

Academic Career Planning & Course Guide

2024-2025



Menomonee Falls High School



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*Subject to Change last updated 4/11/2024

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DISTRICT VISION STATEMENT

The relentless pursuit of excellence, one person at a time.

NON-DISCRIMINATION POLICY

The District is firmly committed to maintaining an education environment that is free of discrimination and harassment of any form. The right of a student to be admitted to school and to participate fully in curricular, extra-curricular, student services, recreational or other programs or activities will not be abridged or impaired because of sex, race, color, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation or physical, mental, emotional or learning disability of the student.

In keeping with the requirement of federal and State laws, the District shall not have any vestige of discrimination in admission to any school, class, program or activity standards and rules of behavior, including student harassment; disciplinary actions, including suspension and expulsion; acceptance and administration of gifts, bequests, scholarships and other aids, benefits or services to student from private agencies, organization or person; instructional and library materials used in the District; methods, practices and materials used for testing, evaluating and counseling students; location and use of facilities; opportunity for participation in athletic programs or other extra-curricular activities; and in school sponsored food service programs. This policy applies to all District student policies (Series 400) and instructional policies (Series 300).

This policy prohibits discrimination and harassment under applicable state and federal statutes, including Title IV of the Civil Rights Act of 1964 (race and national origin), Title IX of the Educational Amendments of 1972 (sex), Section 504 of the Rehabilitation Act of 1973 (handicap) and Wis. Stat. §118.13 (pupil nondiscrimination). Discrimination is defined as any action, policy, or practice, including bias, stereotyping and pupil harassment, which is detrimental to a person or group of persons, and differentiates or distinguishes among persons, or which limits or denies a person or group of persons opportunities, privileges, roles or rewards.

The District shall not discriminate on the basis of sex, race, color, national origin, religion, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in education programs or activities. If anyone, including a student, feels there has been a discriminatory situation in regard to any of the above named classes or in violation of Title IX, Section 504, Title II, or ADA, please contact the building administrator or the Director of Pupil Services and Title IX Coordinator, Dr. Laura Schieffer, at District Office located at W156 N8480 Pilgrim Road, Menomonee Falls, WI 53051 or by phone at 262-255-8440, or by email at schilau@sdmfschools.org Discrimination complaints will be processed in accordance with established procedures, outlined in Board procedure 411 Equal Education Opportunities.

WELCOME TO MENOMONEE FALLS HIGH SCHOOL!

Our Career Planning and Course Selection Guide is designed to assist you in thinking about post-high school plans and making course selections for the next academic year. Listed below are some reminders for making choices.

- When registering for your selections, **ACCURACY IS VERY IMPORTANT!**
- All courses will need to meet a *minimum enrollment* to be offered.
- Not all courses are offered each semester, or every period of the day.
- **If a course is dropped after the first week of the semester, it can only be replaced with a study hall.**
- **If a course is dropped after two weeks, a student will receive an 'F' for the semester class.**
- **Any course dropped after the first two weeks of a semester will not be reimbursed for the course fees.**

MENOMONEE FALLS HIGH SCHOOL GRADUATION CREDIT REQUIREMENTS

<u>Department</u>	<u>Required Courses</u>	<u>Credits Needed</u>
English	English 9	2.0
	English 10	2.0
	English 11	2.0
	English 12	2.0
Mathematics	Various Courses	6.0
	3 years required	
Science	Biology	2.0
	4 credits science electives	4.0
Social Studies	World History or H AP Human Geography	2.0
	US History or H AP US History	2.0
	US Government or H AP US Gov & Politics	1.0
	Economics or H AP Micro/Macro Economics	1.0
	Successfully complete the WI state mandated Civics Test	
Wellness Education	Foundations of Fitness-Grade 9	1.0
	Wellness Education Elective-Grade 10	1.0
	Wellness Education Elective-Grade 11 or 12	1.0
	21 st Century Wellness – Grade 10	1.0
Business	Personal Finance	1.0
Electives		<u>15.0</u>
TOTAL		46.0

MENOMONEE FALLS HIGH ACADEMIC PREPARATION CHART

<u>SUBJECT</u>	<u>MENOMONEE FALLS HIGH SCHOOL</u>	<u>MINIMUM COLLEGE PREPARATION</u>	<u>SELECTIVE COLLEGE* RECOMMENDATIONS</u>
English	8 credits	4 years	4-5 years Honors & AP Level
Mathematics	6 credits	3 years To include: Algebra 1, Algebra 2, Geometry	4 years Honors & AP Level
Science	6 credits <ul style="list-style-type: none"> ● 2 credits Biology ● 4 credits Science electives 	3 years 2 with laboratory	4 years To include: Biology, Chemistry, Physics
Social Studies	6 credits World History, US History, US Government, Economics **Successfully complete the Civics Test required by the state of WI	3 years	4 years Honors & AP Level
Business	1 credit Personal Finance		
Wellness Education	1 credit-21 st Century Wellness 3 credits-Wellness Education		
World Language	Not required but recommended	UW Madison – 2+ years; visit the college/university website	3-4 years of the same language
Electives	15 credits	4 academic credits from the above areas	Academic elective(s) recommended
TOTAL	46 credits	17 (or more) academic credits	18-20 academic credits

*Students seeking admission to HIGHLY COMPETITIVE institutions should consider as many Honors Level and Advanced Placement classes as possible.

**The state required Civics Test will be done within the US Government/ H AP United States Government and Politics class.

*** If you are considering an out of state university (i.e. University of Minnesota Twin Cities) check your individual university's requirements.

SCHOOL DISTRICT OF MENOMONEE FALLS

MENOMONEE FALLS HIGH SCHOOL

(TENTATIVE) STUDENT FEES – EFFECTIVE JULY 1, 2024

<u>GENERAL FEES*</u>	<u>2024-2025 (TENTATIVE) FEES</u>
MFHS High School	\$140.00
Hallway Locker/Locks	\$5.00
<u>OTHER FEES*</u>	
Activity/Club Fee (one time/school year-unlimited)	\$20.00
Art & Design	\$25.00
Family & Consumer Science	\$25.00
Tech Ed & Engineering	\$35.00
Lifeguard Training mask, book & whistle (online/class)	\$63.00
Certification Card	\$46.00
PE 9 Locker fee	\$ 6.00
Music (Band, Choir, Orchestra)	\$25.00
Music Instrument Rental	\$75.00
Band/Orchestra Book	\$10.00
Adventure/Outdoor PE Class (HS)	\$50.00
Parking-High School – Daily	\$2.00
Parking –High School Semester	\$90.00
Parking-High School (full year)	\$180.00
Athletic Fee Paid at https://menomoneefalls-ar.schooltoday.com/	
High School per Sport	\$165.00
Max - 4 sports/family	\$660.00
Purchased through Jostens	
Yearbook until November 30, 2024	\$75.00
Yearbook after December 1, 2024	\$80.00
Add Personalization Options	\$10.00

***All Fees are Subject to Change as a result of the 2024-25 Budget Planning Process**

Eligible families may have their course fees reduced or waived based on income guidelines. Beginning in July 2024, see the fee waiver forms on the SDMF School Nutrition website.

Menomonee Falls runs an alternating block schedule; the school day runs four blocks per school day, rotating Odd and Even periods each day.

FOUR YEAR PLAN

FRESHMAN YEAR

First Semester	Second Semester
1. English 9	1. English 9
2. Math	2. Math
3. Biology	3. Biology
4. World History or H AP [®] Human Geography	4. World History or H AP [®] Human Geography
5. Foundations of Fitness: PE 9 (Either Semester)	5.
6.	6.
7.	7.
8. Study Hall	8. Study Hall

SOPHOMORE YEAR

First Semester	Second Semester
1. English 10	1. English 10
2. Math	2. Math
3. Science Elective	3. Science Elective
4. US History or H AP [®] US History	4. US History or H AP [®] US History
5. PE 10 Choice (either semester)	5. 21 st Century Wellness (either semester)
6.	6.
7.	7.
8. Study Hall	8. Study Hall

JUNIOR YEAR

First Semester	Second Semester
1. English 11 or H AP [®] Lang & Comp 11	1. English 11 or H AP [®] Lang & Comp 11
2. Math	2. Math
3. US Government (either semester) or H AP [®] US Gov & Politics (full year)	3.
4. Science Elective	4. Science Elective
5. PE 11 Choice (either semester)	5.
6. Personal Finance – Regular or H CAPP (either semester – junior or senior year)	6.
7.	7.
8. Study Hall	8. Study Hall

SENIOR YEAR

First Semester	Second Semester
1. Lit Elective or H AP [®] Lit & Comp 12-	1. Lit Elective or H AP [®] Lit & Comp 12
2. Economics (either semester) or H AP [®] Micro/Macro Economics (full year)	2.
3. Personal Finance – Regular or H CAPP (either semester – junior or senior year)	3.
4.	4.
5.	5.
6.	6.
7.	7.
8. Study Hall OR Early Release/Late Start	8. Study Hall OR Early Release/Late Start

MENOMONEE FALLS HIGH SCHOOL

EXPLANATION OF GRADES & GRADE POINT VALUES

The Menomonee Falls High School grading system is a 1-tier system with eligible courses (core subject honor classes and classes receiving post-secondary credit) receiving an additional grade point value of .025 per semester. The additional grade point value shall be added after the student's grades are averaged at the end of each semester.

Grade	Percentage %	Weight
A	(93-100)	4.0
A-	(90-92)	3.67
B+	(87-89)	3.33
B	(83-86)	3.0
B-	(80-82)	2.67
C+	(77-79)	2.33
C	(73-76)	2.0
C-	(70-72)	1.67
D+	(67-69)	1.33
D	(63-66)	1.0
D-	(60-62)	0.67
F	Below 60	0

Looking to your Future...

Grades and Course Selection

The most selective colleges will always expect students to take the most rigorous course of study available in their high school. Avoiding a challenging course to "protect" a high GPA will hurt a student in these highly competitive settings.

While good grades are important, rigorous coursework is always the first, most important consideration for all students. Student essays and teacher recommendations are also powerful factors.

Every college is different, and colleges will change from year to year as they make decisions about students. Some of these colleges will accept either a weighted or regular GPA for scholarship qualification. The key is to investigate each college individually.

NCAA Scholarship Eligibility

To plan for NCAA eligibility, students must consult frequently with their school counselor regarding course selections. The NCAA website should be consulted regularly to find the high school core courses that are approved. Go to <https://web3.ncaa.org/hsportal/exec/hsAction?hsActionSubmit=searchHighSchool>

Other NCAA requirements on GPA and ACT scores can be found at www.ncaaclearinghouse.net.

Students graduating from Menomonee Falls High School may receive a weighted grade in post-secondary credit and core subject Honor's classes.

Each weighted grade course listed below shall be given an additional grade point value of .025 per semester on a 4.0 scale. The additional grade point value will be added after the student's grades are averaged at the end of each semester.

Eligible courses receiving post-secondary credit are as follows:

- H AP[®] Art History (Online)
- H AP[®] Art & Design Drawing Painting
- H AP[®] Art & Design - 2D Design
- H AP[®] Art & Design Photography
- H AP[®] Art & Design - 3D Design
- H AP[®] Biology
- H AP[®] Calculus AB
- H AP[®] Calculus BC
- H AP[®] Chemistry
- H AP[®] Comparative Government & Politics
- H AP[®] Computer Science Java
- H AP[®] Computer Science Principles
- H AP[®] Environmental Science
- H AP[®] German V CAPP
- H AP[®] Human Geography
- H AP[®] Language & Composition 11
- H AP[®] Literature & Composition 12
- H AP[®] Microeconomics/Macroeconomics
- H AP[®] Music Theory
- H AP[®] Physics
- H AP[®] Pre-Calculus
- H AP[®] Psychology
- H AP[®] Spanish V CAPP
- H AP[®] Statistics
- H AP[®] U.S. Government and Politics
- H AP[®] United States History
- H Bioengineering Environmental Sustainability PLTW
- H Business Academy Capstone TC
- H Civil Engineering & Architecture PLTW
- H Contemporary Healthcare Practices/HCA TC
- H Contemporary Healthcare Practices TC
- H Digital Electronics PLTW
- H Entrepreneurship TC
- H Financial Accounting TC/CAPP
- H Food Service TC
- H Foundations of Early Childhood Education TC
- H Human Anatomy and Physiology (UWM)
- H Individual, School and Society CAPP
- H Personal Finance CAPP
- H Personal Finance CAPP Zero Hour
- H Information Technology Management TC
- H Information Technology TC
- H Introduction to Engineering Design PLTW
- H Managerial Accounting CAPP
- H Medical Terminology/HCA TC
- H Medical Terminology TC
- H Principles of Engineering PLTW
- H Survey of Physics TC

PLTW – Project Lead The Way
TC – Transcribed Credit

In addition, the following core subjects will receive honors credit:

- H Algebra 2
- H Biology
- H Chemistry I
- H Earth & Space Science
- H English 9

Sixteen Career Clusters and Their Pathways

- 
Agriculture, Food and Natural Resources
 Agribusiness Systems
 Animal Systems
 Environmental Service Systems
 Food Products and Processing Systems
 Natural Resources Systems
 Plant Systems
 Power, Structural and Technical Systems
- 
Architecture and Construction
 Construction
 Design/Pre-Construction
 Maintenance/Operations
- 
Arts, Audio/Video Technology and Communications
 Audio and Video Technology and Film
 Journalism and Broadcasting
 Performing Arts
 Printing Technology
 Telecommunications
 Visual Arts
- 
Business Management and Administration
 Administrative Support
 Business Information Management
 General Management
 Human Resources Management
 Operations Management
- 
Education and Training
 Administration and Administrative Support
 Professional Support Services
 Teaching/Training
- 
Finance
 Accounting
 Banking Services
 Business Finance
 Insurance
 Securities and Investments
- 
Government and Public Administration
 Foreign Service
 Governance
 National Security
 Planning
 Public Management and Administration
 Regulation
 Revenue and Taxation
- 
Health Science
 Biotechnology Research and Development
 Diagnostic Services
 Health Informatics
 Support Services
 Therapeutic Services
- 
Hospitality and Tourism
 Lodging
 Recreation, Amusements and Attractions
 Restaurants and Food/Beverage Services
 Travel and Tourism
- 
Human Services
 Consumer Services
 Counseling and Mental Health Services
 Early Childhood Development and Services
 Family and Community Services
 Personal Care Services
- 
Information Technology
 Information Support and Services
 Network Systems
 Programming and Software Development
 Web and Digital Communications
- 
Law, Public Safety, Corrections and Security
 Correction Services
 Emergency and Fire Management Services
 Law Enforcement Services
 Legal Services
 Security and Protective Services
- 
Manufacturing
 Health, Safety and Environmental Assurance
 Logistics and Inventory Control
 Maintenance, Installation and Repair
 Manufacturing Production Process Development
 Production
 Quality Assurance
- 
Marketing
 Marketing Communications
 Marketing Management
 Marketing Research
 Merchandising
 Professional Sales
- 
Science, Technology, Engineering and Mathematics
 Engineering and Technology
 Science and Math
- 
Transportation, Distribution and Logistics
 Facility and Mobile Equipment Maintenance
 Health, Safety and Environmental Management
 Logistics Planning and Management Services
 Sales and Service
 Transportation Operations
 Transportation Systems/Infrastructure Planning, Management, and Regulation
 Warehousing and Distribution Center Operations









HAVING A PURPOSE TO YOUR PLANNING

CAREER CLUSTER INFORMATION

The 16 Career Clusters

The 16 Career Clusters have been identified to help students develop a program of study with a purpose in mind. We have provided more detailed information in the pages that follow on the Career Clusters that have been identified in the state of Wisconsin. By clicking on the link below or the specific cluster link, you will see additional information on occupation titles, typical education required, annual median wage, and annual projected openings within the cluster. Parents, students, and counselors should have a conversation about post high school plans using this information and additional information found at:

<https://jobcenterofwisconsin.com/wisconomy/pub/careerclusters#Viz>

 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Agriculture, Food & Natural Resources</p>	<p><i>This Career Cluster is focused on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products or resources.</i></p>
 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Architecture & Construction</p>	<p><i>This Career Cluster is focused on careers in designing, planning, managing, building and maintaining the built environment.</i></p>
 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Arts, A/V Technology & Communications</p>	<p><i>This Career Cluster is focused on designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism and entertainment services.</i></p>
 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Business Management & Administration</p>	<p><i>This Career Cluster is focused on careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.</i></p>
 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Education & Training</p>	<p><i>This Career Cluster is focused on planning, managing and providing education and training services, and related learning support services.</i></p>
 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Finance</p>	<p><i>This Career Cluster is focused on planning, services for financial and investment planning, banking, insurance, and business financial management.</i></p>
 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Government & Public Administration</p>	<p><i>This Career Cluster is focused on planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.</i></p>
 <p>CareerClusters[®] PATHWAYS TO COLLEGE & CAREER READINESS</p> <p>Health Science</p>	<p><i>This Career Cluster is focused on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.</i></p>

 <p>Hospitality & Tourism</p>	<p><i>This Career Cluster is focused on management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.</i></p>
 <p>Human Services</p>	<p><i>This Career Cluster is focused on preparing individuals for employment in careers that relate to families and human needs such as counseling and mental health services, family and community services, personal care and consumer services.</i></p>
 <p>Information Technology</p>	<p><i>This Career Cluster is focused on building linkages in information technology occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.</i></p>
 <p>Law, Public Safety, Corrections & Security</p>	<p><i>This Career Cluster is focused on planning, managing, and providing legal, public safety and protective services and homeland security, including professional and technical support services.</i></p>
 <p>Manufacturing</p>	<p><i>This Career Cluster is focused on planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing, and process engineering.</i></p>
 <p>Marketing</p>	<p><i>This Career Cluster is focused on planning, managing and performing marketing activities to reach organizational objectives.</i></p>
 <p>Science, Technology, Engineering & Mathematics</p>	<p><i>This Career Cluster is focused on planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</i></p>
 <p>Transportation, Distribution & Logistics</p>	<p><i>This Career Cluster is focused on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.</i></p>

My top three Career Clusters of interest are:

1. _____
2. _____
3. _____

REGIONAL CAREER PATHWAYS

The Wisconsin **Regional Career Pathways (RCP)** approach is a statewide effort to deliver high-quality career pathways in high schools that reflect the needs and vision of a regional collaborative group of employers, education, and economic and workforce development. The collaborative provides the means necessary for students to participate and complete a pathway by:

- Taking a sequence of aligned courses,
- Earning an industry-recognized credential,
- Enrolling in dual college credit classes,
- Participating in career-based and work-based learning experiences, and
- Accessing related career and technical student organizations (CTSOs)

At Menomonee Falls High School, we have six approved regional career pathways in the areas below:

- [*Advanced Manufacturing Career Pathway*](#)
- [*Architecture and Construction Career Pathway*](#)
- [*Business Administration - Finance Career Pathway*](#)
- [*Direct Patient Care Career Pathway*](#)
- [*Education and Training Career Pathway*](#)
- [*Information Technology Career Pathway*](#)

OPPORTUNITIES TO EARN COLLEGE CREDIT

ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program gives students the opportunity to earn advanced placement, college credit, or both by taking an exam. Students participate in the course and pay a fee for each exam they choose to take.

AP[®] COURSES OFFERED AT MFHS ARE:

- H AP[®] Art History (Online)
- H AP[®] Art & Design - Drawing Painting
- H AP[®] Art & Design 2D Design
- H AP[®] Art & Design Photography
- H AP[®] Art & Design – 3D Design
- H AP[®] Biology
- H AP[®] Calculus AB
- H AP[®] Calculus BC
- H AP[®] Chemistry
- H AP[®] Comparative Government & Politics
- H AP[®] Computer Science Java
- H AP[®] Computer Science Principles
- H AP[®] Environmental Science
- H AP[®] German V CAPP
- H AP[®] Human Geography
- H AP[®] Language & Composition 11
- H AP[®] Literature & Composition 12
- H AP[®] Microeconomics/
Macroeconomics
- H AP[®] Music Theory
- H AP[®] Physics
- H AP[®] Pre-Calculus
- H AP[®] Psychology
- H AP[®] Spanish V CAPP
- H AP[®] Statistics
- H AP[®] U.S. Government and Politics
- H AP[®] U.S. History

Refer to www.collegeboard.org for additional information regarding other AP[®] Exams.

The College Board strongly recommends that a student take the appropriate AP[®] class prior to attempting to pass the AP[®] exam. While no one can absolutely guarantee that a student who takes the course will receive a satisfactory score on the exam, having taken the course would enhance his or her chances immeasurably. A fee is required to take the exam.

COOPERATIVE ACADEMIC PARTNERSHIP PROGRAM (CAPP)

The Cooperative Academic Partnership Program (CAPP) provides academically able high school students an opportunity to earn college credits while still in high school. Taking a CAPP course is an opportunity for students to concurrently earn MFHS and college course credits through UW-Oshkosh or Lakeland University. For students who elect to take a course for college credit, there is a cost for tuition.

The **purposes of CAPP** are to:

1. Offer the opportunity for academically qualified students to test the rigors of university coursework.
2. Offer a head start on college by providing academic credit which will facilitate subsequent studies and help set students apart from other college applicants.
3. Provide a gradual introduction and transition to university study.

Registration guidelines for CAPP are as follows:

JUNIORS and SENIORS need to meet ONE of the following requirements:

- Upper 25% of their class
- 3.25 GPA (and above) on a 4.0 scale
- ACT score of 24 or higher AND at least one of the following
 - Class rank in the top 50 % of their class or GPA of 2.75 or above on a 4.0 scale.

Please note: If a student is exceptional in a certain area in which he or she desires to take a CAPP course, but this student does not meet the above criteria, he or she may be allowed to enroll. Students should contact their instructor for additional information.

CAPP Program (Cooperative Academic Partnership Program)

MFHS COURSE TITLE	University	CAPP COURSE TITLE	COURSE LENGTH	COURSE #	CREDITS
H AP [®] German V CAPP (Seniors)	UW-Oshkosh	German 204 Fourth Semester German for CAPP	Year	43-248	5 awarded in June
H AP [®] Spanish V CAPP (Seniors)	UW-Oshkosh	Spanish 204 Fourth Semester Spanish for CAPP	Year	49-248	5 awarded in June
H Financial Accounting TC/CAPP	Lakeland University	Financial Accounting Principles	Year	ACC 210	3 awarded in June
H Managerial Accounting CAPP	Lakeland University	Managerial Accounting Principles	Semester	ACC 220	3 awarded in January
H Personal Finance CAPP	UW-Oshkosh	Personal Finance	Semester	BUS 231	3 awarded at Semester
H CAPP Course to be approved in early 2024	UW-Oshkosh		Year	EDU 201	3 awarded in June
H Human Anatomy & Physiology (BIO202 UWM)	UW-Milwaukee	H Human Anatomy & Physiology (BIO202 UWM)	Semester	BIO 202	4 awarded in January

TRANSCRIPTED CREDIT COURSES OFFERED AT MFHS

Transcripted credit agreements allow high school students to take WCTC courses at their high school and earn both WCTC transcripted credit and high school credit. Upon completion, students receive high school and college credit and can request a WCTC transcript. Those credits can be used toward a WCTC program program and could later be transferred to a four-year college or university.

Those planning to attend a UW-campus should contact a transfer representative at the intended institution. Additionally, agreements between WCTC and the UW System list specific and general education courses that may be accepted.

Please verify the availability and details of your program of interest with the transfer coordinator at the receiving institution.

WCTC has more information on their website: www.wctc.edu/become-a-student/credit-for-prior-learning/index.php

Students enrolled in the following high school classes will receive Technical College credit from WCTC or MATC at no cost to the student.

- H Business Academy Capstone TC (12)
- H Contemporary Healthcare Practices HCA/TC (10-12)
- H Contemporary Healthcare Practices TC (10)
- H Entrepreneurship TC (10-12)
- H Financial Accounting TC/CAPP (11-12)
- H Food Service TC (12)
- H Foundations of Early Childhood Education TC (11-12)
- H Information Technology TC (9-12)
- H Information Technology Management TC (10-12)
- H Medical Terminology TC (11-12)
- H Medical Terminology HCA/TC (11)
- H Survey of Physics TC (10-12)

PROJECT LEAD THE WAY (PLTW)

Project Lead The Way (PLTW) is the nation's leading provider of K-12 STEM programs. PLTW provides a comprehensive approach to STEM Education. Through activity-based, project-based, and problem-based curriculum, PLTW gives students a chance to apply what they know, identify problems, find unique solutions, and lead their own learning. PLTW's objective is to provide resources to students who wish to enter the science and engineering fields. The curriculum is based on real-world problem solving and business situations.

PLTW Courses offered at MFHS are as follows. Course descriptions can be found in the Technology Education and Engineering section of this guide.

- H Civil Engineering & Architecture PLTW (10-12)
- H Digital Electronics PLTW (10-12)
- H Bioengineering Environmental Sustainability PLTW (10-12)
- H Introduction to Engineering Design PLTW (9-12)
- H Principles of Engineering PLTW (10-12)

For more information please refer to the following website: www.pltw.org

OFF CAMPUS OPPORTUNITIES

EARLY COLLEGE CREDIT PROGRAM (ECCP)

The ECCP statute 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. While technical colleges are not eligible institutions under the new program, pupils that have completed 10th grade will continue to have the option to take courses at technical colleges through a separate statute, [38.12\(14\)](#).

The application deadline for courses to be taken in the fall semester is **March 1**. The application deadline for courses to be taken in the spring semester is **October 1**. If you have questions regarding ECCP, you must meet with your school counselor to discuss. For more information, please visit the Board of Education Policy/Procedure 343.3 – Early College Credit and Start College Now Programs Procedure.

<https://go.boarddocs.com/wi/mfalls/Board.nsf/Public#>

An application must be submitted to qualify for ECCP. For application and deadlines please visit:

<https://dpi.wi.gov/dual-enrollment/eccp/application>.

START COLLEGE NOW PROGRAM

“Start College Now”, (SCN) will allow high school students the opportunity to take college courses at Wisconsin Technical Colleges. Statute **38.12 (14)** lays out all the aspects of the program.

The application deadline for courses to be taken in the fall semester is **March 1**. The application deadline for courses to be taken in the spring semester is **October 1**. If you have questions regarding SCN, you must meet with your school counselor to discuss. For more information, please visit the Board of Education Policy/Procedure 343.3 – Early College Credit and Start College Now Programs Procedure.

