include: water, ecology, human population, land use, air, energy resources, climate change, and waste management with an overarching theme of sustainability.

CCIHS through UWGB *If taking for college credit, additional course fees apply.

First Aid & Safety Training

Grades: 10-12

.5 Credit (One Term – **Elective**)

Students will gain the knowledge and skills necessary in an emergency to call for help, to keep someone alive, to reduce pain, and to minimize the consequences of injury or sudden illness until advanced help arrives. The course will include information on the prevention of injury and illness, with a focus on personal safety. Students will assess their environment and personal habits to help reduce their risk of injury and illness.

Health

Grades: 9-12

.5 Credit (One Term – **Required**)

Prerequisite: None

This course deals with the individual, his/her environment and the influences they have on each other. It is structured to guide the student in making more intelligent decisions concerning his/her physical health. **Students may have met this graduation credit in middle school.**

Introduction to Health Occupations

Grades: 10-12

.5 Credit (One Term – **Elective**)

Are you interested in a health-related occupation as a career? Would you like to explore the growing field of health care? You can do so by exploring over 200 medical careers and matching a career to your personal qualities. Major units of the course include an overview of healthcare facilities, personal health care qualities, legal responsibilities, and medical terminology. Field trips to hospitals, frequent health care professional speakers, and observations in the field of interest will be provided through this course. This course will give an opportunity to explore the different careers in the health field to those students who want to continue on after high school in a health occupation.

Introduction to Human Biology

Grades: 11- 12

1 Credit (2 Terms - **Elective**)

3 College Credits: HUM BIOL 102, UWGB

Prerequisite: Biology, Chemistry recommended

This is a college-level biology course for students interested in the human body. The first two units of this course cover introductory foundations of biology: chemistry of life and biomolecules, cells, histology, and homeostasis. The rest of the class is a tour of the anatomy and physiology of the human body systems: skeletal, muscular, digestive, respiratory, cardiovascular, nervous, endocrine, urinary, and reproductive.

CCIHS through UWGB *If taking for college credit, additional course fees apply.



Medical Terminology

Grades: 11-12

1 Credit (Two Terms – **Elective**)

This course will focus on learning the prefixes, suffixes, and root words associated with the field of medicine. Through this students will be able to identify the basic structure of medical terminology. This course will introduce students to the diagnostic, therapeutic, and symptomatic terminology associated with each of the systems of the human body. Students will learn to relate medical terms to the structure and function of the human body.

Transcribed Credit through LTC

Physics

Grades: 11 - 12

1.0 Credit (Two Terms – **Elective**)

Recommendations: C or better in Algebra I

Physics is the study of one and two-dimensional motion. Some of the topics include forces, vectors, work, energy, momentum, and Newton's three laws. Many of these topics are developed through different lab activities. Basic concepts in algebra are used to solve problems.



SOCIAL STUDIES DEPARTMENT

Freshman-	World History*	or	AP World History*	
Sophomore-	US History*	or	Honors US History 205: Pre-1491-1865*	
Junior-	US History 11*	or	Honors US History 206: 1865-Present*	
	Government*	or	AP Government and Politics*	
Senior-	Financial Literacy			
Electives-	Current Events	or	Psychology	or
	Sociology	or	Women's Rights 1776-Present	or
	World Geography			

AP World History

Grade: 9

1 Credit (Two Terms – **Elective**) **May be taken in place of World History or as an elective.**

The AP World History course content is structured around the investigation of five-course themes and 19 key concepts in six different chronological periods, from approximately 8000 B.C.E. to the present. The framework of the class defines a set of shared historical thinking skills and develops students' capacity and ability to think and reason in a deeper, more systematic way, better preparing them for subsequent college courses.

World History

Grade: 9

1 Credit (Two Terms – **Required**)

The study of Modern World History is designed to assist students in understanding the world around them as citizens of an ever-increasingly global society. World History examines major eras in world history from 1500 AD to today. The seven social studies (geography, history, anthropology, political science, psychology, sociology, and economics), as well as World History themes (religious and ethical systems, interaction with the environment, cultural interaction, empire building, power and authority, economics, revolution, and science and technology), will be utilized to incorporate information into one's understanding.

US History

Grade: 10

1 Credit (Two Terms – **Required**)

This course examines historical events of the United States in chronological order from 1491 to 1945 in the context of themes such as “the American Dream,” “Science and Technology,” “Cultural Diversity,” “Constitutional Concerns,” “Democracy,” and “Immigration and Migration.” Skills such as analyzing and interpreting sources, identifying cause and effect, and evaluating conclusions will be developed as part of our study.

US History 11

Grade: 11

1 Credit (Two Terms – **Required**)

This course examines historical events of the United States in chronological order from the Cold War through the present. During this semester students will study the impact of the Cold War on Americans and the world. Students will trace the rise and fall of the Cold War and study the impacts this has on the world they live in today.

Honors US History 205: Pre-1491-1865

Grade: 10

1 Credit (Two Terms — **Elective**) **May be taken in place of US History**

3 College Credits: HISTORY 205, UWGB

Honors U.S. History is a college-level course designed to provide students with the analytic skills and factual knowledge to deal critically with the problems, events, and issues faced by the people and leaders in the United States of America. The course will put special emphasis on key historical themes including: Following an overview of Turtle Island (a Native designation for North America) before European contact, topics to be considered include the European colonization process; the creation and expansion of the United States; the evolution of formal and informal democratic institutions; Native resistance, accommodation, and persistence; the rise and fall of the institution of African slavery in the Atlantic world; early industrialization; and the causes and outcomes of the Civil War. Honors US History course is rigorous in providing students the necessary skills necessary for success in independent study, critical thinking, analyzing, interpreting, and synthesizing historical primary and secondary sources and documents, developing historical writing as well as mastering a significant body of factual information.

CCIHS through UWGB *If taking for college credit, additional course fees apply.



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Honors US History 206: 1865-Present

Grade: 11

.5 Credit (One Term – **Elective**) **May be taken in place of US History 11.**

3 College Credits: HISTORY 206, UWGB



Honors U.S. History is a college-level course designed to provide students with the analytic skills and factual knowledge to deal critically with the problems, events, and issues faced by the people and leaders in the United States of America. The course will put special emphasis on key historical themes including: American diversity, identity, culture, demographic changes, economic transformations, the environment, globalization, politics and citizenship, reforms, religion, slavery and its legacies in the United States, and war and diplomacy. Honors US History course is rigorous in providing students the necessary skills necessary for success in independent study, critical thinking, analyzing, interpreting, and synthesizing historical primary and secondary sources and documents, developing historical writing as well as mastering a significant body of factual information.

CCIHs through UWGB *If taking for college credit, additional course fees apply.

Government

Grade: 11

1 Credit (Two Terms – **Required**)

The welfare of our nation depends on informed, responsible citizens. As citizens in a time of rapid change and complexity, students will learn how to obtain factual information, how to think about problems, and how to act in the best interests of our democracy. This course will be an in-depth study of the United States Government and the Constitution. Emphasis will also be placed on state and local governments.

AP Government and Politics (US)

Grades: 11-12

1 credit (Two terms - **Elective**) **May be taken in place of Government or as an elective.**

AP Government course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality.

Financial Literacy

Grade: 12

.5 Credit (One Term – **Required**)

In this course, students examine current issues facing our economy and the historical background and theory behind these issues. Our national economy is the primary focus, but other world economic issues and concepts will be explored. Topics students will learn about will include: supply and demand, banking, government involvement in the economy, the money supply, interest rates, taxes, the stock market, inflation, unemployment, and the Federal Reserve System. Students will use current events information and a variety of other resources to better understand and make decisions in our economy.