<https://go.boarddocs.com/wi/mfalls/Board.nsf/Public#>

An application must be submitted to qualify for SNC. For an application and deadlines please visit:

<https://dpi.wi.gov/dual-enrollment/start-college-now>

WCTC Dual Enrollment Academy

WCTC's Dual Enrollment Academy is designed to provide high school seniors with a head start in jobs in high-demand fields while providing them an opportunity to earn college credits prior to high school graduation. The initiative awards participants with a WCTC diploma (upon successful completion) along with high school credits. This is a competitive program. **Students must apply in early March of their Junior year.**

Students will spend the majority of their school day, both fall and spring semesters of their senior year, at WCTC participating in the Dual Enrollment Academy. There is no cost to the high school student for participation in this program; however, students will be required to provide their own safety equipment (e.g. shoes or goggles), school supplies and transportation to and from WCTC.

Beyond gaining college credit, participation in the Dual Enrollment Academy helps high school students ease the transition from high school to post-secondary education, giving them insight into college academics. The initiative also benefits business and industry by having an immediate impact on private-sector employers looking for skilled talent. A great fit for this opportunity is a current junior with cumulative GPA of a 2.0 or higher. They should have an interest in one or more of the career opportunities listed below.

Past programs offered included:

- Automation Systems Technology (Robotics)
- Building Construction Trades
- Building Construction Trades – Electrical Apprenticeship Emphasis
- Criminal Justice Studies
- Early Childhood Education Preschool (Registry Credential)
- Firefighter/EMT
- IT Systems Specialist
- Pre-Nursing
- Tool and Die/CNC
- Welding/Fabrication

Please see your high school counselor for more information, or visit the WCTC website <http://www.wctc.edu/dual-enroll>

GPS EDUCATION PARTNERS PROGRAM

GPS Education Partners is an innovative educational model that uniquely prepares students to succeed in technical careers and promotes viability for business. Working collaboratively with school district partners, GPS identifies students who aspire to pursue a technical career and who will benefit from engaging differently in personalized, authentic, hands-on learning experiences. These students are invited to explore a fresh pathway toward high school graduation through GPS' unique, proven educational model. Students earn their diploma from their resident high school yet spend their junior and senior years fully immersed in education and training at local manufacturing companies.

In addition to a high school diploma, students are uniquely prepared for accelerated career and college pathways. All students have the opportunity to obtain stackable industry credentials, valuable employability skills and transferable, post-secondary college credits.

Learn more at <http://gpsed.org>.

EDUCATION FOR EMPLOYMENT OPPORTUNITIES



YOUTH APPRENTICESHIP

WHAT IS YOUTH APPRENTICESHIP?

The Wisconsin Youth Apprenticeship Program integrates school-based and work-based learning. The Program, offered and administered locally by regional consortia, includes uniform statewide curriculum guidelines. These guidelines are developed in collaboration with and endorsed by representatives from Wisconsin businesses, industry associations and trade representatives in each program area (described below). Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. They are also simultaneously enrolled in related classroom instruction that both supports meeting their high school graduation requirements and enhances what is being learned in the workplace. Students are instructed by qualified teachers and skilled worksite mentors. This **one- or two-year elective program** combines academic and technical instruction with mentored on-the-job training.

PROGRAM FRAMEWORK

Key elements of the Wisconsin Youth Apprenticeship program are:

- Industry-developed skill standards
- Exposure to multiple aspects of an industry
- Skilled mentors assigned to train students
- Paid on-the-job work experience
- Related classroom instruction concurrent with work-based learning
- Curriculum guidelines for all programs
- Performance evaluation of required skills
- State-issued Certificate of Occupational Proficiency upon completion

The standard two-year youth apprenticeship (Level Two) requires four semesters of apprenticeship-related classroom instruction and a minimum of 900 hours of work-based learning. It traditionally occurs during the student's junior and senior years in high school.

WHO IS ELIGIBLE TO BE A YOUTH APPRENTICE?

- All students who have junior standing (20 credits at end of sophomore year).

Level One	Level Two
<ul style="list-style-type: none">● Junior OR Senior year of High School● MINIMUM of 450 hours of work-based learning● 2 semesters of related classroom instruction	<ul style="list-style-type: none">● Junior AND Senior year of High School● MINIMUM of 900 hours of work-based learning● 4 semesters of related classroom instruction

HOW DO STUDENTS ACCESS THE YOUTH APPRENTICESHIP PROGRAM?

- See your School Counselor or the Coordinator of Career Programming, Ms. Kiefer

WHAT APPRENTICESHIP PROGRAMS ARE AVAILABLE?

Agriculture, Food and Natural Resources (AFNR)	Architecture and Construction
Agriculture Mechanic Technician, Animal Fundamentals, Animal/Herd, Arborist, Crops, Dairy Grazier, Environmental Systems: Basic and Advanced Water Resources, Floral/Greenhouse, Landscaping, Plant Fundamentals, Small Animal/Vet Tech	Architectural Drafting and Planning, Carpentry Fundamentals, Electric Fundamentals, Gas Distribution Technician, Heavy Equipment Operator and Operating Engineer, Masonry/Concrete Fundamentals, Mechanical/HVAC Fundamentals, Plumbing/Sprinkler Fitting Fundamentals, Utilities Field Technician
Arts, Audio Visual Technology, and Communications	Business Administration
Graphic Design, Media Broadcast Technician, Pre-Press Operator, Press and Post-Press Operator	Administrative Professional, Human Resource Professional
Education	Finance
Early Childhood Education, School Age Education	Accounting, Banking, Insurance
Health Science	Hospitality and Tourism
Dental Assistant, Dietary Aide, Medical Assistant, Medical Imaging, Medical Laboratory Assistant, Medical Office, Nursing Assistant, Optical Assistant, Pharmacy Technician, Phlebotomist, Physical Therapy Aide, Resident Aide	Food and Beverage Service, Lodging, Meetings and Events
Information Technology	Manufacturing
IT Broadband Technician, IT Essentials, IT Network and Security, IT Software and Application Development	Assembly and Packaging, Electromechanical/ Mechatronics, Industrial Equipment, Machining, Manufacturing Processes, Production Operations, Welding
Marketing	Science, Technology, Engineering & Math (STEM)
Marketing Communications, Marketing Management, Marketing Research/Competitive Intelligence, Merchandising, Professional Sales	Bioscience Lab Foundations, Bioscience Applications, Civil Engineering, Engineering Drafting, Mechanical/ Electrical Engineering
Transportation, Distribution and Logistics	
Airframe and Powerplant (A&P) Technician, Airport Operations and Management, Auto Technician, Aviation Maintenance Fundamentals, Avionics Technician, Collision Repair, Diesel Technician, Distribution and Transportation Operations, Inventory Management, Planning and Purchasing, Storage and Warehousing, Supply Chain Assistant	
For further information on Youth Apprenticeship Occupational Area Programs and Pathways: https://dwd.wisconsin.gov/apprenticeship/ya/skills-checklists.htm	

YOUTH APPRENTICESHIP

YA – Youth Apprenticeship

One year course

Grade 12

Prerequisite: YA Instructor Approval

Course Numbers:

Youth Apprenticeship Hour 1

Semester 1: CTE417

Semester 2: CTE418

Youth Apprenticeship Hour 2

Semester 1: CTE419

Semester 2: CTE420

Youth Apprenticeship Hour 3

Semester 1: CTE421

Semester 2: CTE422

Youth Apprenticeship Hour 4

Semester 1: CTE423

Semester 2: CTE424

Youth Apprenticeship Hour 5

Semester 1: CTE425

Semester 2: CTE426

Youth Apprenticeship Hour 6

Semester 1: CTE427

Semester 2: CTE428

Youth Apprenticeship Hour 7

Semester 1: CTE429

Semester 2: CTE430

Youth Apprenticeship Hour 8

Semester 1: CTE431

Semester 2: CTE432

The Wisconsin Youth Apprenticeship Program integrates school-based and work-based learning. The Program, offered and administered locally by regional consortia, includes uniform statewide curriculum guidelines. These guidelines are developed in collaboration with and endorsed by representatives from Wisconsin businesses, industry associations and trade representatives in each program area (described below). Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. They are also simultaneously enrolled in related classroom instruction that both supports meeting their high school graduation requirements and enhances what is being learned in the workplace. Students are instructed by qualified teachers and skilled worksite mentors. This **one- or two-year elective program** combines academic and technical instruction with mentored on-the-job training.

Students must have an appropriate job secured within the first two weeks of the school year or they will be dropped from the course. The work-site must be approved by the program instructor. Students must work 225 hours per semester to earn credit.

Students must be enrolled in a related course each semester.

INTERNSHIP

The Internship program is a work experience program designed to complement and supplement courses in the Career and Technical Education (CTE) areas: Business and Information Technology, Family and Consumer Science, and Technical Education and Engineering. Internship is available to **Seniors Only**. Course numbers are listed under the individual departments.

Students enrolled in the Internship program work at school-approved job sites related to their career objectives. To complete the course successfully and earn credit, students must complete the required documentation of their work experience during the course. Internship participants will receive ONE (1) credit per semester and will be excused for 1, 2, 3 or 4 school hours. Students who register for this program must be interviewed by the program Instructor before registration is final. **Students must have an appropriate job secured within the first two weeks of the school year or they will be dropped from the course. Students must work a minimum of 180 hours per semester to earn credit (minimum of 360 per year).**

To be enrolled in Internship, students must simultaneously be taking any one of the following courses each semester (or a year-long course):

BUSINESS EDUCATION

- Accounting I (Regular/Honors)
- Business Communication
- Business and Personal Law
- H Business Academy Capstone TC
- H Entrepreneurship TC
- H Financial Accounting TC/CAPP
- H Information Technology TC
- H Information Technology Management –TC
- H Managerial Accounting CAPP
- Digital Marketing and Social Media Management
- International Business
- Marketing Principles
- Personal Finance (Regular/Honors CAPP)

FAMILY AND CONSUMER SCIENCE

- Foundations of Early Childhood Education TC
- Child Development
- Foods for Wellness
- H Food Service TC
- Healthcare Academy Capstone
- Introduction to Foods Careers
- Introduction to Healthcare TC
- Introduction to Human Services
- H Medical Terminology TC
- H Medical Terminology/HCA TC
- H Contemporary Healthcare Practices/HCA TC
- Regional and Foreign Foods
- Relationships

TECHNICAL EDUCATION AND ENGINEERING

- Advanced Manufacturing & Metals
- Civil Engineering & Architecture PLTW
- H Digital Electronics PLTW
- H Introduction to Engineering Design PTLW
- Introduction to Manufacturing-Metal
- Introduction to Manufacturing-Wood
- H Principles of Engineering PLTW
- STEM Academy Capstone

INTERNSHIP

Internship

One-year Course

Grade 12

Prerequisite: Internship Instructor Approval

Course Numbers:

Internship Hour 1

Semester 1: CTE401

Semester 2: CTE402

Internship Hour 2

Semester 1: CTE403

Semester 2: CTE404

Internship Hour 3

Semester 1: CTE405

Semester 2: CTE406

Internship Hour 4

Semester 1: CTE407

Semester 2: CTE408

Internship Hour 5

Semester 1: CTE409

Semester 2: CTE410

Internship Hour 6

Semester 1: CTE411

Semester 2: CTE412

Internship Hour 7

Semester 1: CTE413

Semester 2: CTE414

Internship Hour 8

Semester 1: CTE415

Semester 2: CTE416

The Internship program is a work experience program designed to complement and supplement courses in the Career and Technical Education areas: Business and Information Technology, Family and Consumer Science, and Technical Education and Engineering. Internship is available to Seniors Only.

Students enrolled in the Internship program work at school-approved job sites related to their career objectives. To complete the course successfully and earn credit, students must complete the required documentation of their work experience during the course. Internship participants will receive ONE (1) credit per semester and will be excused for approximately 1-4 school hours. Students who register for this program must be interviewed by the program instructor before registration is final. **Students must have an appropriate job secured within the first two weeks of the school year or they will be dropped from the course. The work-site must be approved by the program instructor. Students must work 180 hours per semester to earn credit.**

Students must be enrolled in a related Career and Technical Education (CTE) course each semester.

CAREER ACADEMIES and CERTIFICATE OPPORTUNITIES AT MFHS

MFHS has five Career Academies and one Certificate Opportunity:

- Business Academy
- Creative Academy
- Educator Academy
- Global Scholars Program (GSP)
- Healthcare Academy
- STEM (Science Technology Engineering & Math) Academy

The purpose of the Career Academy model is to provide integrated learning experiences to students using the career area as the lens to cover the content. In addition to coursework, students complete activities outside of class including co-curricular activities, job shadowing, volunteer and/or work experience in the career field. Students apply second semester of 9th grade and start in the academy in 10th grade.

The Global Scholars Program differs from the Career Academies in that the focused set of courses, cultural experiences and community connections could be applied to any career strand. The GSP requires a global service project and a capstone project. Students may achieve the GSP while participating in another career academy. Students may begin working on the GSP in 9th grade.

A Career Academy Endorsement on the High School Diploma will be awarded to students who fulfill the requirements of each of these major components of an Academy. The designation of “Global Scholar” will be entered on the student transcript for those who complete the GSP. More detailed information on these opportunities can be found on the following pages.

1. Sequence of courses
2. Co-Curricular Connection
3. Community Engagement
4. Capstone Course/Project

Students will be able to reference the Academy or certificate endorsement on a resume, during interviews and on college applications.

Applications are required at the end of January. Registration for appropriate courses is completed during the course registration in February. Applications for the GSP are prior to senior year.

Further information is provided on the subsequent pages.



Menomonee Falls BUSINESS ACADEMY

Preparing students for career, college, and

A Business Academy Endorsement on the High School Diploma will be awarded to students who complete the requirements of the academy.

Overall Requirements

REQUIRED COURSEWORK (Grades 9-11)

- **Grade 9** (*Apply for Academy after Semester 1*)
 - Business Ventures or Marketing Principles AND H Information Technology TC
- **Grade 10**
 - H Accounting 1 or Accounting 1 Regular AND H Information Technology TC (if not completed in Gr 9)
- **Grade 11** – *Choose one of four pathways with embedded business standards and suggested courses [see grid below]*

Management/Administration	Accounting/Finance	Marketing/Entrepreneurship	Management Info Systems
CEO/COO, Communications, Human Resources, Operations	Accountant, Auditor, Banking, Finance, Insurance	Advertising, Own/Operate a Business, Public Relations	Database/Network Analyst, Programmer, Web Designer
<ul style="list-style-type: none"> ● Business Communications ● Business Law ● H AP Psychology ● H Information Technology Management TC 	<ul style="list-style-type: none"> ● Advanced Math Courses ● H Financial Accounting TC/CAPP ● H Information Technology Management TC 	<ul style="list-style-type: none"> ● Business Law ● H AP Psychology ● H Entrepreneurship TC ● International Business 	<ul style="list-style-type: none"> ● Cybersecurity ● H Information Technology Management TC ● Digital Marketing & Social Media Management

REQUIRED COURSEWORK (Grade 12)

- **Grade 12** – *Business Academy Capstone TC and choose recommended courses based on selected pathway [see grid below]*

Management/Administration	Accounting/Finance	Marketing/Entrepreneurship	Management Info Systems
<ul style="list-style-type: none"> ● AP Calc/AP Stats ● AP Micro/Macro Econ ● Business Math 	<ul style="list-style-type: none"> ● AP Calc/AP Stats ● AP Micro/Macro Econ ● H Managerial Acct CAPP 	<ul style="list-style-type: none"> ● AP Calc/AP Stats ● AP Micro/Macro Econ ● Business Math 	<ul style="list-style-type: none"> ● AP Computer Science Principles ● AP Java

- **Co-Curricular Connection**
 - Active involvement in one of the components of FBLA (community service, school store, leadership conferences, or competitions)
 - Grade 10 students must participate in three of the business exposure/college field trips and complete written reflections
- **Community Engagement**
 - Grade 11 students must complete 2 Job Shadows (4+ hours each) and complete written reflections
 - Grade 12 students must complete 20 hours of volunteer experience in a related field as a requirement in the Business Academy Capstone course

For more information, contact:

MRS. STURM
 BUSINESS ACADEMY/CAPSTONE INSTRUCTOR
Stursar@sdmfschools.org

MS. KIEFER
 COORDINATOR OF CAREER PROGRAMMING
KiefLis@sdmfschools.org



The Creative Academy

A Design and Media Academy Endorsement on the High School Diploma will be awarded to

Overall Requirements	
COURSE WORK	
<ul style="list-style-type: none"> • Introduction to Digital Media -REQUIRED COURSE • Graphic Design 1 -REQUIRED COURSE • Media Production 1 -REQUIRED COURSE • +3 additional strand-specific courses [see grid below] 	
CO-CURRICULAR CONNECTION	
<ul style="list-style-type: none"> • 2 field trips related to career or college post-secondary opportunities during 10th-12th grade, accompanied by a written reflection (submitted via Google Form) • Active involvement in at least one creative co-curricular activity • Falls Creative, Yearbook, FBLA Reg and/or State 	
COMMUNITY ENGAGEMENT	
<ul style="list-style-type: none"> • 2 Job Shadows (4+ hours each) during 10th-12th grade, accompanied by a written reflection (submitted via Google Form) • 20 hours of volunteer experience in a related field during 9th - 12th grade [Participation in groups/clubs related to this academy contributes to this total] 	
CAPSTONE EXPERIENCE (12th grade) Select DESIGN or MEDIA	
<ul style="list-style-type: none"> • The capstone experience will provide opportunities to apply skills and concepts in a problem-based extensive project. In addition, students will create an electronic career portfolio [webpage] and will share final projects with the community in a public showcase event • Exit Survey and Interview with Academy Manager 	
9th Grade	
<ul style="list-style-type: none"> • Apply for academy 	
9th, 10th, 11th Grade :: REQUIRED COURSES	
<ul style="list-style-type: none"> • Introduction to Digital Media • Media Production 1 • Graphic Design 1 	
9th - 12th Grade :: CHOOSE A STRAND <small>[select 3 courses in your strand]</small>	
Design & Communication (plus capstone) <ul style="list-style-type: none"> • Graphic Design 2 • Digital Illustration & Painting 1 • Digital Illustration & Painting 2 	Media & Communication (plus capstone) <ul style="list-style-type: none"> • Media Production 2 • Digital Music Production 1 • Digital Music Production 2
Students may also take further elective courses which align with selected career pathway	
12th Grade :: AVAILABLE CAPSTONE COURSES	
Design = AP 2D Design	Media = Media Production 3



MS. CHMIELEWSKI
Creative Academy Manager
chmitter@sdmfschools.org

MS. KIEFER
COORDINATOR OF CAREER PROGRAMMING
kiefliis@sdmfschools.org

EDUCATOR ACADEMY



The Human Services Career Academy (formerly the Educator Academy) is a four-component learning experience, which develops a comprehensive understanding of careers in education and protective services and related fields. A Human Services Endorsement on the High School Diploma will be awarded to students who complete the academy’s requirements.

Sequence of Courses:

Grade 10	Grade 11	Grade 12
Introduction to Education	Honors CAPP Course to be approved in early 2024	H Educator Academy Capstone CAPP
Other Requirements (to be taken anytime during Grades 10-12) H Foundations of Early Childhood Education TC H AP Psychology or Sociology		
Other Suggested courses (to be taken anytime during Grades 10-12) Child Development H AP Psychology or Sociology Introduction to Human Services Courses which align with the student’s area of interest		



Co-Curricular Connection: Best Buddies, Coaching, Kids Inc., Link Leader, SERVE, Summer School EA, etc.

Community Engagement: Students must complete a total of 8 hours of job shadow experience and a total of 20 hours working/volunteering in an educator capacity for our community. In addition, student will complete related on-the-job experiences which can include a Youth Apprenticeship in Education.

Capstone Course: Students will explore theories ad themes in Education through reading, classroom experiences, coursework, and reflection. Students will collaborate with professionals and each other to further understand the world of education and their place in it. A capstone experience and project will conclude this third course in the Educator Academy series.

For more information regarding the Educator Academy, please contact:

Jennifer Moore – MoorJen@sdmfschools.org;

Elizabeth Borg – BorgEli@sdmfschools.org

Coordinator of Career Programming – Lisa Kiefer – KiefLis@sdmfschools.org

GSP - Global Scholars Program



Global Scholars Program

Promoting:
 Global Awareness
 Cultural Sensitivity
 Linguistic Proficiency

Students who demonstrate a strong interest in **global citizenship** and wish to engage in co-curricular activities and experiences that foster the development of **global competencies** should consider enrolling in the Global Scholars Program (GSP) program.

- Students must complete the required criteria in all **FOUR** of the categories listed below.
- Students who complete the GSP will receive a certificate of completion from the state superintendent.
- The designation of “Global Scholar” will be entered on the student transcript.

A. COURSE REQUIREMENTS (students must maintain a B average in program courses)

9th grade

- World History / H AP Human Geography*
- First or Second year of a World Language

10th grade

- Second or Third year of a World Language

11th grade

- Third or Fourth year of a World Language

12th grade

- Fourth or Fifth year of a World Language

*Additionally, students must choose **4 semesters** worth of the following courses:*

ONE semester courses

- Contemporary Issues
- Exploring World Cultures & Connections
- International Business
- Intro. to Social Sciences
- Sociology
- Economics
- Global Foods

TWO semester courses

- H AP Human Geography (only if World History **was taken** freshman year)
- H AP Art History (online)
- H AP Comparative Government
- H AP Environmental Science
- H AP Microeconomics / AP Macroeconomics
- H AP Statistics
- H Bioengineering Environmental Sustainability PLTW
- H Entrepreneurship TC
- Second World Language (at least one year)

B. CULTURAL LITERACY REQUIREMENT

Students must complete reflections on **eight** works of international/cultural media. Materials may include: film, music, art exhibits, pod casts, and literature. At least **4 books** are required.

C. CULTURAL ACTIVITIES

Students must participate in at least **FOUR** cultural activities during their high school career. Reflections are required for each activity. Events must have a global focus. If students find an activity that is not included on the list, it **MUST** be approved before attending.

Activities may include:

- ◆ Attend the International Folk Fair (November)
- ◆ Attend/Participate in the MFHS Culture Fair (Spring)
- ◆ Attend Concordia Language Village immersion weekend
- ◆ Participate in a study abroad program sponsored by MFHS
- ◆ Attend German Fest, Festa Italiana, Mexican Fiesta, Irish Fest, etc. in Milwaukee
- ◆ Host an exchange student
- ◆ Be an active participant in International Club (5 or more meetings/year)

See GSP coordinator for a full list of activity ideas.

D. COMMUNITY CONNECTION

Students must complete a global/cross-cultural public service project, involving at least **20 hours** of work connected to a global community (different from their own) or to a global issue. A reflection must be completed at the end of their project.

For their SENIOR YEAR, students will create a poster session from their reflections to report their findings to parents and the community. These sessions will be held during the SDMF Culture Fair in the spring.

For more information, please contact
Ms. Backhaus (backjes@sdmfschools.org / room 241)

HEALTHCARE ACADEMY

A Healthcare Academy Endorsement on the High School Diploma will be awarded to students who complete the requirements of the academy by the end of the Capstone course.

1. Required career and integrated coursework.
2. Minimum of 8 hours of job shadows.
3. Minimum of 20 hours of work and/or volunteering in a healthcare setting.
4. Capstone research project.
5. Participation in HOSA highly encouraged.



SEQUENCE OF COURSES FOR HEALTHCARE ACADEMY

9th or 10th grade Introduction to Healthcare



10th grade Integrated courses:
 H Contemporary Healthcare Practices TC
 H English 10 HCA or English 10 HCA
 Chemistry is recommended.



11th grade H Medical Terminology HCA/TC
(Concurrent enrollment in Anatomy & Physiology is recommended.)
 Choose one of four pathways



4+ Advanced Degree	Bachelor's Degree	Associate Degree	Medical Administration
MD, DVM, Pharmacist, Dentist	RN, Therapist, Physical Trainer	X-Ray Tech, Lab Tech, Medical Coder	Healthcare Administrator
-Anatomy & Physiology -Physics -H AP Biology -H AP Chemistry -English 11	-Chemistry 1 -Anatomy & Physiology -H AP Biology -H AP Chemistry -English 11	-Chemistry 1 -English 11	-Accounting 1 -Anatomy & Physiology -English 11



12th Grade Healthcare Academy Capstone
 Students may also take further elective courses which align with career pathway.

For more information regarding the Healthcare Academy, please contact:

Ms. Jennifer Tarcin at tarcjen@sdmfschools.org

Ms. Cyndi Kessler at kesscyn@sdmfschools.org

MS. KIEFER
 COORDINATOR OF CAREER PROGRAMMING
KiefLis@sdmfschools.org



Science, Technology, Engineering, and Math

The STEM Career Academy is a four-component learning experience which develops a comprehensive understanding of careers in Science, Technology, Engineering and Mathematics. A STEM Endorsement on the High School Diploma will be awarded to students who complete the academy's requirements.

STEM ACADEMY COURSE SEQUENCE

Grade	Applied Technology	Computer Science	Engineering
9th Grade (Suggested)	<ul style="list-style-type: none"> • Intro to Manuf & Metal or • Intro to Manuf & Wood or • Construction & Building Technology 	<ul style="list-style-type: none"> • Computer Science 1- (Sem 1) • Computer Science 2- (Sem 2) 	<ul style="list-style-type: none"> • H Introduction to Engineering & Design PLTW
10th Grade	<ul style="list-style-type: none"> • Advanced Construction & Building Technology or • Advanced Manufacturing & Metals 	<ul style="list-style-type: none"> • H AP Computer Science Principles 	<ul style="list-style-type: none"> • H Principles of Engineering PLTW
11th Grade	<ul style="list-style-type: none"> • Independent Study Tech Ed or • Building Trades Youth Apprenticeship or • Manufacturing Youth Apprenticeship 	<ul style="list-style-type: none"> • H AP Computer Science Java • H Advanced Programming • H Cybersecurity 	<ul style="list-style-type: none"> • H Civil Engineering/Architecture PLTW • H Digital Electronics PLTW • H Bioengineering Environmental Sustainability PLTW
12th Grade	<ul style="list-style-type: none"> • WCTC Dual Enrollment • Youth Apprenticeships 	<ul style="list-style-type: none"> • H Advanced Programming • H Cybersecurity • STEM Academy Capstone or Youth Apprenticeships • Additional Math & Science courses 	<ul style="list-style-type: none"> • STEM Academy Capstone or Youth Apprenticeships • Additional Math & Science courses

Co-Curricular Connection:

STEM Academy students can be active in Robotics Club, Tech Force, Math Club, Summer Enrichment, Coding Club or Gaming Club. Work experience such as Youth Apprenticeship and Internship contribute to real world application.