Current Events

Grades: 9-12

.5 Credit (One Term – **Elective**)

***May be taken twice within a high school career. ***

The main objective is to develop an interest in events taking place in our contemporary world and will emphasize interpretation of perspective, and visual/graphic information, etc. Students will be encouraged to follow a variety of news-gathering media in order to obtain the information. They will also be required to assess and evaluate news events that will impact their personal lives, their family, American society, and governmental structures around the world. Through the use of electronic media, newsprint, and class presentations, students will realize the impact of contemporary events on their everyday world

Psychology

Grades: 11-12

Students in grade 10 may register, but need approval and recommendation from the course instructor.

.5 Credit (One Term – **Elective**)

3 College Credits: PSYCH 102, UWGB

In this elective course, students will study basic human behavior. Major topics students will learn about include: the science of psychology, the principles and applications of learning, memory and the thought process, sensation and perception, altered states of consciousness, the human lifespan, mental illness and therapy, and personality development. This course will give students a better understanding of why people behave the way they do and will help students to be more aware of themselves and human behavior. This is an online course delivered through UWGB with in-person support from an MHS teacher.

Dual Access Academy through UWGB *If taking for college credit, additional course fees apply.

Sociology

Grades: 11-12

Students in grade 10 may register, but need approval and recommendation from the course instructor.

.5 Credit (One Term – **Elective**)

3 College Credits: SOCIOL 101, UWGB

Contemporary Social Issues will have the goal of understanding human social life and its development over time. We will examine the connections between culture, social institutions, and individual personalities. Particular attention will be paid to racial and ethnic groups in the United States and their evolution over time. Groups to be studied: Native Americans, African Americans, Hispanic Americans, Mexican Americans, Asian Americans and Jewish Americans. Finally, a discussion of broad societal issues such as family, sports, social class, group dynamics, and racism/prejudice will be included as aspects of a growing industrial society. This is an online course delivered through UWGB with in-person support from an MHS teacher.

Dual Access Academy through UWGB *If taking for college credit, additional course fees apply.



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Women's Rights 1776 - Present

Grades: 10-12

.5 Credit (One term – **Elective**)

3 College Credits: HISTORY 256, UWGB



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The main focus of this course will be women and their societal advancement through American History. Students will be able to examine, process, and analyze key events of how women throughout the history of the United States played important and essential roles in helping our nation be what it is today. Discussion of the status of women in a more global perspective will occur. This course will provide knowledge about the social role of women and their involvement in areas such as health, history, and political activism. The course will also provide knowledge about gender stereotypes, and how this affects the learning process.

CCIHS through UWGB *If taking for college credit, additional course fees apply.

World Geography

Grades: 9-12

.5 Credit (One Term – **Elective**)

The World and You Geography course familiarizes students with the world using the five geographic themes by taking an interactive approach to discovering the world around them. Students will develop and use 21st-century skills to gain knowledge about locations, places, human/environmental interactions, movements, and regions. In addition, students will compare and contrast these themes across all continents to provide students a well-rounded understanding of the world they live in. Students will discover that this course is connected and applicable to multiple career paths.

TECHNICAL EDUCATION DEPARTMENT

9-12:	Drafting	General Woodworking	Home Repair & Construction
	Introduction to Manufacturing	Power and Ag. Mechanics	Welding
	Woods Manufacturing		
10-12:	Electricity	Machine Tool	Mishicot Enterprise
11-12:	Advanced Manufacturing	Advanced Woodworking	CNC Machining and Turning
	Metals Manufacturing		

It is recommended that Introduction to Manufacturing be taken before a student takes advanced courses. **TECHNICAL EDUCATION COURSES WILL HAVE REQUIRED PROJECTS WITH COSTS INVOLVED. SPECIFIC PROJECTS AND THEIR COSTS WILL BE OUTLINED AT THE BEGINNING OF THE COURSE.**

Advanced Manufacturing

Grades: 11-12

.5 Credit (One Term - **Elective**)

Prerequisite: Metals Manufacturing and Instructor Approval

You will be building on the knowledge gained in Welding, Metals Manufacturing, Drafting, and Machine Tool introducing new techniques of metal working by combining these disciplines to design, create, and test various products and materials.. Students will gain a further understanding of designing and programming products using Fusion 360 and G-code. It is important for students to possess an understanding for the manufacturing processes and product development used in industry.

Advanced Woodworking

Grades: 11-12

.5 Credit (One Term – **Elective**)

Prerequisite: General Woodworking and Instructor Approval

In Advanced Woodworking, new techniques will be introduced in the advanced projects that are built. Emphasis will be placed on cabinetmaking and casework techniques, along with fine finishing details such as inlays, dovetails, exotic woods, and other advanced techniques. A large-scale, independently designed project will be built in this class with the advanced techniques learned. Woodworking-related careers will also be explored. Successful completion of a previous woodworking course is required.

CNC Machining and Turning

Grades: 11-12

.5 Credit (One Term – **Elective**)

Prerequisite: Introduction to Manufacturing

In this course, students will build on the fundamentals learned in the Machine Tool class. Students will explore the world of Computer Numerical Control (CNC), the systems used in modern machine tools. Students will learn how to design parts using computer-aided design software, a program using G and M code, set up for various machine operations, and safely run both the CNC lathe and the CNC mill. In the end, students will have some cool projects to take with them to show the skills they have learned.

Drafting *(Recommended course for ALL Tech Ed Courses)*

Grades: 9-12

.5 Credit (One Term – **Elective**)

This course introduces two and three-dimensional drafting principles. Students will use hand drafting tools and techniques so they can gain a better understanding of how the computer-aided design programs function. Students will learn to read multi-view drawings and measure to scale. Students will learn to quickly and accurately sketch items using Google Sketch-Up and to convert those sketches to complex three-dimensional models using Solid Works. Students will design and model a variety of objects all while gaining a better understanding of the power of computers as a useful design and engineering tool. Students will have the opportunity to use SoftPlan to investigate architectural design and learn basic construction sequences.

Electricity

Grades: 10-12

.5 Credit (One Term – **Elective**)

This course offers students a unique opportunity to explore the world of electricity and electronics. Electricity and electronics play an important role in our everyday lives. Students who take this course will learn the basics of electrical safety, electrical components and their functions, tools, measurement instruments, and basic electrical circuits. These concepts will be learned through their applications in simple devices and will include simple “make and take” projects.

General Woodworking

Grades: 9-12

.5 Credit (One Term – **Elective**)

Students will learn hand and machine woodworking operations. Fabrication from blueprints is done with an emphasis on all solid lumber construction techniques. Wood identification and simple joinery are taught. Processes in faceplate and spindle lathe turning, lamination bending, wood-burning design, and plastic laminate work are explored as well as finishing classifications. There is a \$30 additional material fee associated with this class.

Home Repair & Construction

Grades: 9-12

1 Credit (Two Terms – **Elective**)

Recommended: Woodworking class

If you ever plan on living in a house or owning your own home someday, then this is a great class for you! All phases of building a new home will be practiced by students. From the subfloor to the roof, students will be building their own full-scale home section. Rough framing, finishing, doors and windows, flooring, trim, roofing, siding, and basic electrical and plumbing will all be covered and done in this class. This class is meant for the student who is eager to learn new construction techniques and also sharpen their own construction skills. Construction careers will also be emphasized with this class.