Community Engagement:

At least 8 hours of job shadowing in a related STEM field is required. At least 20 hours of volunteer or work experience in a related STEM field is required. Participation in groups/clubs related to STEM contributes to this total.

Capstone Course:

The STEM Capstone course will reflect core content knowledge as well as leadership, writing skills, project management and organization. Students will share final projects with the community in a STEM showcase event.

For more information regarding the STEM Academy, please contact:
 Mr. Bret Warner, *Technology*, warnbre@sdmfschools.org
 Mrs. Brenda Larson, *Computer Science/Math*, LarsBre@sdmfschools.org
 Ms. Lisa Kiefer, *Coordinator of Career Programming*, KiefLis@sdmfschools.org

DEPARTMENTS & COURSE DESCRIPTIONS

NEW COURSE OFFERINGS 2024-2025

Course Title	Department	Course Number	Length	Grade Levels
Art Metals & Sculpture 1 (formerly Art Metals & Design)	ART	AR163	Semester	10-12
Art Metals & Sculpture 2 (formerly Sculpture 2)	ART	AR164	Semester	10-12
Digital Illustration & Painting 1 (Formerly Digital Illustration & Painting)	ART	AR165	Semester	10-12
Digital Illustration & Painting 2 (Digital Photography 2)	ART	AR154	Semester	10-12
Drawing 1 (Formerly Drawing & Illustration)	ART	AR157	Semester	10-12
Drawing 2	ART	AR152	Semester	10-12
Graphic Design 1 (formerly Computer Design 1)	ART	AR158	Semester	10-12
Graphic Design 2 (formerly Computer Design 2)	ART	AR159	Semester	10-12
Introduction to Digital Media (formerly Digital Photography 1)	ART	AR156	Semester	9-12
Introductions to 2D (formerly Design)	ART	AR153	Semester	9-12
Introductions to 3D (formerly Sculpture 1)	ART	AR155	Semester	9-12

Alternative Education

Mission Statement:

The Alternative Education Department of Menomonee Falls High School recognizes each student's individuality and provides a variety of pathways and options for students to find success and pursue excellence in their educational endeavors.

Credit Recovery (Edmentum)

Our computer-based edmentum courses are a self-paced opportunity for students to recover credits in the core curriculum. Students who have not passed a required course may be referred to this credit recovery program by a counselor or administrator. Classes are held in our Online Learning Lab.

Off Campus Alternative Options

Students must be referred by a counselor or administrator.

- GPS Education Partners Program – see page 19
- Quest

Students may be placed in other off-campus programs based on IEP team decisions.

Online Opportunities

Online Enrichment Courses

Online courses are an opportunity for students to expand their learning experience beyond the course offerings at Menomonee Falls High School, or enroll in a course that otherwise may not fit in their schedule. ***Each of the following courses has a limited number of seats available. Due to the rigor and time commitment of these courses, a selection process will be used to determine a student's readiness for the course.*** Students interested in enrolling in an online course should contact their assigned counselor for more information, guidelines, and approval forms. Classes are held in our Online Learning Lab.

Course Title	Course Number	Length	Year Taken
H AP [®] Art History	AR111/AR112	Year	11-12
Forensic Science I	SC512	Semester	11-12
Veterinary Science	SC670	Semester	11-12
French I	WL510/WL511	Year	10-12
French II	WL514/WL515	Year	11-12
H French III	WL516/WL517	Year	11-12
Japanese I	WL211/WL212	Year	11-12
Japanese II	WL221/WL222	Year	11-12

H AP[®] ART HISTORY

One Year Course

Grades 11-12

Prerequisite: None

Course Number:

Semester 1: AR111

Semester 2: AR112

This course is designed to provide college-level instruction in art history and prepare students for the AP exam in early May. This course is divided into two 18-week semesters during which the students will examine major forms of artistic expression from the past and present and from a variety of cultures. Students will learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience.

FORENSIC SCIENCE I

One Semester Course

Grades 11-12

Prerequisite: None

Course Number: SC512

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

VETERINARY SCIENCE

One Semester Course

Grades 11-12

Prerequisite: None

Course Number: SC670

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and

VETERINARY SCIENCE (Continued)

treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times...we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

FRENCH I

One Year Course

Grades 10-12

Prerequisite: Successful completion of any world language

Course Number:

Semester 1: WL510

Semester 2: WL511

Students begin their introduction to French by focusing on the four key areas of foreign language study: listening, speaking, reading, and writing. The course represents an ideal blend of language learning pedagogy and online learning.

Each unit consists of a new vocabulary theme and grammar concept, reading and listening comprehension activities, speaking and writing activities, multimedia cultural presentations, and interactive activities and practices which reinforce vocabulary and grammar. There is a strong emphasis on providing context and conversational examples for the language concepts presented in each unit.

Students should expect to be actively engaged in their own language learning, become familiar with common vocabulary terms and phrases, comprehend a wide range of grammar patterns, participate in simple conversations and respond appropriately to basic conversational prompts, analyze and compare cultural practices, products, and perspectives of various French-speaking countries, and take frequent assessments where their language progression can be monitored. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

FRENCH II

One Year Course

Grades 11-12

Prerequisite: Successful completion of French I

Course Number:

Semester 1: WL514

Semester 2: WL515

Students continue their study of French in this level two course by building on and expanding listening, speaking, reading, and writing skills. Constant use of authentic videos, images, audio, and text (including literary texts) provide greater contextualization of key learning concepts and cultural information relevant to Francophone countries and communities. The course follows a linear version but each lesson can stand on its own, this allowing greater flexibility in the creation of playlists. A wide range of activities engages students to continue to develop metacognitive strategies by processing authentic input in order to produce both spoken and written French. Task-based projects allow for individual and collaborative creation, negotiation, and presentation within the target language.

H FRENCH III

One Year Course

Grades 11-12***Prerequisite: Successful completion of French II***

Course Number:

Semester 1: WL516

Semester 2: WL517

Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in both formal and informal spoken and written contexts.

Students should expect to be actively engaged in their own language learning, use correct vocabulary terms and phrases naturally, incorporate a wide range of grammar concepts consistently and correctly while speaking and writing, participate in conversations covering a wide range of topics, respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French speaking countries, read and analyze important pieces of literature, and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

JAPANESE I

One Year Course

Grades 11-12***Prerequisite: Successful completion of any world language***

Course Number:

Semester 1: WL211

Semester 2: WL212

This is the first course in a two-course sequence and focuses on the most widely used Japanese syllabic writing system (Hiragana) and greetings and phrases used in everyday communication and contemporary Japanese cultures. Lessons are built upon familiar topics such as self, family, school, and friends to provide meaningful contexts to develop everyday conversation skills. Each lesson is designed to help students learn Hiragana gradually through decoding words and reading to speak conversational expressions. The course includes audio and video learning objects to demonstrate native Japanese speaker's pronunciation, which supports students in building their interpersonal and interpretive fluency in Japanese.

See your counselor for more information regarding this course.

JAPANESE II

One Year Course

Grades 11-12***Prerequisite: Successful completion of Japanese I***

Course Number:

Semester 1: WL221

Semester 2: WL222

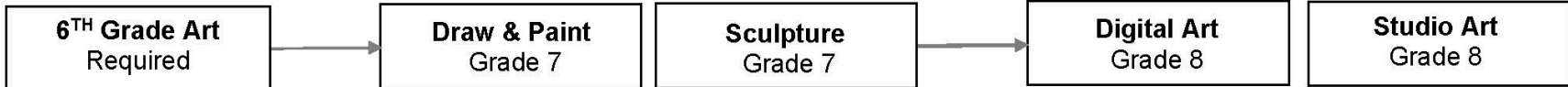


Menomonee Falls

ART & DESIGN

Course Offerings Grades 6-12

NORTH MIDDLE SCHOOL

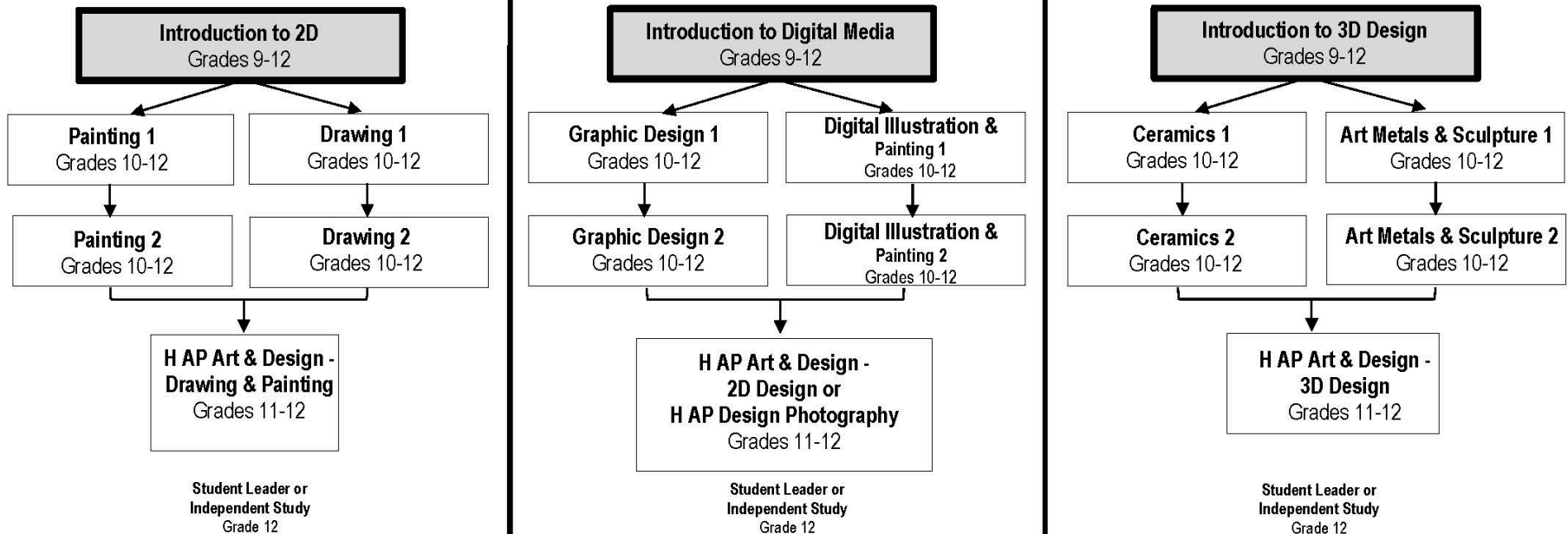


HIGH SCHOOL

2D Courses

Digital Media Courses

3D Design



Art & Design

Mission Statement:

Menomonee Falls School District Art Education provides students the opportunity to create, understand, and appreciate art. Students learn to express themselves, analyze works of art, and study the history of art. In addition, students develop creative thinking, problem solving and visual communication skills necessary to become valuable members of their community.

Course Title	Course Number	Length	Year Taken
Introduction to 2D (Formerly Design and Fibers & Fashion)	AR156	Semester	9-12
Introduction to 3D (Formerly Sculpture 1)	AR153	Semester	9-12
Introduction to Digital Media (Formerly Digital Photography 1)	AR155	Semester	9-12
Art Metals & Sculpture 1 (Formerly Sculpture 2)	AR163	Semester	10-12
Art Metals & Sculpture 2 (Formerly Art Metals and Design)	AR164	Semester	10-12
Ceramics 1	AR250	Semester	10-12
Ceramics 2	AR260	Semester	10-12
Drawing Illustration & Painting 1 (Formerly Digital Illustration & Painting)	AR165	Semester	10-12
Drawing Illustration & Painting 2 (Formerly Digital Photography 2)	AR154	Semester	10-12
Drawing 1	AR157	Semester	10-12
Drawing 2	AR152	Semester	10-12
Graphic Design 1	AR158	Semester	10-12
Graphic Design 2	AR159	Semester	10-12
Painting 1	AR330	Semester	10-12
Painting 2	AR350	Semester	10-12
H AP [®] Art & Design - Drawing Painting	AR196/AR197	Year	11-12
H AP [®] Art & Design - 2D Design	AR198/AR199	Year	11-12
H AP [®] Art & Design Photography	AR194/AR195	Year	11-12
H AP [®] Art & Design - 3D Design	AR192/AR193	Year	11-12
Student Leader		Semester	12
H AP [®] Art History (Online)	AR111/AR112	Year	11-12

All courses in the Art Department require a class fee payable at registration or at the front office. Students may also need to purchase some supplies for their own use.

INTRODUCTION TO 2D

One Semester Course

Grades 9-12

Prerequisite: None

Course Number: AR156

The 2D foundation art course offers a fundamental and immersive initiation into the realm of two-dimensional visual artistry, providing students with a robust understanding of design principles such as balance, contrast, emphasis, rhythm, and unity. Through hands-on exploration and guided instruction, students acquire the skills and knowledge vital for success across diverse art and design disciplines. Emphasizing the development of core drawing skills, the course also introduces students to a rich array of 2D art materials, including paper, canvas, and printmaking mediums, fostering a multifaceted creative perspective.

INTRODUCTION TO 3D

One Semester Course

Grades 9-12

Prerequisite: None

Course Number: AR2153

The 3D foundation art course offers an introductory course that serves as a gateway to the dynamic world of three-dimensional artistry, offering students fundamental knowledge of key concepts and mediums. Throughout the curriculum, students will develop a strong understanding of essential 3D art principles, including form, space, volume, and perspective, while honing their ability to translate 2D concepts into tangible 3D representations. Encouraging creative thinking and problem-solving, the course equips students to tackle design challenges using a variety of materials such as clay, wire, wood, plaster, paper mâché, and found objects, fostering spatial and sculptural thinking abilities.

INTRODUCTION TO DIGITAL MEDIA

One Semester Course

Grades 9-12

Prerequisite: Ceramics 1

Course Number: AR153

This introduction course serves as a fundamental and comprehensive introduction to the world of digital media. The projects are concept based allowing students a great degree of individuality and personal choice that provides students with the essential skills, knowledge, and creative perspectives necessary for success in graphic design, photo manipulation and digital illustration. Precision, craftsmanship and creativity are emphasized. Abstract and Realistic art are explored through imagination, observation and design. Personal responsibility, self-motivation, and good problem-solving skills are essential for success in this class.

ART METALS & SCULPTURE 1

One Semester Course

Grades 10-12

Prerequisite: Introduction to 3D

Course Number: AR163

The Art Metals & Sculpture 1 course at our high school is designed to expand upon the 3D art skills acquired in the Introduction to 3D course, providing students with a dynamic exploration of sculptural mediums and techniques. Throughout the course, students will have the opportunity to work with a diverse range of materials, including cardboard, installations, sheet metal, and more. Through hands-on projects and creative experimentation, students will learn to conceptualize and create three-dimensional artworks that push the boundaries of traditional sculptural forms. Emphasizing both technical proficiency and creative expression, this course fosters critical thinking and problem-solving skills while encouraging students to explore innovative approaches to sculptural art. With guidance from the instructor, students will develop a deeper understanding of sculptural concepts and techniques, culminating in the creation of unique and thought-provoking works of art.

ART METALS & SCULPTURE 2

One Semester Course

Grades 10-12

Prerequisite: Art Metals & Sculpture 1

Course Number: AR164

Building upon the foundational knowledge and skills acquired in Art Metals & Sculpture 2, the advanced-level course offers students an immersive exploration of sculptural arts. With a focus on expanding creative horizons and refining technical expertise, students will delve deeper into complex sculptural concepts and materials such as wood, metal, and mixed media.

ART METALS & SCULPTURE 2 (Continued)

Through challenging projects and guided experimentation, students will further develop their ability to conceptualize and execute innovative three-dimensional artworks. Emphasizing a combination of traditional and contemporary approaches, this course encourages students to push the boundaries of their artistic practice while honing their critical thinking and problem-solving abilities.

CERAMICS 1

One Semester Course

Grades 10-12

Prerequisite: Introduction to 3D

Course Number: AR250

In this course students will be taught basic skills in hand-built techniques, learn to utilize clay in its various stages and become conversant in the terms relating to clay. They will gain proficiency in preparing, working with, and preserving clay, and begin to understand the many glaze, under-glaze and stain techniques for enhancing bisque-fired pieces

CERAMICS 2

One Semester Course

Grades 10-12

Prerequisite: Ceramics 1

Course Number: AR260

Building on the skills from Ceramics 1, students will be learning more sophisticated techniques and will be expected to work at a higher level of achievement. Advanced Hand built techniques, potters wheel throwing and group critiques are prominent features of this class. The projects are concept based allowing students a great degree of individuality and personal choice. Precision, craftsmanship and creativity are emphasized. Personal responsibility, self-motivation, and good problem solving skills are essential for success in this class.

DIGITAL ILLUSTRATION & PAINTING 1

One Semester Course

Grades 10-12

Prerequisite: Introduction to Digital Media

Course Number: AR165

By exploring digital illustration and painting with the Wacom stylus and tablet, students will be able to develop a body of work that reflects a range of problem solving, ideation, and versatility with techniques to demonstrate their Adobe Illustrator abilities. Abstract and Realistic art are explored through imagination, observation and design. Personal responsibility, self-motivation, and good problem-solving skills are essential for success in this class.

DIGITAL ILLUSTRATION & PAINTING 2

One Semester Course

Grades 10-12

Prerequisite: Digital Illustration & Painting 1

Course Number: AR154

Building on the skills from Digital Illustration and Painting 1, students will be learning more sophisticated techniques and will be expected to work at a higher level of achievement. The projects are concept based allowing students a great degree of individuality and personal choice. Precision, craftsmanship and creativity are emphasized. Abstract and Realistic art are explored through imagination, observation and design. Personal responsibility, self-motivation, and good problem solving skills are essential for success in this class.

DRAWING 1

One Semester Course

Grades 10-12

Prerequisite: Introduction to 2D

Course Number: AR157

The Drawing 1 course at our high school offers students a comprehensive introduction to essential drawing techniques, with a focus on still life, realism, value, etc. Through engaging and hands-on lessons, students will explore various drawing mediums while honing their skills in capturing the accurate representation of objects and scenes. Emphasizing the

DRAWING 1 (continued)

understanding and application of value to create depth and dimension, students will learn to render realistic forms and textures. Additionally, the course will cover the principles of composition and observational drawing, providing students with a solid foundation in visual artistry. With personalized guidance from the instructor, students will develop confidence in their drawing abilities and gain a deeper appreciation for the art of representation

DRAWING 2

One Semester Course

Grades 10-12

Prerequisite: Drawing 1

Course Number: AR152

In Drawing 2, students will refine their drawing skills through exploration of advanced techniques and fundamentals in two-dimensional visual art. This course emphasizes the mastery of drawing abilities essential for success in various art and design disciplines. Through targeted instruction, students will deepen their understanding of compositional principles such as balance, contrast, rhythm, and focal points, honing their ability to create intricate and engaging visual arrangements. Moreover, the curriculum includes an in-depth study of advanced perspective techniques, enabling students to accurately depict three-dimensional space. Throughout the course, there is a strong emphasis on the development of drawing proficiency, providing students with the necessary foundation to excel in their artistic endeavors.

GRAPHIC DESIGN 1

One Semester Course

Grades 10-12

Prerequisite: Introduction to Digital Media

Course Number: AR158

In this course, students will learn basic design and digital editing skills while working with Adobe Illustrator and Adobe Photoshop. The areas of study include problem solving to create appropriate design solutions, layout and publications design. Students will be encouraged to meet professional criteria regarding quality design and deadlines. Personal responsibility, self-motivation, communication/critique and time management skills are essential for success in this class. (This course is also required course for the Creative Academy)

GRAPHIC DESIGN 2

One Semester Course

Grades 10-12

Prerequisite: Graphic Design 1

Course Number: AR159

Building on skills from GRAPHIC DESIGN 1, students will learn more sophisticated techniques and will be expected to work at a higher level of achievement. By exploring design, photographic, and digital media students will be able to develop a body of work that reflects a range of problem solving, ideation, and versatility with techniques to demonstrate their Adobe Photoshop and Illustrator abilities. Colleges often call this class Visual Communications, Design Communication, or Marketing Design. Personal responsibility, self-motivation, communication/critique and time management skills are essential for success in this class. (This course is also required course for the Creative Academy)

PAINTING 1

One Semester Course

Grades 10-12**Prerequisite: Introduction to 2D**

Course Number: AR330

Students will learn skills and techniques necessary for the creation of successful and expressive paintings. Projects will emphasize composition, brushwork, color mixing and the use of value and contrast. Personal responsibility, self-motivation, and good problem-solving skills are essential for success in this class

PAINTING 2

One Semester Course

Grades 10-12**Prerequisite: Painting 1**

Course Number: AR350

Building on skills from Painting 1, students will learn more sophisticated techniques and will be expected to work at a higher level of achievement. Abstract and Realistic art are explored through imagination, observation and design. Students will continue to work with acrylic paint and surface manipulation to develop an individual and personal style. The process for interpretation and evaluation of painting styles will be taught. Personal responsibility, self-motivation, and good problem-solving skills are essential for success in this class.

ADVANCED PLACEMENT ART & DESIGN**H AP[®] ART & DESIGN DRAWING & PAINTING**

One Year Course

Grades 11-12**Prerequisite: Any combination of 4 courses from the 2D Courses (see map)****OR Department Approval**

Course Number:

Semester 1: AR196

Semester 2: AR197

Here are the college level courses at MFHS for serious art and design students who can demonstrate a high level of independent work and development in art. Students who are planning on studying art and/or design in college will find these courses particularly useful. AP Art and Design classes are based on the standards, expectations and rigor of college level art and design courses. Students must be highly focused and self-motivated. They will be expected to be open to instruction in class and able to devote a fair amount of time to independent work outside of class.

Students must register for each semester separately

H AP[®] ART AND DESIGN – 2D DESIGN

One Year Course

Grades 11-12**Prerequisite:****Any combination of 4 courses from the Digital Media Courses (see map)****OR Department Approval**

Course Number:

Semester 1: AR198

Semester 2: AR199

The lessons in the first semester are designed to help students learn and gain skills in various mediums and styles. During the second semester, students will develop a body of work based on an inquiry of their choice. Students will create two different portfolios in each AP Course: Selected Works and Sustained Investigation. The work needs to be high in quality and craftsmanship; therefore, successful completion of the prerequisite courses is required.

H AP® ART AND DESIGN - PHOTOGRAPHY

One Year Course

Grades 11-12

Prerequisite: Any combination of 4 courses from the Digital Media Courses (see map)

OR Department Approval

Course Number:

Semester 1: AR194

Semester 2: AR195

(Description on the previous page applies to all AP Art & Design Courses)

H AP® ART AND DESIGN - 3D DESIGN

One Year Course

Grades 11-12

Prerequisite: Any combination of 4 courses from the 3D Design Courses (see map)

OR Department Approval

Course Number:

Semester 1: AR192

Semester 2: AR193

(Description on the previous page applies to all AP Art & Design Courses)

H AP® Art History

One Year Course

Grades 11-12

Prerequisite: None

Course Number:

Semester 1: AR111

Semester 2: AR112

This online course is designed to provide college-level instruction in art history and prepare students for the AP exam in early May. This course is divided into two 18-week semesters during which the students will examine major forms of artistic expression from the past and present and from a variety of cultures. Students will learn to look at works of art critically, with intelligence and sensitivity, and to articulate what they see or experience.

STUDENT LEADER PROGRAM (No Credit)

One Semester Course

Grades 12

Prerequisite: Department Approval

This course will not be a selection at the time of registration. Interested students must receive approval from the Department Manager. No credit is given for this course.

This course is an opportunity to work with art teachers and classes in an educational setting. Students will be responsible for demonstrating, participating and displaying unit projects. Other duties may involve clerical responsibilities, collection and distribution of materials. Daily attendance is necessary for this program to be successful. Enrollment is limited and will depend on individual student schedule.

AVID

Mission Statement:

AVID's mission is to close the opportunity gap by preparing all students for college and career readiness and success in a global society.

Course Title	Course Number	Length	Year Taken
AVID 9	XC030	Year	9
AVID 10	XC040	Year	10
AVID 11	XC050	Year	11
AVID 12	XC061	Semester 1	12

AVID 9, 10, 11, 12

One year Course

Grades 9-12

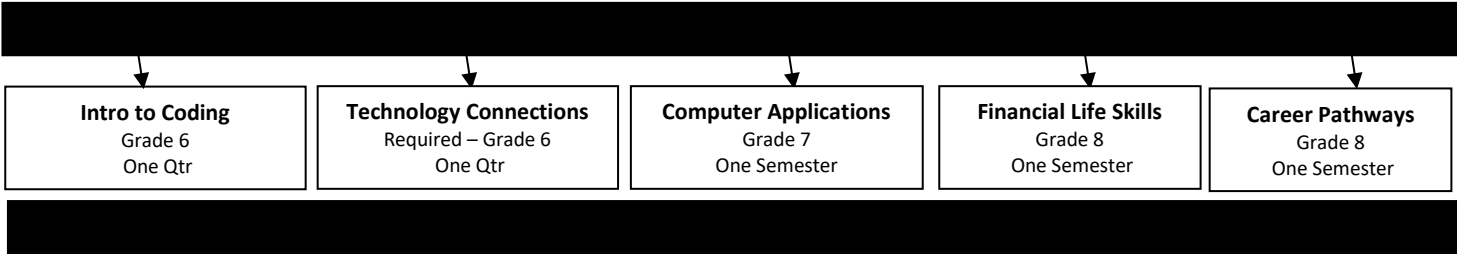
Students must apply to enroll in the AVID Program.

AVID stands for Advancement via Individual Determination, and is a course offered to qualified and accepted 9th - 12th grade students. AVID combines rigor and support, ensuring student success in a college preparatory curriculum. AVID helps students develop skills related to organization, communication, studying, time management, reading comprehension, writing, collaboration, inquiry, test-taking, and personal development. The philosophy of the program encourages strong student-teacher relationships and prioritizes mutual support among classmates.

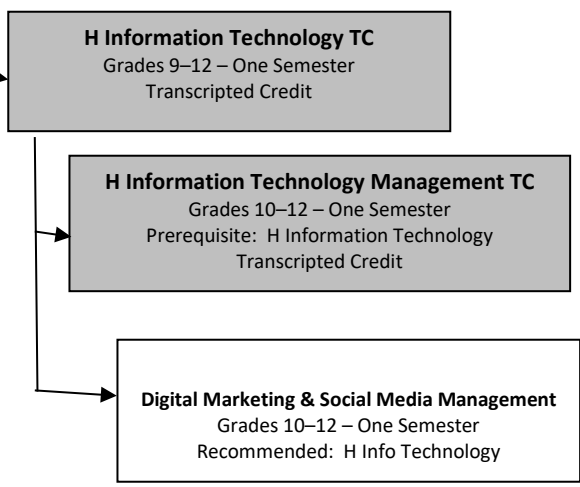
Students who enroll in AVID are committing to the program until their graduation. Interested students should see their counselor for an application.