Introduction to Manufacturing

Grades: 9-10

.5 Credit (One Term – **Elective**)

Can be taken concurrently with Welding, Electricity, Drafting, and Machine Tool

In this course you will explore different manufacturing processes. You will learn welding fundamentals, sheet metal fabrication, basic turning and milling, CNC design and operation. This class will concentrate on your ability to choose proper material for given applications and manipulate it using all of the equipment in the shop. This course will be fabricating products for the students using our FAB Lab and Metals Lab. **Shop fee \$20.**

Machine Tool

Grades: 10-12

.5 Credit (One Term – **Elective**)

Instructor Approval Required

Students will be exploring the Machine Tool field. They will learn to read and interpret drawings, how to effectively layout projects using precision measuring tools. They will be learning how to safely operate Drilling machines, Metal Lathes, Milling Machines, and horizontal and vertical band saws while creating a variety of different projects.

Shop fee \$20

Metals Manufacturing

Grades: 11-12

.5 Credit (One Term – **Elective**)

Prerequisite: Welding

In this class, students will expand on the knowledge gained from the Welding and Machine Tool classes. Some new machines or processes you will encounter are the CNC Plasma cutter, which creates decorative designs, sheet metal fabrication, and the TIG welding process. You will be expected to create and read blueprints that will help you fabricate personal projects, along with projects such as can crushers, shepherd hooks, and small toolbox. **Shop fee \$20.**

Transcribed Credit through Lakeshore Technical College

Mishicot Enterprise

Grades: 10-12

.5 Credit (One Term – **Elective**)

Prerequisite: Introduction to Manufacturing or Drafting

This course typically is a one semester, skinny course.

In this course students will use their past CNC and fabrications skills to create products for Mishicot Enterprise. Students will be using the Fab Lab Equipment and CNC Machines to create new and appealing products to the public. Students will refine their skills in design, marketing, and product development.

Power and Ag. Mechanics

Grades: 9-12

.5 Credit (One Term – **Elective**)

This course is a ½ credit course that is separated into two parts. Part 1 of the course provides an introduction to the principles and operation of small engines as well as automotive engines. Students study energy sources, controlling and measuring it, as well as alternative energy sources. The operating principles of the internal four-stroke engine will be covered, as well as cooling, lubrication, and ignition systems. Troubleshooting analysis will be done on small engines.

Welding

Grades: 9-12

.5 Credit (One Term – **Elective**)

Prerequisite: Introduction to Manufacturing

In this class, students will explore the world of welding including welding careers and safety practices. They will create different projects using various welding processes. Instruction on various types of welding equipment and processes, basic welding gas, fluxes, rods, electrodes, symbols, and blueprints. In addition to welding, students will be instructed in the safe operation of the Oxy/fuel cutting and plasma cutting processes.

Transcribed Credit through Lakeshore Technical College



LAKESHORE
TECHNICAL COLLEGE



LAKESHORE
TECHNICAL COLLEGE

Woods Manufacturing

Grades: 9-12

.5 Credit - One Term - **Elective**

Prerequisite: General Woodworking

Intermediate woodworking class that introduces students to more advanced woodworking projects along with a more in depth look at CNC machining. Students will have an opportunity to use CNC routers to create projects and assemblies representing local manufacturers. Students will have the opportunity to gain exposure to CAD programming along with generating machine codes. There is a \$25 additional material fee associated with this class.

WORLD LANGUAGES DEPARTMENT

9-12:

Spanish I

Spanish II

10-12:

Spanish III

11-12:

Spanish IV

Spanish I

Grades: 9-12

1 Credit (Two Terms – **Elective**)

Spanish I is the introduction to the Spanish language and the ability to communicate by using the language. Vocabulary development and grammatical skills are introduced, supported, and instructed through cultural aspects of the Spanish-speaking world.

Spanish II

Grades: 9-12

1 Credit (Two Terms – **Elective**)

Prerequisite: Spanish I

Building on the framework of Spanish I, emphasis is placed on the usage and creativity of previously learned material as new skills and content are added. At the end of this level, students should be able to function at a basic level in a living situation using the language.

Spanish III

Grades: 10-12

1 Credit (Two Terms – **Elective**)

Prerequisite: Spanish II

A continuation of the previous two levels, greater emphasis is placed on comprehension and speaking while introducing new grammatical structures, vocabulary, and readings. Student projects and presentations are focused on developing effective communication skills in the Spanish language. If your goal is to one day communicate in Spanish, this is the class that will begin to help you reach that goal by using your language skills.

Spanish IV

Grades: 11-12

1 Credit (Two Terms – **Elective**)

Prerequisite: Spanish III

Students will develop advanced intermediate conversational, reading, and writing skills through Spanish and Latin American literature and related materials. The class will be conducted in Spanish with the expectation that the students will challenge themselves to conduct all communication in the target language. The course will include an intensive grammar review, selections of short stories, a review and enrichment of vocabulary, and an analysis of a variety of cultural aspects.

Cooperative Education Programs

Cooperative Education Programs are designed to help students make a smoother transition from the world of school to the world of work. The goal of these programs are to provide training and educational opportunities in leadership and employability skills, as well as give students the chance to explore their careers in a professional setting. **These courses are a privilege.** Students are required to maintain passing grades in all of their classes to be able to participate in these programs.

School-Supervised Work Experience

Grade: 11-12 (May be taken both years)

.5 Credit per term (Up to 1 credit per year, 2 terms total, 1 block per term)

Laude Points: .5 per term

School Supervised Work Experiences provide students the opportunity to develop the attitudes, skills, and knowledge essential for work and other life roles. By participating in actual or simulated work settings, students practice and are evaluated on the Wisconsin Department of Public Instruction Employability Skills. The majority of students taking advantage of this experience are interested in a career in the education field. However, the opportunity is available to students interested in any area of work. This type of work experience can be paid or voluntary. Students must complete a minimum of 67.5 hours per term to earn an elective credit. Applications available in Student Services.

Agriculture Cooperative (Ag. Co-op)

Grade: 11-12 (May be taken both years)

.5 Credit per term (Up to 1 credit per year, 2 terms total, 1 block per term)

Laude Points: .5 per term

The Agricultural Cooperative Education Program combines school-based academic and occupational instruction with work-based learning with an employer. Co-op students must master a majority of skills through a combination of work-based instruction and experience. Students will complete 90 hours per term through work in agribusinesses that support the animal or plant industries, including local farms, greenhouses, or our school greenhouse/floral business. The competency areas covered include sales, customer relations, marketing, technical assistance, communications, professional development, and animal/plant science. Core employability skills are also measured. Knowledge and skills gained through participation in FFA also apply toward the attainment of the skill certificate. Students will be required to track work hours, portfolio assignments, and competencies gained from the program. Upon successful completion of Ag. Co-op, students will earn elective credit. Applications available in Student Services.

Youth Apprenticeship

Grade: 11-12 (May be taken both years)

.5 Credit per block, 2 blocks maximum per term (Up to four terms per year)

Prerequisite: Junior or Senior Status, on track to graduate, positive school citizenship

Laude Points: .5 per block, up to 4 maximum per year

Youth Apprenticeship is an intensive one- or two-year program which combines class work with work-based learning in a business or industry. Students who achieve the industry competencies earn a certificate of proficiency along with their high school diploma. The student's hands-on learning at the job site is combined with classroom instruction (either at the technical school or high school level) to help students make the connection between school and the world of work. Students can apply for the Youth Apprentice program in January or February of their Sophomore or Junior year. After an initial job application review, applicants will be interviewed by employers and employment decisions will be made at that time. Upon successful completion of 450 hours required by YA, students will earn elective credit.

Examples of careers offered through the apprenticeship program are: Accounting, Agriculture – Agriculture Mechanic, Auto Technician, Banking, Carpentry, Certified Nursing Assistant, Dental Assistant, Diesel Technician, Engineering, Hospitality, HVAC, Industrial Maintenance, Information Technology, Insurance, Machining, Masonry, Plumbing, Sales and Marketing, Veterinary Technician, Welding, and Lab Sciences.