M E N O M O N E E F A L L S

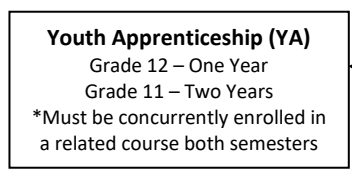
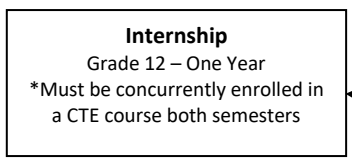
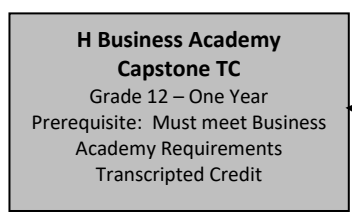
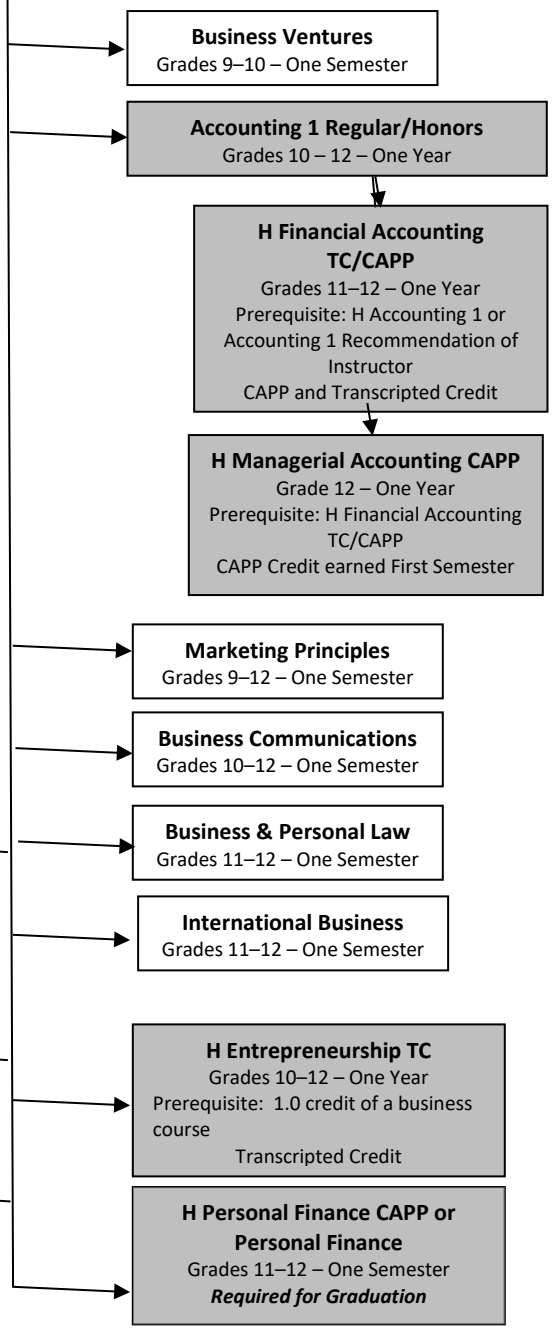
BUSINESS & INFORMATION TECHNOLOGY DEPARTMENT



INFORMATION TECHNOLOGY COURSES



ACCOUNTING AND MANAGEMENT COURSES



Denotes Honors and/or CAPP and Transcribed Credit Options; or Course required for Graduation

Business and Information Technology

Mission Statement:

The mission of the Business and Information Technology Department of Menomonee Falls High School is to teach and guide all students in developing life-long skills, knowledge, understanding, and attitudes necessary for contribution in higher level education and employment in their personal and professional lives in order to become contributing citizens of local, national, and global economies.

Course Title	Course Number	Length	Year Taken
H Information Technology TC	BS225	Semester	9-12
H Information Technology Management TC	BS231	Semester	10-12
Digital Marketing and Social Media Management	BS236	Semester	10-12
Business Ventures	BS341	Semester	9-10
Accounting I	BS101/BS102	Year	10-12
H Accounting I	BS111/BS112	Year	10-12
H Financial Accounting TC/CAPP	BS127/BS128	Year	11-12
H Managerial Accounting CAPP	BS125/BS126	Year	12
Personal Finance	BS385	Semester	11-12
H Personal Finance CAPP	BS399	Semester	11-12
Business Communication	BS380	Semester	10-12
Marketing Principles	BS135	Semester	9-12
H Entrepreneurship TC	BS201/BS202	Year	10-12
Business and Personal Law	BS150	Semester	11-12
International Business	BS310	Semester	11-12
H Business Academy Capstone TC	BS115/BS116	Year	12
Internship	See page 23	Year	12
YA-Youth Apprenticeship	See page 20	Year	11-12

INFORMATION TECHNOLOGY COURSES

H INFORMATION TECHNOLOGY TC

One Semester Course

Grades 9-12

Prerequisite: None

Course Number: BS225



Certifications that can be earned upon successful completion of MOS testing.

A must course for all students who want to be successful in today's technology-driven world. Work in a real-world PC network environment and get ready for your next high school years, college, or employment by using advanced concepts in one of the most popular software programs used in education and the business world, Microsoft Suite. Students at all levels of computer knowledge will benefit and be challenged!! This course leads into and is a prerequisite to move into H Information Technology Management. Students will be able to earn industry certification such as Microsoft Office Specialist in Word, Excel, and PowerPoint by successfully completing the Microsoft Office Specialist certification.

Transcribed credit will be granted from WCTC upon successful completion of this course.

H INFORMATION TECHNOLOGY MANAGEMENT TC

One Semester Course

Grades 10-12

Prerequisite: H Information Technology TC

Course Number: BS231



Certifications that can be earned upon successful completion of MOS testing.

Take your technology skills to the next level by working in-depth with the most widely used software in today's business world. ***This class is a must for students planning to attend college.*** Continue working with a real-world PC network completing projects that require integrating tasks while using advanced features of Microsoft's primary Office programs. Develop advanced technology skills integrating Microsoft Word and more sophisticated spreadsheet skills using Microsoft Excel. In addition, learn how to use advanced features in Microsoft Access as a powerful database management tool, use Outlook to learn e-mailing and calendar basics. Students will be able to earn industry certification as a Microsoft Office Specialist/Expert in Word, Excel, PowerPoint, and/or Access by successfully completing the MOS certification.

Transcribed credit will be granted from WCTC upon successful completion of this course.

DIGITAL MARKETING AND SOCIAL MEDIA MANAGEMENT

One Semester Course

Grades 10-12

Prerequisite: None

Recommended: H Information Technology TC

Course Number: BS236



Instagram, Facebook, X (formerly Twitter), and Snapchat seem to take over the world! Learn how to master social communication and be an incredibly valuable 21st century employee! Throughout this course, students will focus on effectively communicating Menomonee Falls High School events by adding to the MFHS website, as well as producing content and managing MFHS social media accounts. This course will teach personal responsibility regarding social media including ethics and managing your digital footprint as well as developing a digital marketing plan that applies course concepts in a real-world scenario. Students will also develop design and management skills to create impressive and effective web sites, using both HTML/CSS as well as a site editor.

MANAGEMENT COURSES

BUSINESS VENTURES

One Semester Course
Grades 9-10
Prerequisite: None
 Course Number: BS341

Learn about the ever-changing and spirited business world in this course. Explore the many fascinating elements of business including the skills and qualities of successful entrepreneurs, competition, business types, marketing, human resources, finance, basic economics, accounting, management and leadership, and much more. All of these topics culminate in the development of a start-up business plan that expands upon all that has been learned. When your adventure is all over you will have a better idea of what goes on behind the scenes of many business decisions and have a better idea of what you may want to explore for a future career. Students will work in a variety of teams for activities and presentations.

ACCOUNTING COURSE OPTIONS

Students who wish to take Accounting for Honors credit must register for Accounting I. To be enrolled in the Honors course, students must meet academic criteria and receive department approval. The Business & Information Technology Department will enroll these students in Honors courses.

ACCOUNTING I

One Year Course
Grades 10-12
Prerequisite: None
 Course Numbers:
 Semester 1: BS101
 Semester 2: BS102



Accounting is the key to opening the door to the business world and that is why it is called the “language of business.” In addition, accounting is useful in comprehending one’s personal finances. Understanding how accounting data is accumulated through the double-entry procedure and the reporting of this financial information are key outcomes of the course. Accounting careers and becoming a CPA will be discussed. This is an important college preparatory course for students planning to major in any area of business.

H ACCOUNTING I

One Year Course
Grades 10-12
Prerequisite: None
 Course Numbers:
 Semester 1: BS111
 Semester 2: BS122



This Honors course **will not** be a selection at the time of registration. Refer to Accounting Course Options in the paragraph above for complete instructions.

See Accounting I for the course description. In addition, honors students will be expected to demonstrate an understanding of accounting theory by analyzing and interpreting financial data. Students will gain a deeper understanding of the role accounting plays in business decisions. Spreadsheets will be used in this course to process financial data.

H FINANCIAL ACCOUNTING TC/CAPP

One Year Course

Grades 11-12

Prerequisite: H Accounting I or Accounting I and recommendation of instructor

Course Number:

Semester 1: BS127

Semester 2: BS128



Transcribed Credit and/or CAPP Credit

Financial Accounting is the first required accounting course for all business majors at the post-secondary level. Take this opportunity to earn college credits in accounting while still in high school. Advance accounting concepts, theories, and principles are presented and applications are completed. Emphasis is given to the analysis and interpretation of financial activity, preparing and interpreting financial statements, and applying accounting theory in decision making. This course is offered in the Cooperative Academic Partnership Program (CAPP) through Lakeland University. The CAPP program offers secondary students an opportunity to earn college credit while in high school. The content of H Financial Accounting TC/CAPP is the same as that offered at Lakeland University in Accounting 210. Participation in the CAPP program is an individual option and requires a fee for the tuition payable to the university.

Participants who successfully complete the course receive three college credits in addition to the high school credit earned if enrolled in the CAPP program. In addition, transcribed credit will be granted from WCTC upon successful completion of this course. There is no cost to the student for the WCTC credits.

H MANAGERIAL ACCOUNTING CAPP

One Year Course

Grade 12

Prerequisite: H Financial Accounting TC/CAPP

Course Number:

Semester 1: BS125

Semester 2: BS126



Lakeland University

CAPP Credit (earned Semester 1)

Managerial Accounting is the second required accounting course for all business majors at the post-secondary level. The first semester of this course provides an overview of managerial accounting concepts relevant for decision making, making use of accounting information for planning, and control of business operations in internal business environments. The content of this course is the same as that offered at Lakeland University Course ACC 220. Participation in the CAPP program is an individual option and requires a fee for the tuition payable to the university.

In the second semester of this course, students will use Microsoft Excel and QuickBooks software to solve real accounting and business problems. Concepts learned in previous accounting courses are reinforced and students will learn how spreadsheets/accounting software can help users make more informed business decisions. Students will be able to earn industry certification by successfully completing the QuickBooks certification exam. Guest speakers will provide business insight and students will take field trips to area businesses to apply what they have learned in accounting to an actual business organization. ***Participants who successfully complete the course receive three college credits in addition to the high school credit earned if enrolled in the CAPP program.***

PERSONAL FINANCE

One Semester Course

Grades 11-12**Prerequisite: None****Required course for Graduation**

Course Number: BS385

This course will fulfill the Personal Finance requirement for graduation. Are you financially literate? This course is a must to prepare you for financial independence in your personal life. It is proven that poor financial decisions can lead to an accumulated debt spiral that will prevent you from saving and planning for a secure financial future. Learn to manage your personal financial affairs through real life applications. Areas of study include investing, banking, taxes, credit, acquiring insurance and loans, budgeting, career preparation and employability skills. Technology is infused throughout this course, with applications ranging from personal money management to preparation of income tax forms to evaluating investment options.

H PERSONAL FINANCE CAPP

One Semester Course

Grades 11-12**Prerequisite: Meet at least one of the requirements listed below:**

1. GPA of 2.75 or above (on a 4.0 scale) or:
2. Class rank in top 30 percent

Required course for Graduation

Course Number: BS399

This course will fulfill the Personal Finance requirement for graduation. H Personal Finance CAPP is a rigorous college-level course preparing students for their financial future. This course is recommended for students desiring more challenge than traditional Personal Finance, such as those with advanced mathematics skills or a strong interest in a finance/business career.

See Personal Finance for the course description. In addition to more rigorous content, H Personal Finance CAPP students will study the major financial decisions encountered by individuals. Topics include: budgeting, use of credit, automobile and consumer durables, insurance, the housing decision including rental lease agreements, taxes, retirement planning, estate transfer and investments. Each subject is analyzed within the context of a comprehensive framework of planning. Students will gain experience with financial software applications, such as spreadsheets as well as web and mobile tools (ex. Mint, mobile/online banking apps, etc.). Finally, the course will focus on financial career options through guest speakers and interactions with professionals in the field of finance.

Participation in the CAPP program is an individual option and requires a fee for the tuition payable to the university.

Participants who successfully complete the course receive three college credits in addition to the high school credit earned if enrolled in the CAPP program.



UW-Oshkosh CAPP Credit (CAPP credit is earned at the end of the semester the course is taken)

BUSINESS COMMUNICATION

One Semester Course

Grades 10-12

Prerequisite: None

Course Number: BS380

Communication is a skill set that is extremely important in the pursuit of academic and career success. Whether you are planning to go to work immediately upon graduation, attend a technical college, or go to a four-year college, communication skills are crucial. A survey of the top Fortune 500 companies indicated that strong communication skills were the most important skills in job effectiveness. Throughout the semester, you will develop effective workplace communication skills through a continuous cycle of discovery and application. Integrated throughout the course are hands-on, project-based activities designed to foster specific communication skills that employers seek, value, and reward. Communication skills have been and will always be an important life skill. By taking this course, you will be well on your way to communicating more effectively and being successful in your personal life and career.

MARKETING PRINCIPLES

One Semester Course

Grades 9-12

Prerequisite: None

Course Number: BS135

Marketing touches the lives of people on a daily basis as family members, consumers, and employees. Marketing is the activity that makes business work. This course will provide the opportunity for you to gain valuable marketing insight, knowledge, and skills in the processes and procedures that occur from the creation of a product/service to the consumption of those products/services by the consumer. You will explore the 4 P's of marketing with a specific emphasis on Customer Profiles, Target Marketing, Distribution, and Pricing and Promotion. This course provides the fundamentals of marketing that will prepare you for success in many careers.

H ENTREPRENEURSHIP TC

One Year Course

Grades 10-12

Prerequisite: 1.0 credit of a business course

Course Number:

Semester 1: BS201

Semester 2: BS202

This course helps future entrepreneurs develop the core skills needed to be successful. In semester one of this year-long course, you will learn how to create, develop, organize, and market your own successful business by going step-by-step through the entire process of developing a written business plan. Semester two builds on the foundations of marketing through the study of **consumer behavior**, learning to manage a product/service through its **life cycle**, and exploring **sports and entertainment marketing**. On a team, you will engage in an authentic learning opportunity where you develop, plan, and market a real product or service to practice first-hand what an entrepreneur experiences in starting and running a business.

Transcribed credit will be granted from WCTC upon successful completion of this course.

WCTC 
Transcribed credit

BUSINESS AND PERSONAL LAW

One Semester Course

Grades 11-12**Prerequisite: None**

Course Number: BS150

Gain an understanding of how Business & Personal Law relates to everyday life and business. What can you do if you've been tricked into a poor contract? Where would you take your lawsuit? How high up the court structure can your case go? Learn answers to these and other legal questions pertaining to both personal and business law applications. This course is designed to familiarize students with the basic legal principles relevant to their roles as citizens, consumers and employees. Exciting units include ethics, property laws, employment laws, contracts, criminal and civil law, consumer law, and more. Emphasis throughout the course will be given to application of basic principles of law to everyday situations through case studies and class discussion. Students will also undertake "mock trial" experiences, which give students firsthand experience in a courtroom atmosphere.

Students can take the College Level Entrance Placement (CLEP) Exam to earn college credits.

INTERNATIONAL BUSINESS

One Semester Course

Grades 11-12**Prerequisite: None**

Course Number: BS310

What do you need to know in order to function in today's global economy? This exciting course will inform you about cultural, economic and technical information that is so widely used in today's business climate. The course format will consist of current global business events, hands-on activities, interactive projects and presentations. To be successful in the 21st century, students need to be literate in global awareness as it relates to business. This course will provide insights into being a successful employer/employee in the global marketplace.

H BUSINESS ACADEMY CAPSTONE TC

One Year Course

Grades 12**Prerequisite: Enrolled in Business Academy**

Course Number:

Semester 1: BS115

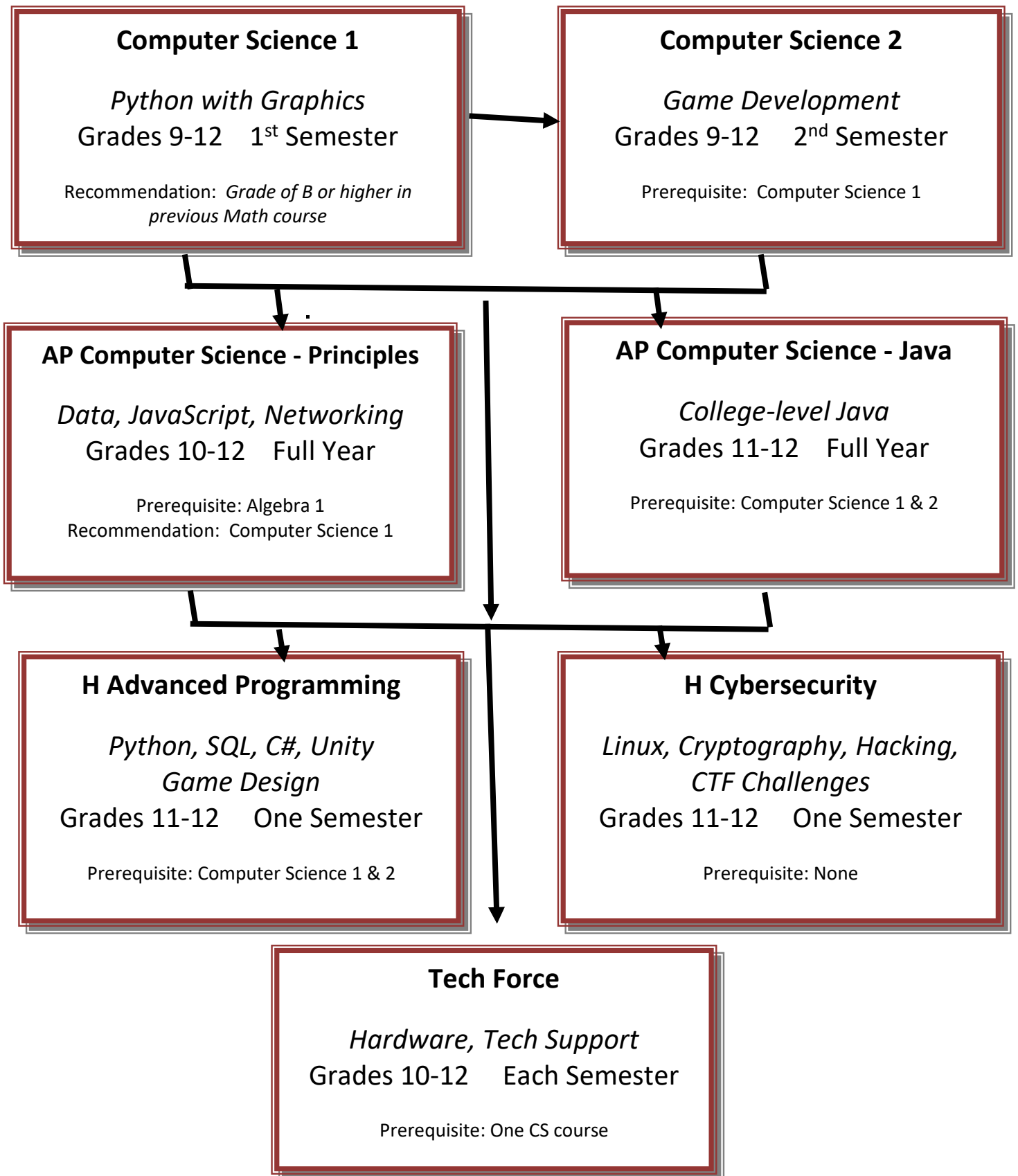
Semester 2: BS116

Business Academy students will work on teams of their choosing: HR/Management, Accounting/Finance, Social Media/Marketing, and Merchandising/Purchasing. These teams run a small business and report out to a committee of business and community leaders for evaluation at the end of the semester. Individually, students will create an electronic portfolio demonstrating understanding of their role in business and the influence that business has in society. Students will also work on their business professionalism learning the tools to build their personal brand through wardrobe engineering; dining, phone and email etiquette; networking, workplace professionalism, relationship building and conversational skills. Students will also undertake self-assessment to evaluate strengths and weaknesses prior to graduation. ***Transcribed credit will be granted from WCTC upon successful completion of this course.***

WCTC 
Transcribed credit



School District of Menomonee Falls Computer Science Curriculum



Computer Science

Mission Statement:

The Computer Science Department's mission is to provide students with a strong foundation in the core concepts of computer science and equip them with problem solving skills to help them develop into knowledgeable innovators in information technology. We provide a comprehensive curriculum that prepares students for a variety of careers in computer science, engineering, and information technology and a commitment to lifelong learning.

Course Title	Course Number	Length	Year Taken
Computer Science 1 - Python	CS261	Semester-First Semester Only	9-12
Computer Science 2 – Game Development	CS256	Semester-Second Semester Only	9-12
H AP® Computer Science Principles	CS223/CS224	Year	10-12
H AP® Computer Science Java	CS221/CS222	Year	11-12
H Advanced Programming	CS257	Semester	11-12
H Cybersecurity	CS258	Semester	11-12
Tech Force	CS262	Semester	10-12

COMPUTER SCIENCE 1 - (Python)

First Semester Course Only

Grades 9-12

Recommendation: *Grade of B or higher in previous Math course*

Course Number: CS261

This course covers the fundamentals of programming concepts and teaches text-based coding using Python. It uses a fun online, graphics-based computer science curriculum to introduce topics such as variables, control structures, functions, methods, mouse events, and keyboard events. These programming skills along with graphics will assist the students in creating functional programs and games.

COMPUTER SCIENCE 2 – (Game Development)

Second Semester Course Only

Grades 9-12

Prerequisite: *Computer Science 1*

Course Number: CS256

This course will focus on game development using the GameMaker software. Students will learn fundamental programming concepts including simple control structures, methods, and objects in the context of simple video games. GameMaker also contains a built-in scripting programming language (GML), allowing more complex games to be made with the program.

H AP® COMPUTER SCIENCE PRINCIPLES

One Year Course

Grades 10-12

Prerequisite: *Algebra 1*

Recommendation: *Computer Science 1*

Course Number: CS223/CS224

AP 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. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. The units cover a wide array of topics including: How Computers Communicate, Building a Network, JavaScript, Data, Cybersecurity, and Global Impacts. Students may earn college credit by successfully taking the AP Computer Science Principles Exam in May.

H AP® COMPUTER SCIENCE JAVA

One Year Course

Grades 11-12

Prerequisite: Computer Science 1 & 2 and Department Approval

Course Number: CS221/CS222

In this class, students will be programming in Java, an object-oriented programming language. The course content will be similar to that offered in an introductory computer science class at most universities. Students will be learning all levels of the Java language including: basic syntax, if-else statements, for and while loops, classes, arrays, inheritance and GUI (graphical user interface) tools. This course will be especially helpful to students contemplating careers in computer science, business, engineering, and information technology. Students may earn college credit by successfully taking the AP Computer Science - A Exam in May.

H ADVANCED PROGRAMMING

Semester Course

Grades 11-12

Prerequisite: Computer Science 1 & 2

Course Number: CS257

This course is designed to further prepare students for careers in technology-related fields. The goal is to introduce students to a variety programming languages such as Python, SQL, C#, etc. Students will then use these languages to design and create many different programs. We will also use the Unity software program to create 3D games. Students will be asked to complete a culminating final project using one of the languages taught.

H CYBERSECURITY

Semester Course

Grades 11-12

Prerequisite: None

Course Number: CS258

In this lab-based course, students will use Linux to navigate a network, decrypt files, penetrate networks, and hack their way through a number of Capture The Flag challenges. Cybersecurity careers are one of the fastest growing and one of the most rewarding careers you can have according to US News and the Department of Labor Statistics. Taking this course will give you the skills you need to transition into a Cybersecurity program of study in college or even an entry level Cybersecurity position.

TECH FORCE

Semester Course

Grades 10-12

Prerequisite: One Computer Science course

Course Number: CS262

The Tech Force course is a hands-on study of technology integration in an educational context. Tech Force students are technology leaders who offer first-level technology support to the students and the staff at Menomonee Falls High School, while gaining valuable customer service skills. In addition to solving problems for students and teachers, students will be required to complete and maintain several running projects that address problems or solutions in educational technology integration. Students enrolled in the course will work towards professional certifications in the areas of: IT Fundamentals, Hardware, Software and Networking. Tech Force students should possess strong research, writing, and critical thinking skills. Students are expected to be self-motivated, independent learners with an interest in computer hardware, software, and networking. Good customer service skills are important.

MFHS English Course Offerings - 2024-25

Four years of English are required for graduation

English 9: The World Perspective

English 9 or
H English 9

English 10: The American Experience

English 10 or
H English 10 or
English 10 Healthcare Academy (Application Required) or
H English 10 Healthcare Academy (Application Required)

English 11: Contemporary Issues

English 11 or
H AP Language & Composition

English 12: Choices

Choose two from the Literature Semester Courses or
Choose H AP[®] Literature & Composition (a year-long course)

Choose two English 12 Literature Semester Courses:

Science Fiction
Mystery & Suspense
Novel & Film

Or Choose H AP[®] Literature & Composition (a year-long course)

English Electives (one semester): **May add to required English Courses**

Media Studies I (gr. 9-12)
Media Studies II (gr. 10-12)
Media Studies III (gr. 10-12)
Creative Writing (gr. 9-12)

English

Mission Statement:

The overall mission of the MFHS English Department is to promote literacy, specifically, the ability to read, write, and think critically. We seek to develop highly trained readers, writers, and speakers who are analytically and personally engaged with text, using the tools of the discipline to build and communicate a deep understanding of the text itself and of its broader implications.

Course Title	Course Number	Length	Year Taken
English 9	EN109	Year	9
H English 9	EN119	Year	9
English 10	EN179	Year	10
H English 10	EN199	Year	10
English 10/Healthcare Academy	EN197	Year	10
H English 10/Healthcare Academy	EN198	Year	10
English 11	EN239	Year	11
English 11 Zero Hour	EN01Z	Year	11
H AP [®] Language & Composition 11	EN262	Year	11
English 12: Mystery and Suspense	EN393	Semester	12
English 12: Mystery and Suspense Zero Hour	EN04Z	Semester	12
English 12: The Novel and Film	EN395	Semester	12
English 12: Science Fiction	EN396	Semester	12
H AP [®] Literature & Composition 12	EN322	Year	12
Creative Writing*	EN423	Semester	9-12
Media Production I*	EN332	Semester	9-12
Media Production II*	EN353	Semester	10-12
Media Production III*	EN354	Semester	10-12

*electives; not required

ENGLISH 9

ENGLISH 9

One-Year Course

Levels: Regular

Grade 9

Prerequisite: None

Course Number: EN109

This one-year course is required for all freshmen students and includes intensive skill-building in the area of reading comprehension and writing through the analysis of fiction and nonfiction literature. Students read **The Tragedy of Romeo and Juliet* by William Shakespeare, **Night*, by Elie Wiesel and multiple pieces of non-fiction as well as books of their choosing.

The Menomonee Falls English Standards of reading comprehension, English usage, writing, and speaking guide specific skill instruction. In addition, students will develop stronger working vocabularies and engage in meaningful class discussions and experiences in order to achieve success in these critical literacy skills.

***subject to change**

H ENGLISH 9 **

One-Year Course

Grade 9***Prerequisite: Department Approval***

Course Number: EN119

Students who wish to take the course for accelerated credit must meet academic criteria including Advanced standing on state assessments and department approval. Once enrolled in the course students must maintain performance standards to continue in the accelerated courses.

Through this Honors course, students will work toward the 24 to 27 ACT skill band in reading, grammar, research, and writing. In addition to the other English 9 literature, these Honors students will read literature chosen from the recommended reading list for AP English.

****Summer reading and assignment is required.**

ENGLISH 10

ENGLISH 10

One-Year Course

Levels: Regular

Grade 10***Prerequisite: None***

Course Number: EN179

This one-year course is required for all sophomore students and includes intensive skill-building in the area of reading, writing, and speaking. In addition, English 10 focuses on vocabulary and English grammar skills. The curriculum in English 10 is thematically connected to a quarterly essential question that drives the discussion and writing. While anchor texts provide the themes and essential questions, students are also encouraged to choose their own books each quarter as well.

H ENGLISH 10 **

One-Year Course

Grade 10***Prerequisite: Department Approval***

Course Number: EN199

Students who wish to take the course for accelerated credit must meet academic criteria including certain scores on the state assessments as well as receive department approval. Once enrolled in the course, students must maintain performance standards to continue in the accelerated courses. Through this Honors course, students will work toward the 24 to 27 ACT skill band in reading, grammar, and writing. In addition to the other English 10 literature, these Honors students will read, **The Jungle* by Upton Sinclair, **A Raisin in the Sun* by Lorraine Hansberry, **Antigone*, **Animal Farm* by George Orwell, **The Crucible* by Arthur Miller, and **Oedipus the King* by Sophocles, as well as other selections of the students' choosing. Students will also develop increasing sophistication in writing.

This course is highly recommended for students planning to take Advanced Placement their junior and senior years.

***subject to change**

****Summer reading and assignment is required.**

ENGLISH 10-HEALTHCARE ACADEMY

One-Year Course

Grade 10

Prerequisite: Accepted application into the healthcare academy.

See the MFHS website for more information.

Course Number: EN197

This honors English course is designed for students wish to pursue a career in the medical field while making progress toward the College Readiness Standards. The critical reading to acquire information and the interpretation of fiction and nonfiction literature is geared toward discussion and analysis of how humans pursue knowledge and show compassion, and also toward the potential ethical conflicts that arise within the medical field. This course exposes sophomores to the same skills and texts as the non-Academy English 10 course; in addition, Healthcare Academy English 10 is anchored by the novel, *The Immortal Life of Henrietta Lacks*, the story behind the discovery of the hela cell, a must-read for any student pursuing a healthcare career. This course is also offered at the honors English 10 level.

All students who have been formally accepted into the Healthcare Academy should register for the regular level of this course. Please see the Healthcare Academy website or Mrs. Dinkel for more information.

H ENGLISH 10-HEALTHCARE ACADEMY**

One-Year Course

Grade 10

Prerequisite: Accepted application into the healthcare academy.

See the MFHS website for more information.

Course Number: EN198

This English course is designed for students who wish to pursue a career in the medical field while making progress toward the College Readiness Standards. The critical reading to acquire information and the interpretation of fiction and nonfiction literature is geared toward discussion and analysis of how humans pursue knowledge and show compassion, and also toward the potential ethical conflicts that arise within the medical field. This course exposes sophomores to the same skills and texts as the non-Academy H English 10 course; in addition, Healthcare Academy H English 10 is anchored by the novel, *The Immortal Life of Henrietta Lacks*, the story behind the discovery of the hela cell. This course is also offered at the English 10 level.

All students who have been formally accepted into the Healthcare Academy should register for either the honors level of this course. Please see the Healthcare Academy website or Ms. Larson for more information.

****Summer reading and assignment is required for this honors course.**

ENGLISH 11

ENGLISH 11

One-year Course

Grade 11**Prerequisites: None**

Course number: EN239

Zero Hour Course number: EN01Z

***THIS COURSE OFFERED ZERO HOUR
DEPENDING ON ENROLLMENT
7:00 AM-7:45 AM (ZERO HOUR)**

In this year-long American literature course, students will read several novels (Ray Bradbury's *Fahrenheit 451*, F. Scott Fitzgerald's *The Great Gatsby*, and choice novels), short stories, and a good amount of non-fiction. In this course, we focus on composition, writing persuasive essays and a five-page research paper. Reading comprehension and analysis, increasingly sophisticated writing, the application of grammar skills, the development of power in word choice, and the ability to discuss, debate, and make presentations—all of these skills are the focus of this course. Our goal is to prepare students for the ACT and for the college and career world.

**H AP[®] LANGUAGE & COMPOSITION
11 ****

One-year Course

Grade 11**Prerequisites: H English 10**

Course number: EN262

AP English Language and Composition is an intensive, college-level composition course that examines authentic, nonfiction texts and reading materials. The content, pace, and rigor of this course challenges students to examine rhetoric by finding and analyzing all the choices involving language that a writer, speaker, reader, or listener might make in a situation so that the text becomes meaningful, purposeful, and effective for readers or listeners. Students will become mature and sophisticated consumers and creators of a variety of texts that are relevant in our world today. Students must be motivated to become college-level readers and writers; students should be able to read extensive passages and independently study readings, vocabulary, and prepare their own responses to texts.

The course prepares students to take the AP Exam in May as well as examines the ACT writing prompt.

****Summer reading and assignment is required.**

ENGLISH 12

In all of the literature electives, students will explore themes of universal significance while strengthening their skills of discussion, analysis, and interpretation. In addition, students will master expository, creative, research, and reflective writing skills.

Important Note:

Although all courses are offered both semesters, students should take only one literature elective per semester because of the reading and composition demands.

English 12: Choose TWO Semester Courses	Honors 12: One Year-long Course
<ul style="list-style-type: none"> ● Literature of Mystery & Suspense ● Novel & Film ● Science Fiction 	<ul style="list-style-type: none"> ● H AP® Literature & Composition

MYSTERY AND SUSPENSE

One-Semester Course

Grade 12 required option

Prerequisite: None

Course Number: EN393

*Zero Hour Course Number EN04Z

In Mystery and Suspense, students may read tales of Edgar Allan Poe, Sir Arthur Conan Doyle (Sherlock Holmes), *Macbeth* by William Shakespeare, and Cormac McCarthy’s *No Country for Old Men*, to name a few. Students in this course become proficient at analyzing an author’s choices in characterization and structure which create tension, fear, humor, etc. Students explore themes of universal significance and strengthen their skills of discussion, analysis, and interpretation.

THE NOVEL AND FILM

One-Semester Course

Grade 12 required option

Prerequisite: None

Course Number: EN395

The Novel and Film course will examine the structures and techniques of both novel and film, reading and watching classic and contemporary films from a variety of titles such as *Into the Wild*, *Cast Away*, *Night of the Living Dead*, *World War Z*, *The Breakfast Club*, *Black Panther*, and many others. Through class discussion, written exposition, and group projects, students develop proficiencies in analysis of text, both written and visual, and popular conventions used in film.

SCIENCE FICTION

One-Semester Course

Grade 12 required option

Prerequisite: None

Course Number: EN396

In Science Fiction, students will read classic and contemporary short stories and novels by authors such as Isaac Asimov, Ray Bradbury, Octavia Butler, Kurt Vonnegut, Orson Scott Card, and others. Anchor texts may include, *I, Robot*, *Ender’s Game*, and/or *The Martian Chronicles*. Students will also read from a variety of choice texts by classic and modern authors from both American and foreign backgrounds. Through discussion and writing, students will explore common themes within Science Fiction, as well as the genre’s development over time.

H AP® LITERATURE & COMPOSITION 12 **

Year-Long Course

Grade 12***Prerequisite: Department Approval***

Course Number: EN322

This AP English Literature and Composition course will “engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students [will] deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students [will] consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone” (“English Course Description.” College Board. 2010. 15 Aug. 2014.) Not only will students in this course become more skilled as readers, they will hone their writing skills through multiple types of writing assignments: from reading and response journals to Fifty-Word Sentences, from “exploratory” one-page writings to fully developed essays. We will practice test-taking skills, in preparation for the AP Literature Exam in May.

****Summer reading and assignment is required.**

ENGLISH ELECTIVES

Taking any of the following courses does not replace required courses within the sequence and requirements of English.

CREATIVE WRITING

One-Semester Course

Grades 9-12***Prerequisite: None***

Course Number: EN423

This workshop-style course explores the creative process involving original fiction and nonfiction writing. Individualized to each student, writers will flex their creative muscles through activities that sharpen the finer skills as well as work on projects that allow each student to maximize their storytelling skills. This class reveals the secrets of great writing while allowing each student to express what matters most.

MEDIA PRODUCTION I

One-Semester Course

Grades 9-12***Prerequisite: None***

Course Number: EN332

An intro level course that dives into the history of mass media working its way towards today’s use of social media. Students create an investigative journalism article, a radio show, commercials, a TV segment or skit, and finally work on a unit long campaign on a product utilizing mass media methods. Student learn basic editing skills using final cut Pro to put together recorded materials for assignment and outside the classroom assignments.

MEDIA PRODUCTION II

One-Semester Course

Grades 10-12***Prerequisite: Successful completion of Media Production I***

Course Number: EN353

An extension to Media Production I, students work on creating long form video edits to hone Final Cut Pro and camera skills. Students work on interview skills, establishing shots, sounds, and camera angles through mini assignments and large projects working towards creating a final short film to end the semester. Assignments include: documentary/mockumentary, music video, news form, mood creation, and more.

MEDIA PRODUCTION III

One-Semester Course

Grades 10-12***Prerequisite: Successful completion of Media Production I & II***

Course Number: EN354

Upon completion of Media Production I & II, students enrolled in Media Production III will be production managers for our weekly TV show, *GMF*, along with experiencing opportunities to work with MFHS and outside businesses in media-related projects. The goal is to put the student to work on projects which promote the school district along with gaining invaluable experiences in honing their communication, videography, editing and management skills.

READING INTERVENTION

STRATEGIC READING

Year Long Course

Grades 9-11***Prerequisite: Reading Teacher & Counselor Approval***

Course Number:

Semester 1: XC465

Semester 2: XC466

The goal of this reading course is to enhance the literacy skills of each student by implementing various reading strategies to improve their ability to identify, comprehend and communicate information from a text. Students will engage in reading, writing and speaking in a small group setting. The skills learned in this course will support core class expectations and increase the ability of the student to have a successful secondary education experience. Multiple reading assessments are administered throughout this course to monitor the literacy progress of each student. Continuation or exit of the course will be recommended based on the student's progress, standardized test scores and core subject grades.

Menomonee Falls School District - Family and Consumer Science Curriculum

Culinary Arts	Human Services	Healthcare
Grades 9-12 Introduction to Foods Careers	Grades 9 – 12 Introduction to Human Service	Grade 9-12 Introduction to Healthcare
Grades 10 - 12 Foods For Wellness	Grades 10 - 12 Introduction to Education	Grades 10-12 H Contemporary Healthcare Practices TC 1 Sem
Grades 10 - 12 Global Foods	Grades 11 - 12 H CAPP Course to be approved in early 2024	H Contemporary Healthcare Practices HCA/TC 1 Year
Grade 12 H Food Service TC (Senior Foods)	Grades 10 - 12 Child Development	Grades 11 - 12 H Medical Terminology TC
	Grades 11 - 12 H Foundations of Early Childhood Education TC	H Medical Terminology HCA/TC
	Grades 11 - 12 Relationships	Grade 12 Healthcare Academy Capstone
	Grades 12 **H Educator Academy Capstone CAPP	

Grade 11 and/or 12 Youth Apprenticeship or Grade 12 Internship

**The Course outcomes, curriculum, and material are pending School Board approval.

Family and Consumer Science

Mission Statement:

Family and Consumer Science provides students the opportunity to develop the attitudes, knowledge and skills necessary to become contributing members of society and successful, lifelong learners in their career pathways.

Course Title	Course Number	Length	Year Taken
Introduction to Foods Careers	FC185	Semester	9-12
Foods For Wellness	FC180	Semester	10-12
Global Foods	FC281	Semester	10-12
H Food Service TC (Senior Foods)	FC191/ FC192	Year	12
Introduction to Human Services	FC162	Semester	9-12
Child Development	FC160	Semester	10-12
Introduction to Education	FC163	Semester	10-12
H CAPP Course to be approved in early 2024		Year	11-12
H Foundations of Early Childhood Education TC	FC121	Semester	11-12
**H Educator Academy Capstone CAPP	FC221/FC222	Year	12
Introduction to Healthcare	FC119	Semester	9-12
Relationships	FC270	Semester	11-12
H Contemporary Healthcare Practices TC	FC134	Semester	10-12
H Medical Terminology TC YR	FC111/FC112	Year	11-12
Healthcare Academy: <ul style="list-style-type: none"> ▪ H Contemporary Healthcare Practices/HCA TC ▪ H Medical Terminology/HCA TC ▪ Healthcare Academy Capstone 	FC132/FC133 FC113/FC114 FC108	Year Year Year	10 11 12
Internship	See page 23	Year	12
YA-Youth Apprenticeship	See page 20	Year	11-12

**The Course outcomes, curriculum, and materials are pending School Board approval.

CULINARY ARTS

INTRODUCTION TO FOODS CAREERS

One Semester Course

Grades 9-12

Prerequisite: None

Course Number: FC185

Thinking about a career in a foods-related industry? This course allows students the opportunity to explore health and performance careers, food research and development careers, food marketing and communication, and food production and service. Students will enjoy many foods labs woven throughout the units on kitchen safety, food sanitation, and food preparation. This course is strongly recommended for the senior level food service course.

A fee will be charged for this course. Please see Page 7 Student Fees.

FOODS FOR WELLNESS

One Semester Course

Grades 10-12**Prerequisite: None**

Course Number: FC180

Do you live to eat or eat to live? Do you ever ask yourself how the foods you eat are affecting your well-being and health? Learn how to use food to your advantage for optimum physical and mental performance. Units include better breakfast choices, body types and images, leader nutrients and much more. Weekly labs teach you how to cook smart and prepare great tasting foods that are kind to your body. Students interested in health related careers will find this a valuable course as will athletes who wish to attain peak performance levels. *A fee will be charged for this course. Please see Page 7 Student Fees.*

GLOBAL FOODS

One Semester Course

Grades 10-12**Prerequisite: None**

Course Number: FC281

What do truffles, trifle and tiramisu have in common? They are all foods prepared in the course of international cuisine called Regional and Foreign Foods. This popular class involves learning the culture and cuisine of regions in the United States as well as Europe, Asia and the Mediterranean. Students study the customs, religions and geography of various regions and countries to learn how this affects food production and choices. Weekly labs are used to create delicious entrees, side dishes, and desserts that students sample to expand their global palate. A plate of lasagna, a bowl of Irish stew, a sampling of sorbet...enroll for this worldly experience of food!

A fee will be charged for this course. Please see Page 7 Student Fees.

H FOOD SERVICE TC (Senior Foods)

One Year Course

Grade 11

Prerequisite: Successful completion of all other Culinary Arts course options and instructor approval.

Grade 12

Course Number

Semester 1: FC191

Semester 2: FC192

We will pay you \$10.00 if you can name a career that doesn't require the knowledge learned in this senior-only foods class!!!!!! There is not a career known today that will be available in the 21st Century that does not require the knowledge of, or the ability to prepare food. Areas covered include: sanitation, soups, salads, breakfast cookery, nutrition, vegetables, salads, sandwiches, baking, success at work, running your own restaurant, the Culinary Olympics, and gingerbread houses.

A fee will be charged for this course. Please see Page 7 for Student fees.

Transcribed Credit will be granted from WCTC upon successful completion of this course.

WCTC 
Transcribed Credit

HUMAN SERVICES

INTRODUCTION TO HUMAN SERVICES

One Semester Course

Grades 9-12

Prerequisite: None

Course Number: FC162

Do you enjoy helping others? If so, the career clusters of Education and Training, Human Services, and Law and Protective Services are for you! Take the time to explore the many careers available helping others including fitness instructor, teaching assistant, funeral director, cosmetologist, family therapist, social worker, state trooper, lawyer, paralegal, and criminal investigator, and many more. Expect to learn about the history of each field, current trends in the field, and the outlook for the future of the industry. Also infused into the course is the opportunity to become aware of the skills needed by human service professionals. Guest speakers will highlight the semester-long course.

CHILD DEVELOPMENT

One Semester Course

Grades 10-12

Prerequisite: None

Course Number: FC160

Child Development explores the development of the whole child from the prenatal stage through adolescence. Think of all the career possibilities related to children: healthcare, education, recreation and entertainment, human services...and, of course, parenting.

INTRODUCTION TO EDUCATION

One Semester Course

Grades 10-12

Prerequisite: None

Course Number: FC163

This course will lay a foundation of what the role of a teacher is, create a mentor/partner teacher relationship in the high school (one content and one special ed), have students create and run an all school tutoring program, go on field trips to observe different grade level classrooms, and study curriculum as an introduction to the field of education.

H CAPP Course to be approved in early 2024

One Year Course

Grades 11-12

Prerequisite: Introduction to Education

Course Number:

This course outcomes, curriculum, and material pending School Board approval.

H EDUCATOR ACADEMY CAPSTONE TC/CAPP

One Year Course

Grades 12

**Prerequisite: Acceptance into
the H Educator Academy CAPP**

Course Number: FC221/FC222

*Students will explore theories and themes in education through reading, classroom experiences, coursework, and reflection. Students will collaborate with teaching professionals and each other to further understand the world of teaching and their place in it. A capstone experience and project will conclude this third course in the Educator Academy series.

H FOUNDATIONS OF EARLY CHILDHOOD EDUCATION TC

One Semester Course

Grades 11-12 (Age: 16 years)

Prerequisite: None

Course Number: FC121

Nursery School - Preschool – Group Child Care - Infants - Toddlers - School Age. So many names, so much to know! This course allows a high school student to become a certified Assistant Child Care Teacher in a licensed child care center. Students learn the role of the assistant teacher and how they assist the lead teacher in the classroom. Age-appropriate activities are learned and practiced along with the physical, emotional, social, and intellectual development of the child at various stages. ***If you love little kids, and are thinking about a career such as elementary education or pediatric health care, this course offers you a tremendous learning opportunity.*** In addition to high school credit, students can earn DPI certification.



Transcribed Credit

Transcribed credit will be granted from WCTC upon successful completion of this course.

RELATIONSHIPS

One Semester Course

Grades 11-12

Prerequisite: None

Course Number: FC270

What is the one thing that impacts every single aspect of one's life? Relationships. An insightful and informative course dealing with the real-life, contemporary issues of human interaction. Students gain a broadened and deeper understanding of such topics as friendship, dating, abuse, harassment, sexual responsibility, communication, stress and conflict management. Popular media, current resources, and memorable guest speakers contribute to the valuable impact of this class.

HEALTHCARE

INTRODUCTION TO HEALTHCARE

One Semester Course

Grades 9-12

Prerequisite: None

Course Number: FC119

This class is for all students considering a healthcare/medical career. Learn firsthand about the wide variety of career opportunities in this field. The class will feature guest speakers from all areas of the industry. Some jobs require a short training period while others require college and graduate work. Healthcare has a career for every level of learning and it is the fastest growing career field in Wisconsin.

H CONTEMPORARY HEALTHCARE PRACTICES TC

One Semester Course

Grade 10-12

Prerequisite: None

Course Number: FC134

Want to learn more about healthcare without joining the Academy? Students will learn professionalism, communication skills, and problem-solving skills as they relate to working in a variety of healthcare settings. Learners will examine content and uses of health records while investigating medical ethics and patient rights in relation to patient privacy and confidentiality issues.

Transcripted credit will be granted from WCTC upon successful completion of this course.



H MEDICAL TERMINOLOGY TC

One Year Course

Grades 11-12

Prerequisite: None

Course Number:

Semester 1: FC111

Semester 2: FC112

If a career in Medicine is in your future, this dual credit course is for you. Students will develop an understanding of medical terminology by breaking related words into prefixes, root words, and suffixes. You will become familiar with the operative, diagnostic, therapeutic, and symptomatic terminology of all body systems, as well as systemic and surgical terminology. Be a step ahead as you enter your college major by having the vocabulary necessary to succeed in any class. **Transcripted credit will be granted from WCTC upon successful completion of this course.**



HEALTHCARE ACADEMY

H CONTEMPORARY HEALTHCARE PRACTICES/HCA TC

One Year Course

Grade 10

Prerequisite: Intro to Healthcare or concurrent enrollment; Acceptance into the Healthcare Academy

Course Number:

Semester 1: FC132

Semester 2: FC133

 **WCTC**
Transcribed Credit



Students will learn and use professionalism, interpersonal and written communication skills, and problem-solving skills as they relate to various healthcare settings. Learners will examine content and uses of health records while investigating medical ethics and patient rights in relation to patient privacy and confidentiality issues. A job shadow, blood drives, speakers, and field trips enhance the students' Academy experience. This class is integrated with HCA English 10.

Transcribed credit will be granted from WCTC upon successful completion of this course.

H MEDICAL TERMINOLOGY/HCA TC

One Year Course

Grades 11

Prerequisite: Participation in the Healthcare Academy

Course Number:

Semester 1: FC113

Semester 2: FC114

 **WCTC**
Transcribed Credit



If a career in medicine is in your future, this dual credit course is for you. Students will develop an understanding of medical terminology by breaking related words into prefixes, root words, and suffixes. You will become familiar with the operative, diagnostic, therapeutic, and symptomatic terminology of all body systems, as well as systemic and surgical terminology. Be a step ahead as you enter your college major by having the vocabulary necessary to succeed in any class.

Transcribed credit will be granted from WCTC upon successful completion of this course.

HEALTHCARE ACADEMY CAPSTONE

One Year Course

Grade 12

Prerequisite: Participation in the Healthcare Academy

Course Number:

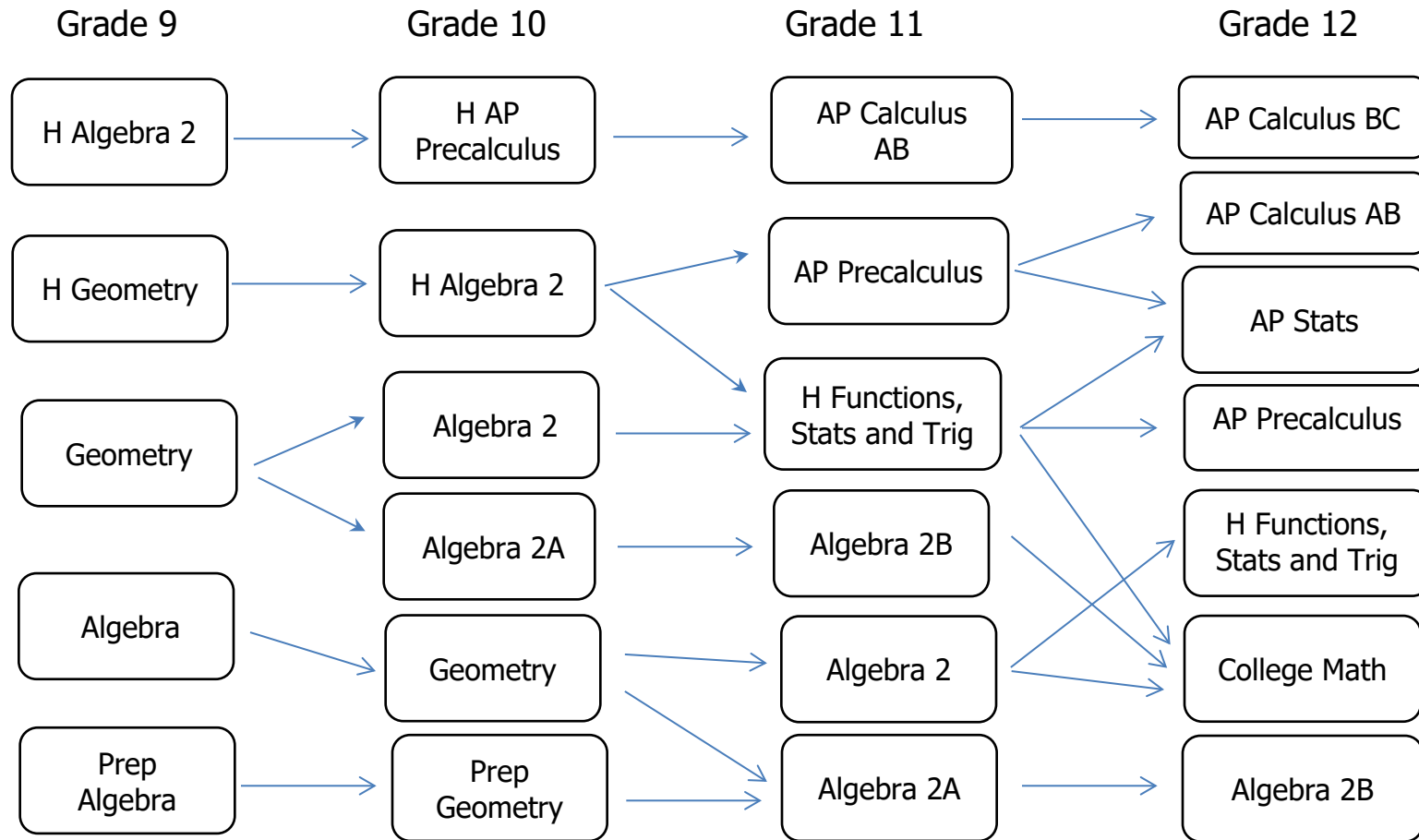
FC108

 **WCTC**
Transcribed Credit



Students will work in small groups to investigate a community health issue. They will propose, develop, and participate in service learning to address the identified concern. Through this process, the students will compile evidence of concepts and skills gained over 3-4 years in a portfolio format of their choice framed by the Healthcare Academy Essential Questions. A presentation to community healthcare professionals and school personnel will culminate the experience.