ADDITIONAL DUAL CREDIT OPPORTUNITIES

Early College Credit

The Early College Credit Program allows Wisconsin public and private high school students to take one or more courses at an institution of higher education for high school and/or college credit. Under this section, “institution of higher education” means an institution within the University of Wisconsin System, a tribally controlled college, or a private, nonprofit institution of higher education located in the state. Applications are accepted twice a year, per state statute. Contact the high school counselor for more information.



Start College Now

Start College Now is an opportunity for high school students to take college-level classes. While enrolled, students earn both high school and college credit. Credits may be applied toward a degree in the Wisconsin Technical College System. Applications are accepted twice a year, per state statute. Contact the high school counselor for more information.

Rising Phoenix Early College Program

The Rising Phoenix Early College High School Program is an innovative collaboration between the Mishicot Public School District and the University of Wisconsin-Green Bay to provide high school students an opportunity to get a head start on college. Students will become dually enrolled in college credit courses at Mishicot High School and UW-Green Bay. Current sophomore students will have the opportunity to earn their Associate of Arts and Sciences degree and High School Diploma at graduation.



Current sophomores will be able to apply to the program in January. Students must have a minimum GPA of 3.0 and faculty recommendations. Admission is competitive and not guaranteed. The cost of the program will be shared between families and the Mishicot School District. The program launched at MHS Fall 2021.

College Credit Courses Reference Chart

UW College Credit Courses Offered At Mishicot High School

High School Class Name	College Class Name
Advanced Chemistry (CCIHS-UWGB)	Principles of Chemistry 1 Chemistry Department CHEM 211 Lecture: 4 Credits CHEM 213 Lab: 1 Credit 5 Credits Total
College English I (CCIHS-UWGB) (Formerly known as College English 11)	First-Year Writing Writing Foundations Department WF 100 3 Credits Introduction to Literature English Department ENG 104 3 Credits
College English II (CCIHS-UWGB) (Formerly known as Honors English)	Research and Rhetoric Writing Foundations Department WF 105 3 Credits Introduction to English Literature (British Literature) English Department ENG 265 3 Credits
Communications (CCIHS-UWGB)	Fundamentals of Interpersonal Communication Communications Department COMM 166 3 Credits
Environmental Science (CCIHS-UWGB)	Introduction to Environmental Sciences Environment Science Department ENV SCI 102 Lecture: 3 Credits ENV SCI 103 Lab: 1 Credit 4 Credits Total
Honors US History 205: Pre 1495-1865 (Formerly known as Honors US History 10)	History of the United States History Department HISTORY 205 3 Credits
Honors US History 206: 1865-Present (Formerly known as Honors US History 11)	History of the United States from 1865 to the Present History Department HISTORY 206 3 Credits
Psychology (Dual Academy-UWGB)	Introduction to Psychology Psychology Department PSYCH 102 3 Credits
Sociology (Dual Academy-UWGB)	Introduction to Sociology Sociology Department

	SOCIOL 101 3 Credits
Women's Rights (CCIHS-UWGB)	Special Topics: Women's Rights History Department HISTORY 256 3 Credits

Technical College Credit Offered At Mishicot High School - Transcribed Credit

High School Class Name	College Class Name
Advancements in Web Design and Development (TC-LTC)	Advancements in Web and Development Information Technology Department Course number 10201118 2 Credits
College Mathematics (TC-LTC)	College Mathematics Mathematics Department Course number 10804107 3 Credits
Written Composition (TC-LTC)	English Composition I English Department Course number 10801136 3 Credits
Introduction to Business (TC-LTC)	Introduction to Business Business Department Course number 10102110 3 Credits
Marketing (TC-LTC)	Principles of Marketing Business Department Course number 10104102 3 Credits
Machine Tool (TC-LTC)	Orthographic Projection Print Machine Tool Department Course number 31420385 1 Credit
Math with Business Applications (TC-LTC) Only if taught by Krause	Math With Business Apps Business and Technology Department Course number 10804123 3 Credits
Medical Terminology (TC-LTC)	Medical Terminology Part I Health Department Course number 31501309 1 Credit Medical Terminology Part II Health Department Course number 31501310 1 Credit Medical Terminology Part III Health Department Course number 31501311