School District of Menomonee Falls Math Course Sequence



Notes:

- Students will be placed in the appropriate 9th grade course based on their 8th grade math performance
- Students need department approval to take AP Calculus BC
- Students need departmental approval to take Prep Algebra or Prep Geometry

Mathematics

Mission Statement:

The mission of the MFHS Mathematics Department is to create students whose mathematical literacy allows them to be successful critical thinkers, problem solvers, and users of modern technology in real world settings.

Course Title	Course Number	Length	Year Taken
Algebra 1	MA129	Year	9
Algebra 2	MA149	Year	10-12
Algebra 2A	MA135	Year	10-12
Algebra 2B	MA136	Year	10-12
H Algebra 2	MA169	Year	9-11
H AP [®] Calculus AB	MA180/MA190	Year	11-12
H AP [®] Calculus BC	MA198/MA210	Year	11-12
H AP [®] Pre-Calculus	MA453/MA454	Year	9-12
H AP [®] Statistics	MA288/MA289	Year	10-12
College Prep Math	MA113/MA114	Year	12
H Functions, Statistics & Trig	MA290/MA300	Year	10-12
Geometry	MA319	Year	9-12
H Geometry	MA329	Year	9-10
Prep Algebra	MA103	Year	9
Prep Geometry	MA105	Year	10
H Digital Electronics PLTW**	TE456/TE457	Year	10-12

**By request, this course may be used to complete credits toward the Math Graduation Requirement.

The Menomonee Falls High School mathematics curriculum is aligned to the Common Core State Standards in Mathematics. These standards define the knowledge and skills students should have within their K-12 education careers so that they will graduate high school able to succeed in entry-level, credit-bearing academic college courses and in workforce training programs.

Calculator Policy – Students will need to supply their own calculator for all math courses. These calculators will be supported by the course materials used in class and by the instructor; therefore, it is highly recommended that students bring it to class every day.

Courses requiring Scientific Calculator		Courses requiring Graphic Calculator
Algebra 1		Algebra 2
Geometry		Algebra 2A
H Geometry		Algebra 2B
Prep Algebra		H Algebra 2
Prep Geometry		H AP Calculus AB
		H AP Calculus BC
		H AP Pre-Calculus
		H AP Statistics
		College Prep Math
		H functions, Statistics & Trig

ALGEBRA 1

One Year Course

Grade 9***Prerequisite: None – Department Placement***

Course Number: MA129

Algebra is the manipulation and solving of equations containing variable. Topics include algebraic operations, solving linear equations/inequalities (including absolute value), introduction to functions, deriving and graphing linear functions to develop an understanding of slopes and intercepts, solving systems of equations, applying basic operations to monomials and polynomials of second and third degree, solving quadratic equations using a variety of methods, and introduction to statistics.

ALGEBRA 2

One Year Course

Grades 10- 12***Prerequisite: Algebra 1 and Geometry******(A, B or C level work)******or Department Approval***

Course Number: MA149

Students will continue their study of functions including polynomial, exponential, rational, and radical functions. Students will make sense of periodic behavior as they study trigonometric functions and build fluency with values of sine, cosine, and tangent at various angle measures. Students will apply algebraic and geometric properties of conic sections to real-world problems. Equation solving strategies expand to include higher degree polynomials and quadratics over the complex number system and exponential equations using properties of logarithms. Statistics and probability topics include sampling methods, distributions, permutations, combinations, and decision making.

ALGEBRA 2A

One Year Course

Grades 10-12***Prerequisite: Geometry and Algebra 1***

Course Number: MA135

This course will cover the topics in the first semester of Algebra 2 over the entire year. Topics include polynomial, exponential, rational, and radical functions. Equation solving strategies expand to include higher degree polynomials and quadratics over the complex number system and exponential equations using properties of logarithms.

ALGEBRA 2B

One Year Course

Grades 10-12***Prerequisite: Algebra 2A***

Course Number: MA136

This course will cover the topics in the second semester of Algebra 2 over the entire year. Students will make sense of periodic behavior as they study trigonometric functions and build fluency with values of sine, cosine, and tangent at various angle measures. Students will apply algebraic and geometric properties of conic sections to real-world problems. Statistics and probability topics include sampling methods, distributions, permutations, combinations, and decision making.

H ALGEBRA 2

One Year Course

Grades 9-11***Prerequisite: Geometry (A level work),******H Geometry (A or B Level work),******or Department Approval***

Course Number: MA136

The Honors Algebra 2 course covers the material taught in Algebra 2 in great depth and at a faster pace. Students in Honors Algebra 2 are expected to demonstrate proficiency in the extension skills taught.

H AP[®] CALCULUS AB

One Year Course

Grades 11-12***Prerequisite: H Pre-Calculus (A or B level work) or Department Approval***

Course Number:

Semester 1: MA180

Semester 2: MA190

H AP[®] CALCULUS AB (continue)

Calculus is a rigorous mathematics course intended for those students who are interested in pursuing careers in mathematics, science, engineering, or business. The course content is similar to that offered in freshman level Calculus classes at most major universities. Topics included in the syllabus will be a brief review of trigonometry and some advanced algebra topics, limits, differential calculus and its applications, and integral calculus and its applications.

Upon successful completion of this course, students may elect to take the AP Calculus AB exam in May. Based on performance on this test, students may earn college credits.

H AP[®] CALCULUS BC

One Year Course

Grades 11-12***Prerequisite: AP Calculus AB (A or B level work) or Department Approval***

Course Number:

Semester 1: MA198

Semester 2: MA210

This course serves a follow-up to AP Calculus AB so students can fulfill the curricular expectations of AP Calculus BC. The course will involve an in-depth review of the AP Calculus AB subject matter of limits, Differential Calculus and Integral Calculus with the additional content that AP Calculus BC requires of these topics. The majority of the course will focus on topics unique to AP Calculus BC. These include Parametric, Vector and Polar functions, additional methods of integration, Geometric, Harmonic and Alternating Series, MacLaurin and Taylor Series, testing for series convergence as well as error bounds for series.

H AP[®] PRE-CALCULUS

One Year Course

Grades 9-12***Prerequisite: Algebra 2 (A level work), H Algebra 2 (A or B level work), H FST or Department Approval***

Course Number:

Semester 1: MA453

Semester 2: MA454

H AP Pre-Calculus prepares students for other college-level mathematics and science courses. The topics include Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, Functions Involving Parameters, Vectors, and Matrices. These units comprise the content and conceptual understandings that colleges and universities typically expect students to master to qualify for college credit and/or placement.

H AP[®] STATISTICS

One Year Course

Grades 10-12

***Prerequisite: Algebra 2, H Algebra 2
or Department Approval***

Course Number:

Semester 1: MA288

Semester 2: MA289

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The class has four basic themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

It is intended that students enrolled in this course take the Advanced Placement examination in AP Statistics in the spring of their year of study.

Recommendation: It is strongly recommended that students taking AP Statistics have demonstrated a high level of proficiency in their prerequisite course. This means that students performed very well on assessments such as midterm exams, semester exams or any other benchmark assessments in the prerequisite course. This would be a strong indicator of probable success in AP Statistics.

Upon successful completion of this course, students may elect to take the AP Statistics Exam in May. Based on the performance on this test, college credits may be earned.

COLLEGE PREP MATH

One Year Course

Grade 12

Prerequisite: Algebra 2 or H FST

Course Number:

Semester 1: MA113

Semester 2: MA114

College Prep Math is an excellent course for the student who wants to increase their math skills and problem-solving abilities. The course is an overview of the major topics of Algebra 1, Geometry, Algebra 2 and Trigonometry. Students will prepare for the EMPT (Early Math Placement Test) conducted by the University of Wisconsin System. The ultimate goal of taking the class is to improve math skills to avoid remedial math placement as a freshman in college.

H FUNCTIONS, STATISTICS & TRIG

One Year Course

Grade 10-12

Prerequisite: H Algebra 2 or Algebra 2

Course Number:

Semester 1: MA290

Semester 2: MA300

The Functions, Statistics and Trigonometry course will include graphing polynomial and rational functions, inverse and composite functions, exponential and log functions, matrices, sequences and series, vectors, unit circle trigonometry, trig identities, probability, and statistics.

GEOMETRY

One Year Course

Grades 9-12***Prerequisite: Algebra 1***

Course Number: MA319

In this course students will acquire tools to help them explore two-dimensional and three-dimensional space. These tools include Euclidean geometry, rigid motion transformations, dilations and similarity, and coordinate geometry. Students will learn how to prove various geometric facts about triangles, quadrilaterals, and circles by using two-column and flow chart proofs. Finally, students will model real world objects using geometric formulas for perimeter, area, and volume. Three dimensional objects such as prisms, pyramids, cones, cylinders, and spheres will be used in a variety of models.

H GEOMETRY

One Year Course

Grades 9-10***Prerequisite: Algebra 1 (A or B level work) or Department Approval***

Course Number: MA329

The Honors Geometry course covers the material taught in Geometry in greater depth. Students in H Geometry are expected to demonstrate proficiency in the focus and extension skills that are taught.

Teacher recommendation is required for a student to register for any of these courses.

PREP ALGEBRA

One Year Course

Grade 9***Prerequisite: None - Department Placement***

Course Number: MA103

Prep Algebra course covers the essential key concepts taught in Algebra. Since this is an abbreviated course, it moves at a slower pace than Algebra and Geometry. Students are expected to demonstrate proficiency in the essential skills that are taught.

PREP GEOMETRY

One Year Course

Grade 11***Prerequisite: Prep Algebra or Department Recommendation***

Course Number: MA105

Prep Geometry course covers the essential key concepts taught in Geometry. Since this is an abbreviated course, it moves at a slower pace than Algebra and Geometry. Students are expected to demonstrate proficiency in the essential skills that are taught.

Menomonee Falls Music Course Programming

6th Grade Music Elective Options

6th Grade Band and 6th Grade Orchestra
6th Grade Exploring Music (9-week course) OR 6th Grade Choir (9-week course)

7th Grade Music Elective Options

7th Grade Band, 7th Grade Orchestra and 7th Grade Choir
7th / 8th Grade Exploring Music OR Ukulele and Songwriting Workshop (semester course offered alternate years)

8th Grade Music Elective Options

8th Grade Band, 8th grade Orchestra and 8th Grade Choir
7th / 8th Grade Exploring Music OR Ukulele and Songwriting Workshop (semester course offered alternate years)

Note: All courses are year-long unless otherwise noted.

9th Grade Music Elective Options

Freshman Band
Freshman Choir
Symphonic Orchestra (string instruments only)
Digital Music Production (Semester course)
Digital Music Production II (Semester course)
Jazz Band Zero Hour (by audition)

10th Grade Music Elective Options

Symphonic Band or Wind Symphony (by audition)
Concert Choir
Master Singers (by audition only)
Symphonic Orchestra
AP[®] Music Theory
Jazz Band Zero Hour (by audition)
Digital Music Production (Semester course)
Digital Music Production II (Semester course)

11th Grade Music Elective Options

Symphonic Band or Wind Symphony (by audition)
Concert Choir
Master Singers (by audition only)
Symphonic Orchestra
AP[®] Music Theory
Jazz Band Zero Hour (by audition)
Digital Music Production (Semester course)
Digital Music Production II (Semester course)

12th Grade Music Elective Options

Symphonic Band or Wind Symphony (by audition only)
Concert Choir
Master Singers (by audition only)
Symphonic Orchestra
AP[®] Music Theory
Jazz Band Zero Hour (by audition)
Digital Music Production (Semester course)
Digital Music Production II (Semester course)

Music

Mission Statement:

The Menomonee Falls Music Department provides a relevant and accessible musical experience so that all students can make informed decisions as participants in music, cultivating a life-long understanding and appreciation.

Beliefs:

We believe students can learn in a challenging and nurturing environment.

We believe students must develop individual skills and knowledge, and be provided opportunities for aesthetic expression.

We believe it is necessary to work together with the staff, students and community.

Course Title	Course Number	Length	Year Taken
Freshman Choir	MU147/ MU148	Year	9
H Freshman Choir	MU155/ MU156	Year	9
Concert Choir	MU131/ MU132	Year	10-12
H Master Singers	MU151/ MU152	Year	10-12
Digital Music Production	MU400	Semester	9-12
Digital Music Production II	MU401	Semester	9-12
Freshman Band	MU103/ MU104	Year	9
H Freshman Band	MU105/ MU106	Year	9
Symphonic Band	MU251/ MU252	Year	10-12
H Symphonic Band	MU261/ MU262	Year	10-12
H Wind Symphony	MU301/ MU302	Year	10-12
H AP [®] Music Theory	MU234/ MU235	Year	10-12
Symphonic Orchestra	MU271/ MU272	Year	9-12
H Symphonic Orchestra	MU281/ MU282	Year	9-12
Jazz Band Zero Hour	MU406/MU407	Year	9-12

All Music Department courses require a class fee payable at registration or at the front office. See Page 7 for applicable fees.

FRESHMAN CHOIR

One Year Course

Grade 9

This course can be taken as Honors by signing up the first week of school with the teacher.

Course Number:

Semester 1: MU147

Semester 2: MU148

Freshman Choir is for those who enjoy music and wish to learn more about it through singing. Students will learn the basics of sight singing, vowel production, dynamics and expression through a wide variety of musical styles and historical periods. Students may participate in Solo and Ensemble Festival. With department approval, a student may take this course for honors credit. Additional independent work and the performance of a class A solo or ensemble are just a part of the honors credit requirement.

H FRESHMAN CHOIR

One Year Course

Grade 9

Your teacher will register you in the first week of school for Honors if you are interested. For registration purposes, sign up for Freshman Choir.

Course Number:

Semester 1: MU155

Semester 2: MU156

Concert Choir is a continuation of Freshman Choir with more complicated music. Students will also learn sight singing, vowel production, dynamics and expression by singing a wide variety of musical styles and historical periods. Students may participate in Solo and Ensemble Festival. With department approval, a student may take this course for honors credit. Additional independent work and the performance of a class A solo or ensemble are just a part of the honors credit requirement.

CONCERT CHOIR

One year course

Grades 10-12

This course can be taken as Honors by signing up the first week of school with the teacher.

Course number:

Semester. 1 : MU131

Semester. 2: MU132

Master Singers is a Women's (Treble) choir open to 10th-12th grade students who pass an audition. The repertoire is considerably more challenging requiring a cappella and small ensemble blend. Master Singers perform a wide variety of musical styles and historical periods. Additional performances are required for this group. Students must prepare a class A solo or ensemble. This class is an honors course requiring additional independent work.

H MASTER SINGERS

One Year Course

Grades 10-12

Course Number:

Semester 1: MU151

Semester 2: MU152

The above H Master Singers course will not be a selection at the time of registration. Auditions will be held and the director will place students into the appropriate course. Interested students should enroll in Concert Choir.

Digital Music Production

One Semester Course

Grades 9-12

Course Number: MU400

Students will learn how to create, arrange and manipulate digital audio using the Ableton Live digital audio workstation (DAW). In addition, students will learn about song form, song writing and capturing live recordings of instruments such as voice and guitar. This course is part of the Creative Academy and careers in audio engineering, sound recording, and songwriting will be explored.

Digital Music Production II

One Semester Course

Grades 9-12

Prerequisite: Completion of Digital Music Production 1 with a 70% or higher or

Department Approval

Course Number: MU401

Students who have successfully completed Digital Music Production will learn more advanced techniques in digital music using Ableton Live. Advanced mixing, editing, automation, and recording techniques will be explored. In Collaboration with the Creative Academy students will learn how to produce digital music that can be applied to a variety of mediums. Career exploration with an emphasis on music production, audio engineering and music business management will part of the class as well.

FRESHMAN BAND

One Year Course

Grade 9

This course can be taken as Honors by signing up the first week of school with the teacher.

Course Number:

Semester 1: MU103

Semester 2: MU104

The Freshman Band is an ensemble for any ninth-grade student who has had some prior experience performing with a wind or percussion instrument. This ensemble further develops the foundational aspects of students' performance abilities while rehearsing and performing high quality and challenging literature for winds and percussion. Lack of skill should not be a deterrent to anyone wishing to play in the band with prior experience and the instructors will help each musician reach their performance goals. In addition to concerts, members also perform in the pep band, Solo and Ensemble Festivals, the Menomonee Falls High School Marching Band, and jazz ensembles. By director approval, a student may take this course for honors credit. Students electing to take Freshman Band for honors credit will be expected to complete additional independent projects.

H FRESHMAN BAND

One Year Course

Grade 9

Your teacher will register you in the First week of school for Honors if you are interested. For registration purposes, sign up for Freshman Band.

Course Number:

Semester 1: MU105

Semester 2: MU106

All band students entering grades 10-12 should select **Symphonic Band** at the time of registration. Auditions will be held and the director will place students into Symphonic Band or wind Symphony.

SYMPHONIC BAND

One Year Course

Grades 10-12

After your audition and placement in this band, this course can be taken as Honors by signing up the first week of school with the teacher. For registration purposes, sign up for Symphonic Band.

Course Number:

Semester 1: MU251

Semester 2: MU252

The Symphonic Band fosters high performance standards while offering its members an opportunity to expand their technical, intellectual, and musical horizons. Primary emphasis is placed on creating characteristic instrumental tone, music reading skills, and ensemble performance skills through the study of a wide variety of musical literature. The Symphonic Band performs various concerts each year. Symphonic Band students are also members of the Menomonee Falls High School Marching Band and pep band. Symphonic Band members also perform in the WSMA Solo and Ensemble festivals and in jazz ensembles. With director approval, a student may take this course for honors credit. Students electing to take Symphonic Band for honors credit will be expected to complete additional independent projects.

H SYMPHONIC BAND

One Year Course

Grades 10-12

If you are interested in Honors, your teacher will register you in the first week of school for Honors in this course. For registration purposes, sign up for Symphonic Band.

Course Number:

Semester 1: MU261

Semester 2: MU262

All band students entering grades 10-12 should select **Symphonic Band** at the time of registration. Auditions will be held and the director will place students into Symphonic Band or Wind Symphony.

H WIND SYMPHONY

One Year Course

Grades 10-12

After your audition and placement in this band, this course is only offered as Honors. For registration purposes, sign up for **Symphonic Band.**

Course Number:

Semester 1: MU301

Semester 2: MU302

The Wind Symphony is the most advanced ensemble in the band program, with a focus on the rehearsal and performance of college and professional-level literature for winds and percussion. Membership in the Wind Symphony is gained through audition. The Wind Symphony performs multiple concerts throughout the year. Wind Symphony members also perform in the Menomonee Falls Marching Band and pep band. Students in Wind Symphony may also elect to perform in one of the school's jazz ensembles. Students also participate in the WSMA Solo and Ensemble festival. This course is available exclusively as an honors course.

H AP[®] MUSIC THEORY

One Year Course

Grades 10-12

Course Number:

Semester 1: MU234

Semester 2: MU235

Students in AP Music Theory will be introduced to the elements of music theory and composition, and will learn how to apply knowledge of these areas in a variety of facets including, but not limited to, writing, composing, performing on an instrument, and singing. The emphasis will be on the rules of theory, composition, ear training, sight singing, analysis, and basic keyboard skills. The course is designed both for students who desire to prepare for music as a career as well as those who desire it for personal enrichment. While the main emphasis is placed on standard Western tonal repertoire of the Common Practice Period (1600-1750) (vocal and instrumental), music of other stylistic periods may also be studied in this course. This course is designed to help students prepare for the AP Music Theory Exam in May.

SYMPHONIC ORCHESTRA

One Year Course

Grades 9-12

This course can be taken as Honors by signing up the first week of school with the teacher.

Course Number:

Semester 1: MU271

Semester 2: MU272

The Symphonic Orchestra is for anyone who has had some prior experience playing a string instrument. The Symphonic Orchestra performs multiple concerts a year. Orchestra members may participate in various ensembles and will occasionally perform throughout the community. Students participate in WSMA Solo and Ensemble each year. With director approval, a student may take this course for honors credit. Additional independent projects are required for the honors credit.

H SYMPHONIC ORCHESTRA

One Year Course

Grades 9-12

Your teacher will register you in the first week of school for Honors if you are interested. For registration purposes, sign up for Symphonic Orchestra.

Course Number:

Semester 1: MU281

Semester 2: MU282

JAZZ BAND ZERO HOUR

One Year Course

Grades 9-12

Prerequisite: Audition and written consent of the teacher

Course Number:

Semester 1: MU406

Semester 2: MU407

The Menomonee Falls Music Department maintains a concurrent-enrollment policy for all wind and percussion students participating in the jazz program. All wind students must also be enrolled in one of Menomonee Falls' curricular concert bands, and all bassists must be enrolled in one of Menomonee Falls' curricular orchestras. Jazz Ensemble performs in concerts and special events. The group explores improvisation and music in the jazz idiom. The roots and historical perspective of jazz are presented throughout the year.



Science Course Sequence Recommendations

The chart on the next page summarizes the MFHS Science Department's recommendations for students based on the kind of science background recommended for different post-high school plans. The content required for success on the ACT Science Reasoning section was also considered as most students take the ACT during their junior year in preparation for college applications.

This is not meant to answer all questions about individual course sequences. Because all students differ in terms of strengths and interests, students should consult with their current science teacher.

Please note: courses in each category are listed alphabetically, not in order of importance.

Advanced STEM Track: Students who are planning on attending a 4-year college or university with a strong interest in a science-related major and/or future career.

STEM Track: Students who are planning on attending a 4-year college or university or 2-year college or university with an interest in a science-related major and/or future career.

Post-Secondary Track: Students who are planning on pursuing a trade or attending a 4-year or a 2-year college or university with an interest in a non-science major and/or future career.

Proficient: Students planning on graduating from MFHS as a minimum of three years of science is required.

Advanced STEM Track

More than one science course most years

9th grade:

H Biology

10th grade:H Chemistry and
one of the following:

H Anatomy

H AP[®] Biology

H Digital Electronics PLTW

H Earth Science

H AP[®] Environmental ScienceH AP[®] Physics

H Principles of Engineering PLTW

11th grade:H AP[®] Physics and

one of the following:

H Anatomy

H AP[®] BiologyH AP[®] Chemistry

H Digital Electronics PLTW

H Earth Science

H AP[®] Environmental Science

H Principles of Engineering PLTW

12th grade:Take two of the courses listed under
11th grade.**STEM Track**

More than one science course most years

9th grade:

Biology or H Biology

10th grade:Chemistry or H Chemistry and
one of the following:

Anatomy or H Anatomy

H AP[®] Biology

H Digital Electronics PLTW

Earth Science or H Earth Science

H AP[®] Environmental ScienceH AP[®] Physics

H Principles of Engineering PLTW

11th grade:Physics or H AP[®] Physics and

one of the following:

Anatomy or H Anatomy

H AP[®] BiologyH AP[®] Chemistry

H Digital Electronics PLTW

Earth Science or H Earth Science

H AP[®] Environmental Science

H Principles of Engineering PLTW

12th grade:Take one or two of the courses listed
under 11th grade.**Post-Secondary Track**

One science course each year

9th grade:

Biology or H Biology

10th grade:

Take one of the following:

Chemistry or H Chemistry

Earth Science or H Earth Science

H Principles of Engineering PLTW

11th grade:

Take one of the following:

Anatomy or H Anatomy

Chemistry or H Chemistry

Earth Science or H Earth Science

H AP[®] Environmental SciencePhysics or H AP[®] Physics**12th grade:**

Take one of the following:

Anatomy or H Anatomy

H AP[®] Biology

Chemistry or H Chemistry

H AP[®] Chemistry

H Digital Electronics PLTW

Earth Science or H Earth Science

H AP[®] Environmental SciencePhysics or H AP[®] Physics

H Survey of Physics TC

Proficient

Three years of science

9th grade:

Biology

10th grade:

Take one of the following:

Chemistry

Earth Science

Physics

H Survey of Physics TC

H Principles of Engineering PLTW

11th grade:

Take one of the following:

Anatomy

Chemistry

Earth Science

Physics

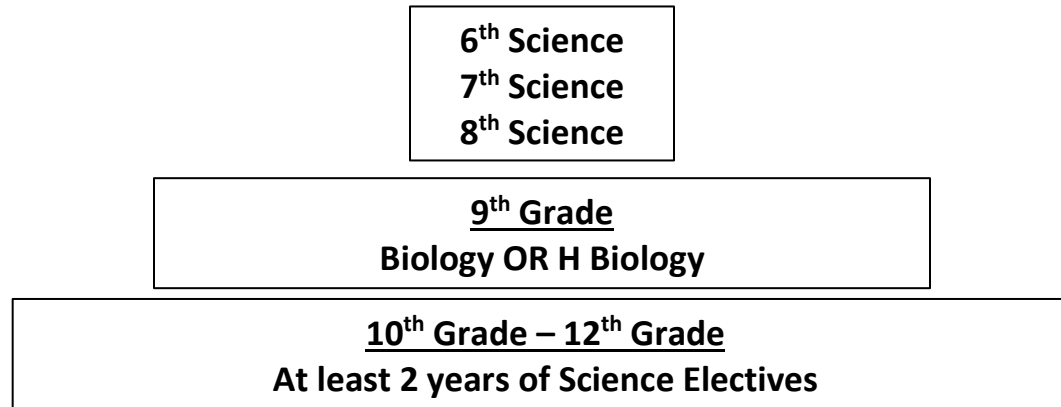
H Survey of Physics TC

H Principles of Engineering PLTW

12th grade:

Take a course in an area of interest

Science Department Curriculum Map – Grades 6-12



- 3 years of science are required for graduation
- The typical course sequence is Biology, Chemistry, Physics, Elective
- Students highly interested in science careers should consider taking more than 4 science courses during high school

Science Course Sequence Recommendations

The chart on the next page summarizes the MFHS Science Department's recommendations for students based on the kind of science background recommended for different post-high school plans. The content required for success on the ACT Science Reasoning section was also considered as most students take the ACT during their junior year in preparation for college applications. This is not meant to answer all questions about individual course sequences. Because all students differ in terms of strengths and interests, students should consult with their current science teacher.

Please note: courses in each category are listed alphabetically, not in order of importance.

Advanced STEM Track: Students who are planning on attending a 4-year college or university with a strong interest in a science-related major and/or future career.

STEM Track: Students who are planning on attending a 4-year or a 2-year college or university with an interest in a science-related major and/or future career.

Post-Secondary Track: Students who are planning on pursuing a trade or attending a 4-year or a 2-year college or university with an interest in a non-science major and/or future career.

Proficient: Students planning on graduating from MFHS as a minimum of three years of science is required

Science

Mission Statement:

The School District of Menomonee Falls Science Department is an active, continuing, and standards aligned curriculum that focuses on student’s application of scientific knowledge using an innovative and engaging inquiry based approach.

Course Title	Course Number	Length	Year Taken
Biology	SC179	Year	9
H Biology	SC209	Year	9
H AP® Biology	SC198/ SC199	Year	10-12
H AP® Environmental Science	SC131/ SC132	Year	10-12
H AP® Environmental Science Zero Hour	SC02Z/SC03Z	Year	10-12
H AP® Physics	SC616/ SC617	Year	10-12
Chemistry I	SC269	Year	10-12
Chemistry I Zero Hour	SC01Z	Year	10-12
H Chemistry I	SC290/ SC300	Year	10-12
Earth & Space Science	SC400/ SC410	Year	10-12
H Earth & Space Science	SC420/ SC430	Year	10-12
Human Anatomy/Physiology	SC460/ SC470	Year	10-12
H Human Anatomy and Physiology (BIO202 UWM)	SC518/SC519	Year	10-12
Physics	SC570/ SC580	Year	10-12
H Survey of Physics TC	SC621/ SC622	Year	10-12
H Principles of Engineering PLTW*	TE444/TE445	Year	10-12
H AP® Chemistry	SC371/ SC372	Year	11-12
Forensic Science I (Online)	SC512	Semester	11-12
Veterinary Science (Online)	SC670	Semester	11-12

*By request, this course may be used to complete credits toward the Science Graduation Requirement.

BIOLOGY

One Year Course

Grade 9

Prerequisite: None

Course Number: SC179

This course has been designed to expose students to the apparent unity and diversity among living organisms. Laboratory exercises and demonstrations are used in presenting topics of biochemistry, cellular biology, plant and animal processes, and the ecology of water quality. Students completing two semesters of this course should have developed certain concepts about life that will enable them to better understand nature’s living realm.

H BIOLOGY

One Year Course

Grade 9

Prerequisite: Department Approval

Course Number: SC209

H Biology is an in depth, laboratory-centered survey of general biology for the college bound student. Equal emphasis is placed on biological inquiry and biological subject matter. Inquiry into biological subject matter is made possible by the frequent use of the laboratory, the considerations of biological history, and thorough student oriented activities and discussions. Quantitative techniques are employed to apply mathematical analysis to laboratory investigations. Biological topics are similar to those covered in regular biology but in much more depth and breadth with particular emphasis on the molecular basis.

H AP[®] BIOLOGY

One Year Course

Grades 10-12

Prerequisite: Successful completion of Biology and Chemistry; Department Approval

Course Number:

Semester 1: SC198

Semester 2: SC199

The H AP Biology course is designed to enable the student to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The key concepts and related content that define the AP Biology course and exam are organized around a few underlying principles the College Board refers to as the Big Ideas. These encompass the core scientific principles, theories and processes governing living organisms and biological systems. The four Big Ideas include Evolution, Cellular Processes, Genetics and Information Transfer and Interactions.

This H AP Biology course is equivalent to a two-semester college introductory biology course and has been endorsed enthusiastically by higher education officials. Upon successful completion of the AP Biology course, students are encouraged to take the AP exam to earn college credit.

Surveys of AP Biology exam scores indicate that the probability of achieving a score of 3 or higher is significantly greater for students who successfully complete a first course in high school biology. For this reason, Menomonee Falls High School students are required to successfully complete sophomore level Biology prior to enrolling in AP Biology. Students may also receive department approval. Topics from Biology in which students will need to exhibit proficiency at the start of AP Biology include atomic theory and bonding, cell division and cell reproduction, organelles, and basic Mendelian genetics. There will be a summer assignment in which the students practice inquiry through a self-directed laboratory.

H AP[®] ENVIRONMENTAL SCIENCE

One Year Course

Grades 10-12

Prerequisite: Successful completion of Biology, Chemistry or concurrent Chemistry enrollment.

Course Number:

Semester 1: SC131

Semester 2: SC132

*Zero Hour Course Number:

SC02Z-Semester 1

SC03Z-Semester 2

H AP Environmental Science is designed to be the equivalent of one semester introductory college course in Environmental Science and is specifically intended for those students who intend to take the College Board AP Environmental Exam in May. This course provides students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world and to identify and analyze environmental issues both natural and man-made. Students will examine various environmental issues and discuss ways to solve or prevent them. Laboratory investigations are an essential component of the course.

****THIS COURSE OFFERED ZERO HOUR
DEPENDING ON ENROLLMENT
7:00 AM-7:45 AM (ZERO HOUR)***

H AP[®] PHYSICS

One Year Course

Grades 10-12***Prerequisite: Successful completion of Algebra 2 or Department Approval***

Course Number:

Semester 1: SC616

Semester 2: SC617

Content in H Physics includes Mechanics (kinematics, projectile motion, forces, energy, circular motion, momentum), as well as sound and basic circuits. Special projects include an egg-drop contest, building a water rocket, and a field trip to Great America. Students will also use computers for data analysis. This course emphasizes those skills and thought processes considered important for progress in science and technology. It is highly recommended for students who plan to major in science, engineering, mathematics or pre-med.

Because H Physics is a mathematics-based science course, students must have a strong background in algebra, trigonometry, geometry, and a sound understanding of problem-solving. They must be able to use the quadratic equation, solve multistep arithmetic problems that involve planning or converting units of measures, manipulate algebraic expressions and equations by substituting values for unknown quantities.

CHEMISTRY I

One Year Course

Grades 10-12***Prerequisite: Successful completion of Biology and Algebra***

Course Number: SC269

*Zero Hour Course number: SC01Z

****THIS COURSE OFFERED ZERO HOUR
DEPENDING ON ENROLLMENT
7:00 AM-7:45 AM (ZERO HOUR)***

This course is designed for students with strong reading ability who plan to attend a college or technical school but are not necessarily majoring in science. It is an excellent course for those curious about chemistry or those interested in a science-related vocation, i.e., medical or laboratory technicians, nurses, elementary teachers, etc. The course includes the study of atomic structure, the nature of chemical reactions, the writing of equations, problem solving and practical applications. These concepts are reinforced with lab work where appropriate.

Because Chemistry is a mathematics-based science course, students must have a strong background in Algebra I. They must be able to solve multistep arithmetic problems that involve planning or converting units of measures, and to manipulate algebraic expressions and equations by substituting values for unknown quantities.

H CHEMISTRY I

One Year Course

Grades 10-12***Prerequisite: Successful completion of Biology and Algebra***

Course Number:

Semester 1: SC290

Semester 2: SC300

As with most sciences, our present understanding of chemistry is rooted in history. Through numerous laboratory experiments and investigations chemists have “discovered” the laws, theories, and concepts studied in this course. In order to understand chemistry, as well as the nature of science, in this course the student will be provided with opportunities to discover the laws of chemistry in much the same manner as the chemists of the past. Whenever possible, laboratory experiments are used as a lead-in, not a follow-up, to concepts discussed in this class. H Chemistry is a quantitative, in-depth

CHEMISTRY I (continue)

course designed for college-bound students, especially those considering a science-related major. Chemistry topics covered are similar to those covered in Regular Chemistry, but in much more depth of theory and more strenuous mathematical expectations.

Because H Chemistry is a mathematics-based science course, students must have a strong background in Algebra I, and a sound understanding of problem-solving. They must be able to solve multistep arithmetic problems that involve planning or converting units of measures, and to manipulate algebraic expressions and equations by substituting values for unknown quantities.

EARTH & SPACE SCIENCE

One Year Course

Grades 10-12

Prerequisite: None

Course Number:

Semester 1: SC400

Semester 2: SC410

Earth and Space Science is the study of the Earth, its place in the Universe and the geologic processes that shape the surface of our planet. Earth Science is divided into three major units consisting of Astronomy, Geology and Meteorology. Students will study the composition of our solar system and universes while also studying processes that shape our planet such as plate tectonics, earthquakes and volcanoes. Students will also have an opportunity to investigate the science of Meteorology and weather phenomena such as hurricanes, tornadoes and thunderstorms. Lab activities and computer applications are integrated into this course. This course is designed to prepare students for collegiate level course work in the field of Earth Science.

H EARTH & SPACE SCIENCE

One Year Course

Grades 10-12

Prerequisite: None

Course Number:

Semester 1: SC420

Semester 2: SC430

Earth and Space Science is the study of the Earth, its place in the Universe and the geologic processes that shape the surface of our planet. Earth Science is divided into three major units consisting of Astronomy, Geology and Meteorology. Students will study the composition of our solar system and universes while also studying processes that shape our planet such as plate tectonics, earthquakes and volcanoes. Students will also have an opportunity to investigate the science of Meteorology and study weather phenomena such as hurricanes, tornadoes and thunderstorms. Lab activities and computer applications are integrated into this course. This course is designed to prepare students for collegiate level course work in the field of Earth Science.

HUMAN ANATOMY/PHYSIOLOGY

One Year Course

Grades 10-12

Prerequisite: Biology

Course Number:

Semester 1: SC460

Semester 2: SC470

Human Anatomy and Physiology is an exciting course that examines the structures and functions of the various systems of the human body. Animal dissections will be used to help us better understand how the human body works. The course is especially important for those interested in pursuing a career in a health related field, but not mandatory. Students will be expected to purchase a cat dissection lab manual.

H HUMAN ANATOMY AND PHYSIOLOGY (BIO202 UWM)

One Year Course

Grades 10-12

Prerequisite: *Biology*

Recommendation: *Successful completion of Chemistry H or concurrent enrollment.*

Course Number:

Semester 1: SC518

Semester 2: SC519

Honors Human Anatomy and Physiology is a yearlong course. The first semester is a dual credit course option that allows students to earn both MFHS credit and transferable credit through UW-Milwaukee for BIO SCI 202 (4 credits). Students will register through UW Milwaukee if they are interested in the college credit, but do not need to be registered if they are interested in only the high school credit. The course is designed to expose students to the study of cells, tissues and the various systems of the human body. Laboratory components include anatomical and physiological studies using microscopy, modeling, experimentation and projects. Anatomy and physiology involves a great deal of memorization as it involves the etiology of many words. Animal dissections will be used to help us better understand how the human body works. This course is strongly recommended for those students who are interested in medicine, nursing, medical technology, zoology, physical therapy, physical education or any health care related field.

PHYSICS

One Year Course

Grades 10-12

Prerequisite: *Successful completion of Algebra 2*

Course Number:

Semester 1: SC570

Semester 2: SC580

Content in Regular Physics includes Mechanics. Students will receive a good understanding of kinematics, projectile motion, forces, energy, and momentum. Special projects include building a mouse-trap car, an egg-drop contest, building a water rocket, and a field trip to Great America. Students will also use computers for data analysis. This course emphasizes those skills and thought processes considered important for progress in science and technology. It is highly recommended for students who plan to go on to higher education.

Because Physics is a mathematics-based science course, students must have a strong background in algebra, trigonometry, geometry, and a sound understanding of problem-solving. They must be able to use the quadratic equation, solve multistep arithmetic problems that involve planning or converting units of measures, manipulate algebraic expressions and equations by substituting values for unknown quantities.

H SURVEY OF PHYSICS TC

One Year Course

Grades 10-12

Prerequisite: *Successful Completion of 1 year of high school Math*

Course Number:

Semester 1: SC621

Semester 2: SC622

H Survey of Physics TC is an elective designed for the specific purpose of applications in the world around us. ***Students will have the option to take the course for Transcribed Credit through WCTC.*** In this course students will be able to view nature more perceptively and to see the relationships that make up its rules. This is a less math intensive course that will stress conceptualization over computation. It is a survey course with topics covered that will include mechanics, materials, thermodynamics, waves and sound, electricity and magnetism, and optics. Specific topics will include projectile motion, the physics of lasers, rainbows, color mixing, musical instruments, microwave ovens, polarization, and circuit applications. Special projects will include building a mechanical wave generator as well as a field trip to Great America.



Transcribed Credit

H PRINCIPLES OF ENGINEERING PLTW

One year Course

Grades 10-12

Prerequisite: None

****Introduction to Engineering Design is recommended**

Course Number:

Semester 1:TE444

Semester 2:TE445



By request, this course is eligible to fulfill 2 credits of the Science Graduation Requirement. Please see your counselor for complete information.

See the course description in the Technology Education and Engineering Section.

H AP[®] CHEMISTRY

One Year Course

Grades 11-12

Prerequisite: Successful completion of Chemistry I; Department Approval

Course Number:

Semester 1: SC371

Semester 2: SC372

H AP Chemistry is the equivalent of a two-semester introductory chemistry college course. AP Chemistry differs from Chemistry I with respect to the number and depth of topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by students. This will require increased time and effort on the part of the students. Topics covered in AP Chemistry are determined by the College Board. Upon successful completion of the AP Chemistry course, students are expected to take the AP exam to earn college credit.

Surveys of AP Chemistry exam scores indicate that the probability of achieving a score of 3 or higher is significantly greater for students who successfully complete a first course in high school chemistry. For this reason, Menomonee Falls High School students are required to successfully complete Chemistry I prior to enrolling in AP Chemistry. Students must also receive department approval. AP Chemistry takes full advantage of students' first-year chemistry course. Topics from Chemistry I in which students will need to exhibit proficiency at the start of AP Chemistry include the history of atomic theory, electronic structure, nomenclature, balancing equations, the mole concept and stoichiometry, periodic trends, chemical bonds, intermolecular forces, and molecular geometry. There will be a summer assignment addressing many of these topics. Other topics will be addressed during the course itself, but at a faster pace than their initial introduction in Chemistry I.

Because AP Chemistry is a mathematics-based science course, students must have a strong background in Algebra I and Algebra II, and a sound understanding of problem-solving. They must be able to solve multistep arithmetic problems that involve planning or converting units of measures, to manipulate algebraic expressions and equations by substituting values for unknown quantities, to solve quadratic equations, and exhibit knowledge of logarithms.

The following courses do not fulfill the science graduation requirements but may be options for elective credits for students with interest and skills in science.

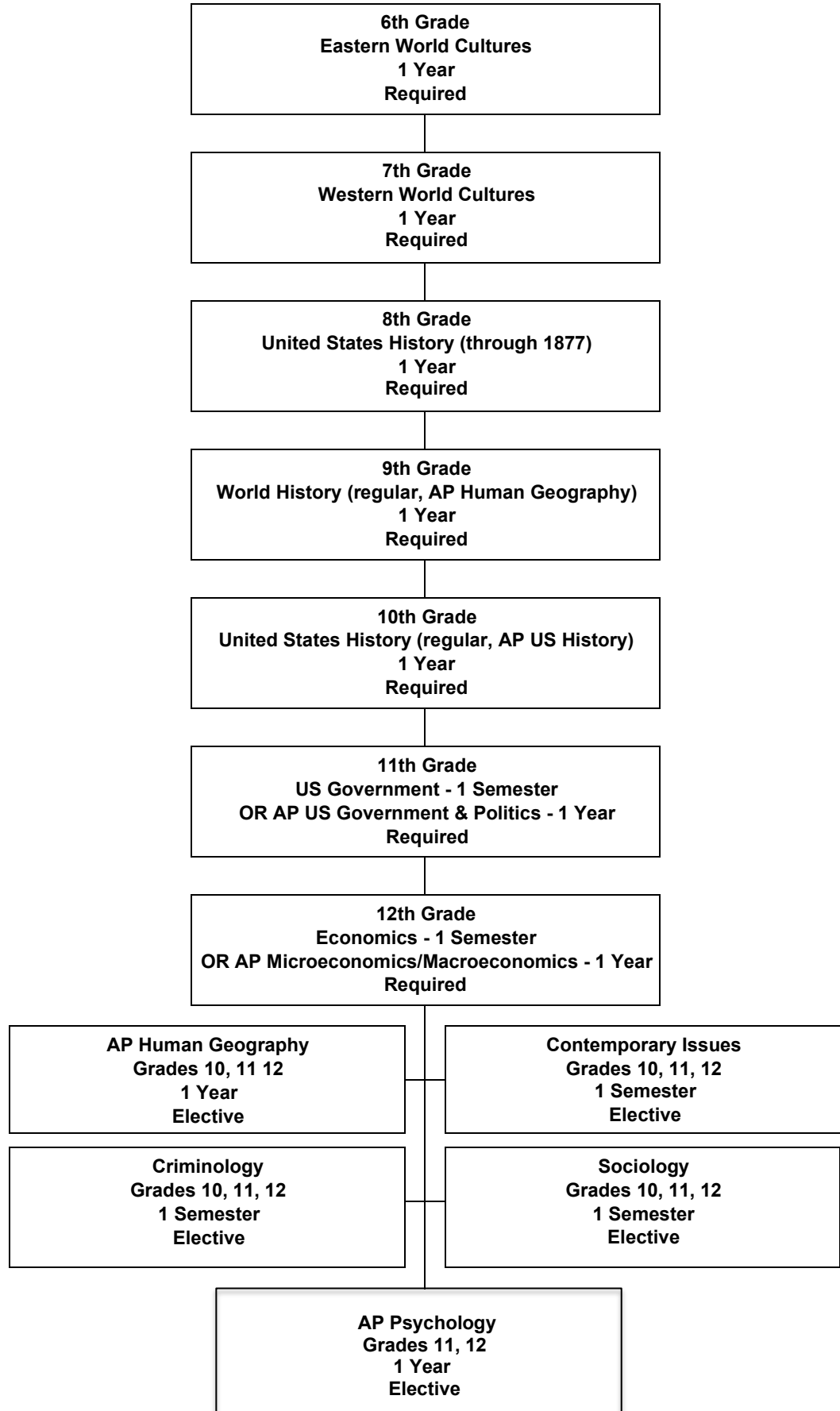
Online Opportunities - *see Online Opportunities section on page 36 for course descriptions.*

- Forensic Science I
- Veterinary Science

Project Lead The Way (PLTW) Classes - *(See course descriptions in the Technology Education and Engineering Section on page 106.)*

- H Civil Engineering & Architecture PLTW
- H Bioengineering Environmental Sustainability PLTW
- H Introduction to Engineering Design PLTW

Menomonee Falls School District 2024-2025 Social Studies Curriculum Grades 6-12



Social Studies

Mission Statement:

The mission of the social studies department is to produce students who exhibit historical literacy and have the skills necessary to make informed decisions.

Course Title	Course Number	Length	Year Taken
World History (regular)	SS368/SS369	Year	9
H AP [®] Human Geography	SS700/SS701	Year	9
United States History (regular)	SS321/SS322	Year	10
H AP [®] United States History	SS295/SS296	Year	10
US Government	SS142	Semester	11
H AP [®] United States Government and Politics	SS151/ SS152	Year	11
Economics	SS122	Semester	12
H AP [®] Microeconomics/Macroeconomics	SS105/ SS106	Year	12
H AP [®] Human Geography Elective	SS700/SS701	Year	10-12
Contemporary Issues	SS225	Semester	10-12
Sociology	SS260	Semester	10-12
H AP [®] Psychology	SS228/ SS229	Year	11-12
Criminology	SS502	Semester	10-12

WORLD HISTORY

One Year Course

Grade 9

Prerequisite: None

Course Number:

Semester 1: SS368

Semester 2: SS369

World History is a survey course covering geography and world history from the 14th century to modern times, both western and non-western worlds. Topics include: the five themes of geography, world religions, the Renaissance and the era of exploration and discovery; the growth of democracy and nationalism; the Industrial Revolution; the two world wars; the Cold War; and the modern era. The development and influence of various religions, philosophies, and political, social and economic systems are also examined in context.

H AP[®] HUMAN GEOGRAPHY

One Year Course

Grade 9

Recommendation-Map reading score of 230

Course Number:

Semester 1: SS700

Semester 2: SS701

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Upon successful completion of the course, students will be able to: Interpret maps and analyze geospatial data; understand and explain the implications of associations and networks among phenomena in places; recognize and interpret the relationships among patterns and processes at different scales of analysis; Define regions and evaluate the regionalization process; and characterize and analyze changing interconnections among places.

UNITED STATES HISTORY

One year Course

Grade 10

Prerequisite: None

Course Number:

Semester 1: SS321

Semester 2: SS322

This course is intended to provide the student with an awareness of the diverse heritage of American society and to identify the place and role of the United States in the modern world. The course will trace developments in U.S. History from late 1800's American Imperialism through present day. Students will be expected to develop skills in critical thinking, writing and disciplinary literacy. Students will evaluate how historical events and developments were shaped by unique circumstances of time, place and broader historical context. In addition, students will present arguments and explanations that include various emotional ideas and perspectives on issues or topics that can reach a range of audiences.

H AP® UNITED STATES HISTORY

One year Course

Grade 10

Recommendation-STAR reading score of 1100

Course Number:

Semester 1: SS295

Semester 2: SS296

This course is a year-long study for students who wish to prepare to take the Advanced Placement examination in United States History. Those students who successfully complete the examination will be eligible to receive college credit in history. The course is reserved for juniors and seniors who have demonstrated strong writing and analytical skills in their U.S. History class, World History classes and English classes.

Major themes of the course are determined by the College Board in order to ensure that students are exposed to the material necessary for satisfactory performance on the AP exam. The themes covered will range from Colonialism through the age of Conservatism. Students will be interpreting cause and effect of significant historical events, analyzing concepts such as democracy, freedom and equality, recognizing how geographic factors have influenced U.S. history, and examining terminology, individuals and occurrences paramount to understanding our nation's creation and development.

US GOVERNMENT

One Semester Course

Grade 11

Prerequisite: None

Course Number: SS142

The state mandated Civics Test will be administered in this class.

This course examines contemporary issues and problems facing American government. Both the structure and the current operation of the institutions of government will be studied. Topics to be discussed include constitutional principles, the electoral process and voting, courts and law, the role of the presidency, Congress, First Amendment rights, and other civil rights and liberties. Students will be expected to use critical thinking skills to analyze and evaluate current issues and policies.

H AP® UNITED STATES GOVERNMENT AND POLITICS

One Year Course

Grade 11**Recommendation-STAR reading score of 1100**

Course Number:

Semester 1: SS151

Semester 2: SS152

The state mandated Civics Test will be administered in this class.

This year-long course will fulfill the US Government requirement for graduation. It is a year-long study for students who wish to prepare to take the Advanced Placement examination in United States Government and Politics in May. Those students who successfully complete the exam will be eligible to receive college credit in Political Science.

The major themes of the course are determined by the College Board in order to ensure that students cover the material necessary for satisfactory performance on the AP exam. This course will give the students an analytical perspective on government and politics in the United States. It includes both the studies of general concepts used to interpret U.S. politics and the analysis of specific examples. Areas of concentration include the Constitution, political beliefs and behaviors, political parties, interest groups and mass media, institutions of the National Government, public policy, civil rights and civil liberties.

ECONOMICS

One Semester Course

Grade 12**No Prerequisite**

Course Number: SS122

Economics is a discipline that is deeply intertwined in our everyday lives. Every decision that we make as individuals and as nations is an economic decision. The study of economics not only provides students with a rich framework for understanding many complex institutions that impact our lives, but it also promotes the development of critical thinking skills. In order for students to successfully participate in an increasingly complex and globally interconnected world it is critical that students acquire a basic level of economic literacy along with analytical and conceptual skills that enable students to interpret complex events, interactions and sets of data. The primary goals of this course are to foster basic economic literacy and economic thinking skills that will enable students to think critically and to make better informed personal and public decisions.

H AP® MICROECONOMICS/MACROECONOMICS-

One Year Course

Grade 12**Recommendation-STAR reading score of 1100**

Course Number:

Semester 1: SS105

Semester 2: SS106

This year-long course will fulfill the Economics requirement for graduation.

A.P. Economics is a college level, full year course designed to provide students with a thorough understanding of the principles of economics. A.P. Economics will emphasize the study of national income, economic performance measures, economic growth and international economics. The aim of A.P. Economics is to provide the student with a learning experience equivalent to that obtained in a typical college introduction level economics course. Students will learn to think like economists – to question, to evaluate marginal costs and marginal benefits, to explore the many ways that one action will cause secondary actions.

The course will be split into 2 areas of focus in order to best prepare students for the AP Micro and Macro exams in May.

H AP®
MICROECONOMICS/MACROECONOMICS
(continue)

Macroeconomics

AP Macroeconomics is a course designed to provide students with a thorough understanding of the principles of economics in examining aggregate economic behavior. Students taking the course can expect to learn how the measures of economic performance, such as GDP, inflation and unemployment, are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. Students will also learn the basic analytical tools of macroeconomics, primarily the aggregate demand and aggregate supply model and its application in the analysis and determination of national income, as well as evaluating the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Recognizing the global nature of economics, students will also have ample opportunities to examine the impact of international trade and international finance on national economies. Various economic schools of thought are introduced as solutions to economic problems are considered.

Microeconomics

Advanced Placement Microeconomics is a course designed to provide students with a thorough understanding of the principles of economics as they apply to individual decision-making units, including individual households and firms. Students taking the course will spend time examining the theory of consumer behavior, the theory of the firm, and the behavior of profit-maximizing firms under various market structures. They will evaluate the efficiency of the outcomes with respect to price, output, consumer surplus, and producer surplus. Student will have an opportunity to examine the behaviors of households and businesses in factor markets, and learn how the determination of factor prices, wages, interest, and rent influence the distribution of income in a market economy. Students will also consider instances in which private markets may fail to allocate resources efficiently and examine various public policy alternatives aimed at improving the efficiency of private markets.