Microsoft Office I (TC-LTC)	<p>Word Level I Business Department Course number 10103191 1 Credit</p> <p>Excel Level I Business Department Course number 10103121 1 Credit</p> <p>Power Point Level I Business Department Course number 10103161 1 Credit</p> <p>Access Level I Business Department Course number 10103101 1 Credit</p>
Microsoft Office II (TC-LTC)	<p>Word Level II Business Department Course number 10103192 1 Credit</p> <p>Excel Level II Business Department Course number 10103122 1 Credit</p>
Programming Introduction (TC-LTC)	<p>Programming Introduction Information Technology Department Course Number 10152100 4 Credits</p>
Web Development I (TC-LTC)	<p>Web Development I Information Technology Department Course Number 10152196 3 Credits</p>
Welding (TC-LTC)	<p>Safety and Welding Fundamentals Advanced Manufacturing Course number 10442100 1 Credit</p>
Written Communication (TC-LTC)	<p>Written Communication General Education Department Course number 10801195 3 Credits</p>
Beekeeping and Pollinators (TC-NWTC)	<p>Beekeeping & Pollinators Agriculture Department Course number 10090118 1 Credit</p>
Edible Forest, Health and Herbs (TC-NWTC)	<p>Herbs & Health Agriculture Department Course number 10090130 2 Credits</p>
Large Animal Science (TC-FVTC)	<p>Animal Science Fundamentals Agriculture Department</p>

	Course number 10006140 3 Credits
Introduction to Horticulture (TC-FVTC)	Introduction to Horticulture Agriculture Department Course number 10001111 3 Credits
Introduction to Soil Science (TC-FVTC)	Introduction to Soils Agriculture Department Course number 10006143 3 Credits

Technical College Credit Offered At Mishicot High School - LTC Advanced Standing

High School Class Name	College Class Name and Credits
Accounting I	Accounting I Business Department Course number 10101111 4 credits
Math with Business Applications Only if taught by Juza	Math with Business Applications Business and Technology Department Course number 10804123 3 Credits
Research & Inquiry	Speech General Education Department Course number 10801198 3 Credits
Principles of Sustainability	Principles of Sustainability General Education Department Course number 10806112 3 credits

AP Courses/Tests

These are courses that are of a college-level nature. However, credits are determined by how you place on the AP exam taken in May. Every college and every major at every college have different scores that are needed in order to award credit. Generally, students need scores of 3 or higher for them to count towards any type of college credit. The AP courses are taught by highly qualified high school teachers who use the *AP Course Descriptions* to guide them. The AP Examinations are administered each year in May and represent the culmination of college-level work in a given discipline in a secondary school setting. Rigorously developed by committees of college and AP high school faculty, the AP Exams test students' ability to perform at a college level. Any student has the right to take any AP exam. Students interested in taking an AP exam for a course they have not taken in the AP format should discuss this option with the faculty in that department area several months prior to getting additional course materials and study materials needed to meet the rigor of the exam requirements.

AP Tests available to take can be found at <https://apstudents.collegeboard.org/>

Non-Discrimination Notice

The School District of Mishicot does not discriminate on the basis of any characteristic protected under State or Federal law including, but not limited to, gender, race, religion, national origin, ancestry, creed, pregnancy, marital status, parental status, sexual orientation, or physical, mental, emotional, or learning disability in any of its student programs and activities. Specific complaints of alleged discrimination in any of the areas noted above should be referred to: Coordinator of Alternative Services, 660 Washington Street, Mishicot, WI 54228 (1-920-755-4633). Complaints may be filed with the Office for Civil Rights –Region V, 300 South WackerDrive, Chicago IL