SOCIAL STUDIES ELECTIVES

H AP® HUMAN GEOGRAPHY

One Year Course

Grade 10-12**Recommendation-STAR reading score of 1100**

Course Number:

Semester 1: SS700

Semester 2: SS701

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Upon successful completion of the course, students will be able to: Interpret maps and analyze geospatial data; understand and explain the implications of associations and networks among phenomena in places; recognize and interpret the relationships among patterns and processes at different scales of analysis; Define regions and evaluate the regionalization process; and characterize and analyze changing interconnections among places.

CONTEMPORARY ISSUES

One Semester Course

Grades 10-12**Prerequisite: None**

Course Number: SS225

Contemporary Issues is a project-based elective designed to investigate events in the world and analyze the ways they impact our lives. It is a survey of current, local, national and international events. Topics will be chosen by the teacher as well as the students and explored through discussion, cooperative learning, multi-media presentations, internet research, debates and student/teacher presentations.

SOCIOLOGY

One Semester Course

Grades 10-12**Prerequisite: None**

Course Number: SS260

Sociology is a one semester course intended to give you a broad picture of the field of Sociology. It is a science focused on the study of human society and social behavior. Sociologists concentrate their attention on social interaction & the ways in which people relate to one another and influence each other's behavior. The study of Sociology provides you with the tools to develop a sociological imagination (the ability to see the connection between the larger social world and our personal lives). Units include culture, social groups & institutions, socialization, deviance and social control, and the inequalities of social class and race. Most course work is project-based. Discussion and free expression of opinions are important aspects in this elective.

H AP® PSYCHOLOGY

One Year Course

Grades 11-12

Recommendation-STAR reading score of 1100

Course Number:

Semester 1: SS228

Semester 2: SS229

AP Psychology is a yearlong introductory psychology course. It is designed for students who wish to experience a university-level psychology course and prepare for the AP exam in May. This course is taught at a college level and student study habits should reflect that fact. Topics covered include: History, Approaches, Research Methods, Sensation and Perceptions, States of Consciousness, Learning, Cognition and Memory, Motivation and Emotion, Developmental Psychology, Personality, Psychological Disorders and Treatment, and Social Psychology.

CRIMINOLOGY

One Semester Course

Grades 10-12

Prerequisite: None

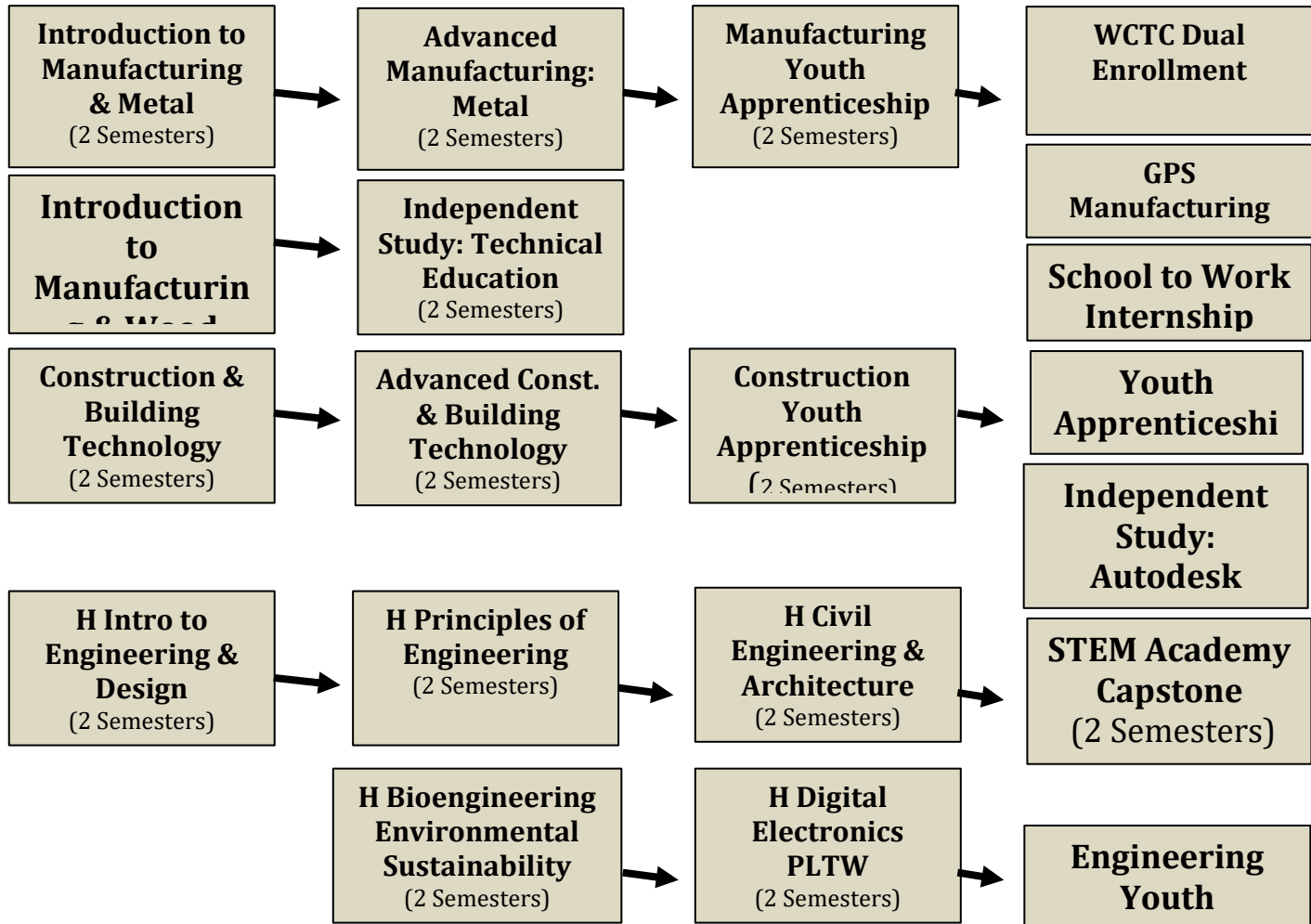
Course Number: SS502

Criminology is a project-based elective course designed to provide students the opportunity to understand and analyze the structure of the criminal justice system in America. Students will use historical and inquiry-based approaches to understand the basic structures within the criminal justice system as well as the functions of the policing system and the criminal court structure. Students will analyze and evaluate issues (socioeconomic status, age, gender, race, funding etc.) within the system and propose possible solutions. Students will develop their knowledge and skills of argumentation through repeated practice of structured discussions and academic writing.

Menomonee Falls High School

Technology & Engineering Course Flowchart for 2024-2025 School Year

**APPLIED
TECHNOLOGY**



Technology Education & Engineering

Mission Statement:

The Mission of the MFHS Technology Education & Engineering Department is to explore and develop technical literacy, content specific knowledge and application (S.T.E.M.), critical thinking and problem-solving skills, career pathways, and the methods necessary to become successful life-long learners and users of modern technology in their future endeavors.

APPLIED TECHNOLOGY

Course Title	Course Number	Length	Year Taken
Introduction to Manufacturing & Metal	TE478/ TE479	Year	9-12
Introduction to Manufacturing & Wood	TE482/ TE483	Year	9-12
Advanced Manufacturing: Metals	TE461/ TE462	Year	10-12
Construction & Building Technology	TE216/TE217	Year	9-12
Advanced Construction & Building Technology	TE218/TE219	Year	10-12
Independent Study: Autodesk Inventor	TE382	Semester	10-12
Independent Study: Technical Education	TE380/TE381	Year	10-12
Manufacturing/Construction/Engineering Youth Apprenticeship	See page 20		
WCTC Dual Enrollment	See page 19		
GPS Manufacturing	See page 19		
Internship	See page 23	Year	12
YA – Youth Apprenticeship	See page 20	Year	12

ENGINEERING: PROJECT LEAD THE WAY (PLTW)

Course Title	Course Number	Length	Year Taken
H Introduction to Engineering Design PLTW	TE442/ TE443	Year	9-12
H Principles of Engineering PLTW *	TE444/TE445	Year	10-12
H Civil Engineering & Architecture PLTW	TE256/TE257	Year	10-12
H Digital Electronics PLTW**	TE456/TE457	Year	10-12
H Bioengineering Environmental Sustainability PLTW	TE602/TE603	Year	10-12
STEM Academy Capstone	TE268/TE269	Year	12
Engineering Youth Apprenticeship	See page 20	Year	12

*By request, this course may be used to complete credits toward the Science Graduation Requirement.

**By request, this course may be used to complete credits toward the Math Graduation Requirement.

All Technology Education & Engineering courses require a class fee payable at registration or at the front office.

APPLIED TECHNOLOGY

INTRODUCTION TO MANUFACTURING & METAL

One year Course

Grades 9-12

Prerequisite: None

Course Number:

Semester 1: TE478

Semester 2: TE479

This course introduces students to Manufacturing focusing on the design and the processes necessary to manipulate metal into a finished product. As a class we will visit local manufacturers and technical colleges to gain insight on real world experiences.

In the classroom students will learn lab and tool safety, precision measuring tools, machine tool identification and operation, applied technical math, writing, and drawings, employability skills, resume & portfolio building, and careers and education choices in this pathway.

In the Lab students will learn how to work individually and in small diverse teams, safely operate machines and tools that cut, separate, bend, weld & fasten, use AutoCAD / Inventor software to design products, layout parts according to technical drawings, incorporate lean manufacturing into their design & production plan, measure with precision instruments and manage quality control, use precision machine tools including computer numerical control machines to produce projects.

INTRODUCTION TO MANUFACTURING & WOOD

One year Course

Grades 9-12

Prerequisite: None

Course Number:

Semester 1: TE482

Semester 2: TE483

This course introduces students to Manufacturing focusing on the design and the processes necessary to manipulate wood into a finished product. As a class we will visit local manufacturers and technical colleges to gain insight on real world experiences.

In the classroom students will learn lab and tool safety, precision measuring tools, machine tool identification and operation, applied technical math, writing, and drawings, employability skills, resume & portfolio building, and careers and education choices in this pathway.

In the Lab students will learn how to work individually and in small diverse teams, safely operate machines and tools that cut, separate, & fasten, use AutoCAD / Inventor software to design products, layout parts according to technical drawings, incorporate lean manufacturing into their design and production plan, measure with precision instruments and manage quality control, use precision machine tools including computer numerical control machines to produce projects.

ADVANCED MANUFACTURING & METALS

One Year Course

Grades 10-12

Prerequisite: Intro to Manufacturing & Metal

Course Number:

Semester 1: TE461

Semester 2: TE462

This class is a continuation of Intro to Manufacturing & Metal. Students will work in small groups to design and fabricate a large project such as (but not limited to) a mini chopper or go kart. Smaller individual projects are also a possibility.

The areas of instruction and equipment students will use include: precision measuring instruments, lathes, milling machines, saws, grinders, shears, jigs, fixtures, welding equipment, computer-aided plasma cutting, & 3D printer.

CONSTRUCTION & BUILDING TECHNOLOGY

One Year Course

Grades 9-12

Prerequisite: None

Course Number:

Semester 1: TE216

Semester 2: TE217

This course introduces students to the construction industry and the skilled trades with project books directly from the United Brotherhood of Carpenters. The projects that students complete require them to use each machine in the lab building their skill level, confidence, and overall knowledge of the machine and its capabilities. Students will learn about Lab and power tool safety as it relates to a jobsite. As the year progresses each student will learn more advanced processes and machine set-ups. Projects will be done step by step as a class as we learn how to read detailed technical drawings, measure, and properly use layout tools. Throughout the school year there will be various guest speakers / local contractors that will speak to the class about their profession and how to enter into the specific trade after high school.

ADVANCED CONSTRUCTION & BUILDING TECHNOLOGY

One Year Course

Grades 10-12

Prerequisite: Construction & Building Technology

Course Number:

Semester 1: TE218

Semester 2: TE219

This course is a continuation of Construction & Building Technology. We will be focusing on residential and commercial carpentry practices. With the successful completion of this course, the student will earn an industry recognized certificate from the United Brotherhood of Carpenters. Students interested in an adult apprenticeship in the carpentry and building construction trades after high school will be able to use this certificate to bypass the pre-apprenticeship process and start as a first year apprentice. Projects include floor framing, wall framing, roof framing, hanging doors and windows, stair framing, and finish carpentry. The students will build a shed or playhouse for their final project.

INDEPENDENT STUDY: AUTODESK INVENTOR

Semester Course

Grades 10-12**No Prerequisite**

Course Number: TE382

This course will teach students the fundamental skills necessary to pass the Autodesk® Inventor® Certified User exam – which will be given at the end of the semester to earn an Industry level Certification.

Students interested in Manufacturing and / or Engineering career pathways are encouraged to take this semester long course. Students with little or no experience are able to learn the basics – while students with more exposure to Autodesk Inventor will be able to work their way through the course and develop advanced skills.

All students will learn various topics of the Autodesk® Inventor® software including: Navigating the user interface and managing files • Creating, modifying, formatting, and sharing 2D sketches • Creating parts • Creating, viewing, and animating assemblies • Creating presentations and drawings.

INDEPENDENT STUDY: TECHNICAL EDUCATION

One Semester Course

Grade 10-12**Prerequisite: Must have Department****Approval form turned in before registering.**

Course Number:

Semester 1: TE380

Semester 2: TE381

Students wishing to register for independent credit in any area of study must:

1. Have completed all regular department courses in that area of study;
2. Submit a written request to the department to be signed by the instructor; and
3. Write a statement outlining personal achievement goals for the semester.

ENGINEERING: PROJECT LEAD THE WAY (PLTW)

H INTRODUCTION TO ENGINEERING DESIGN PLTW

One year Course

Grades 9-12

Recommendation: Grade of B or higher in previous Math course

Course Number:

Semester 1: TE442

Semester 2: TE443



This course emphasizes the development of a design. Students use computer software to produce, analyze and evaluate models of project solutions. They study the design concepts of form and function, and then use state-of-the-art technology to translate conceptual design into reproducible products. This course teaches students to:

- Understand and apply the design process to solve various problems in a team setting;
- Apply adaptive design concepts in developing sketches, features, parts and assemblies;
- Interpret their own sketches in using computer software to design models;
- Understand mass property calculations-such as volume, density, mass, surface area, principal axes and principal moments-and how they are used to evaluate a parametric model;
- Understand cost analysis, quality control, staffing needs, packing and product marketing;
- Explore career opportunities in design engineering and understand what skills and education these jobs really require; and
- Develop portfolios to display their designs and present them properly to peers, instructors and professionals

H PRINCIPLES OF ENGINEERING PLTW

One year Course

Grades 10-12

Prerequisite: None

***** H Introduction to Engineering Design is recommended***

Course Number:

Semester 1:TE444

Semester 2:TE445



This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems. Through theory and practical hands-on experiences, students address the emerging social and political consequences of technological change. The course of study includes:

- Overview and Perspective of Engineering. Students learn about the types of engineers and their contributions to society.
- Design Process. Students learn about problem solving and how products are developed to include how engineers work in teams.
- Communication and Documentation. Students collect and categorize data, produce graphic representations, keep an engineer's notebook and make written and oral presentations.
- Engineering Systems. Students learn about mechanical, electrical, fluid, pneumatic and control

H PRINCIPLES OF ENGINEERING (continue)

systems. Students learn about measurement, scalars and vectors, equilibrium, structural analysis, and strength of materials.

- Materials and Materials Testing. Students learn the categories and properties of materials, how materials are shaped and joined, and material testing.
- Thermodynamics. Students will learn about units and forms of energy, energy conversion, cycles, efficiency and energy loss, and conservation techniques.
- Engineering for Quality and Reliability. Students will use precision measurement tools to gather and apply statistics for quality and process control. Students will also learn about reliability, redundancy, risk analysis, factors of safety, and liability and ethics.
- Dynamics. Students will be introduced to linear and trajectory motion.

By request, this course is eligible to fulfill 2 credits of the Science Graduation Requirement. Please see your counselor for complete information.

H CIVIL ENGINEERING & ARCHITECTURE

One Year Course

Grades 10-12

Prerequisite: None

****H Principles of Engineering is recommended**

Course Number:

Semester 1: TE256

Semester 2: TE257



The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or to students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. Students will test soil samples for load bearing capabilities and learn how to survey a building site; calculating elevations and transferring that information into their final building design. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.

H DIGITAL ELECTRONICS PLTW

One Year Course

Grades 10-12

Prerequisite: None

****H Principles of Engineering is recommended**

Course Number:

Semester 1: TE456

Semester 2: TE457

This course in applied logic encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Students will learn basic electronic theories, digital gate theories, and apply those theories through hands-on activities **Good math skills will enhance success.**

By request, this course is eligible to fulfill 2 credits of the Math Graduation Requirement. Please see your counselor for complete information.



H BIOENGINEERING ENVIRONMENTAL SUSTAINABILITY PLTW

One Year Course

Grades 10-12

Prerequisite: None

****H Principles of Engineering is recommended**

Course Number:

Semester 1: TE602

Semester 2: TE603

In Bioengineering Environmental Sustainability, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.



STEM ACADEMY CAPSTONE

One Year Course

Grade 12

Prerequisite: Successful completion of 2 different STEM Academy courses.

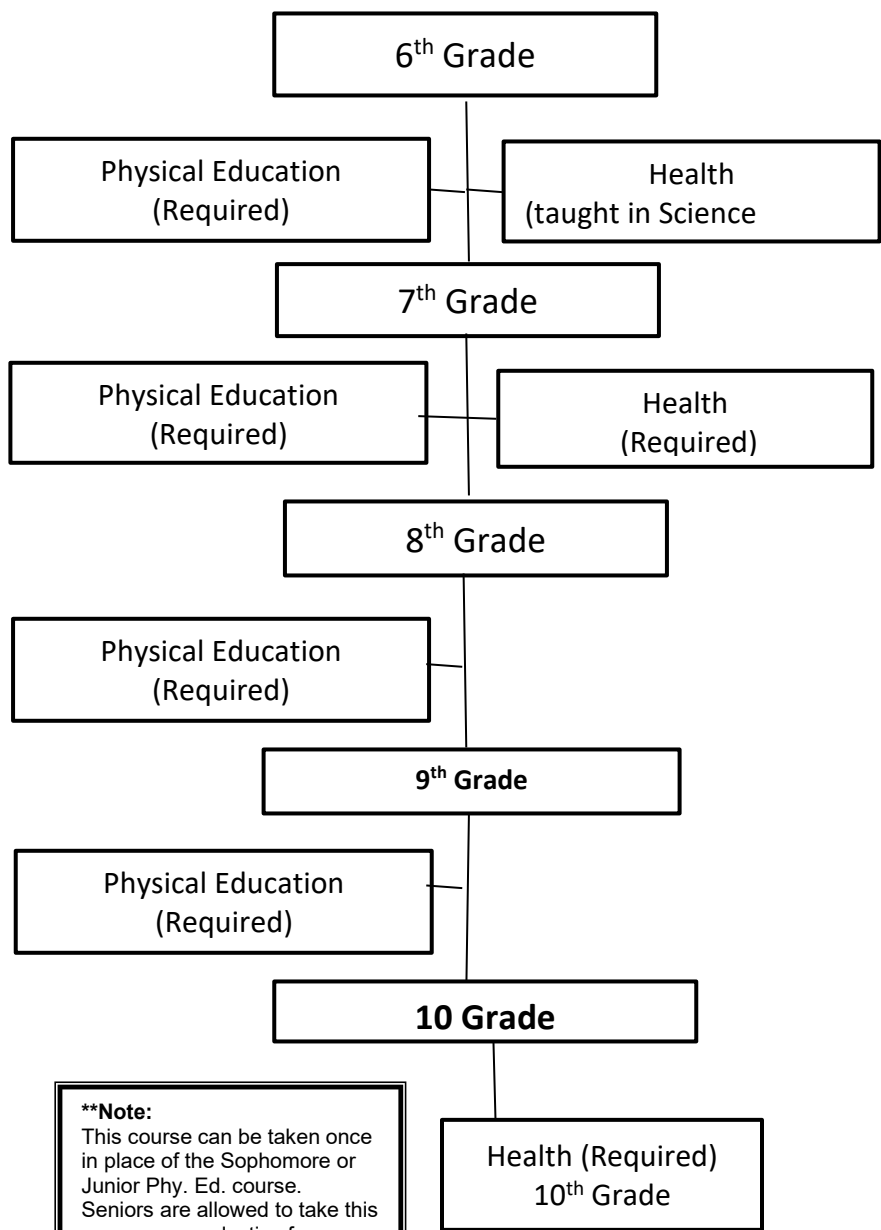
Course Number:

Semester 1: TE268

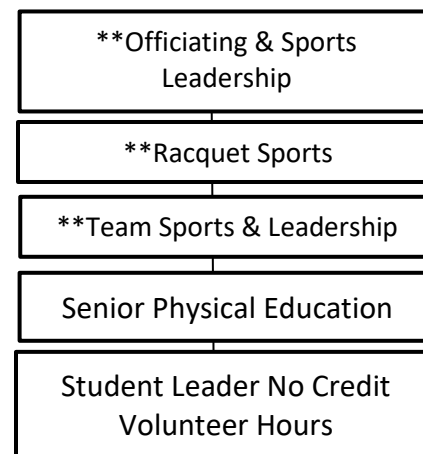
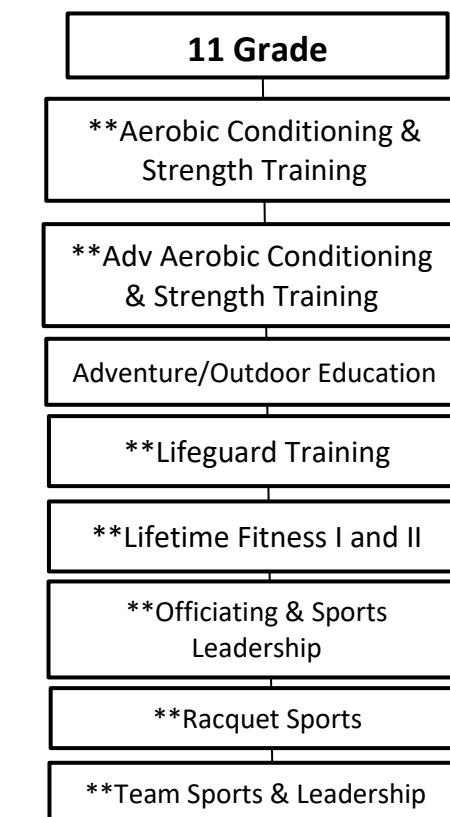
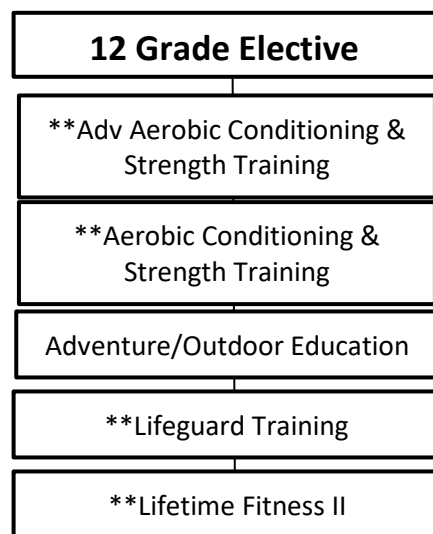
Semester 2: TE269

STEM Academy Capstone gives students the opportunity to work in teams to solve problems of their own choosing. Teams employ all the skills and knowledge gained through previous coursework to brainstorm, research, construct and test a model in real-life situations (or simulations); document their designs; and present and defend the designs to a panel of experts.

Menomonee Falls School District
Physical Education & Health Curriculum 6-12



****Note:**
 This course can be taken once in place of the Sophomore or Junior Phy. Ed. course. Seniors are allowed to take this course as an elective for a semester.



Wellness Education

Mission Statement:

Wellness Education - Our programs are designed to promote and enhance students' attitudes, habits, and skills so that they can make educated, health-conscious decisions throughout life.

Course Title	Course Number	Length	Year Taken
Foundations of Fitness-PE 9	PE200	Semester	9
21 st Century Wellness	PE105	Semester	10
21 st Century Wellness Zero Hour	PE04Z	Semester	10
Aerobic Conditioning & Strength Training	PE280	Semester	10-12
Lifeguard Training	PE130	Semester	10-12
Lifetime Fitness I	PE201	Semester	10-12
Lifetime Fitness II	PE203	Semester	11-12
Officiating & Sports Leadership	PE231	Semester	10-12
Racquet Sports	PE240	Semester	10-12
Team Sports & Leadership	PE214	Semester	10-12
Advanced Aerobic Conditioning & Strength Training	PE283	Semester	11-12
Adventure/Outdoor Education	PE221	Semester	11-12
PE 12	PE230	Semester	12
Student Leader Program		Semester	12

21st Century Wellness Education

21st Century Wellness is a required semester long course. This course provides students the opportunity to develop and refine effective communication, critical thinking and problem-solving skills while applying principles of creative thinking along with models of decision making and goal setting in a wellness promotion context. Students will access, analyze and apply wellness information to improve and/or maintain one's overall wellness while striving to achieve an optimal level of wellness and a high quality of life. State law requires students to have knowledge/lessons on shaken baby/abusive head trauma prevention, human growth and development, and suicide prevention.

21ST CENTURY WELLNESS

One Semester Course

Grade 10

Prerequisite: None

Course Number: PE105

*Zero Hour Course Number: PE04Z

How will the choices that you make today impact your future health and wellness? This course uses a wellness approach stressing prevention and self-responsibility through informed choices.

***THIS COURSE OFFERED ZERO HOUR**

DEPENDING ON ENROLLMENT

7:00 AM-7:45 AM (ZERO HOUR)

Meets Everyday

Wellness Education

The wellness education program is designed to enhance lifelong fitness. A variety of activities are offered to enrich individual health, wellness and cooperative skills. ***The state requires three credits for graduation. The three credits must be earned from three different wellness education courses. 21st Century Wellness is a separate graduation requirement.***

FOUNDATIONS OF FITNESS-PE 9

One Semester Course

Grade 9

Prerequisite: None

Course Number: PE200

Concepts and skills such as strength development, flexibility, agility, and cardiovascular endurance will be the focus of this course. Students will engage in activities that reinforce basic fitness concepts, health and wellness related skills and goal setting.

AEROBIC CONDITIONING & STRENGTH TRAINING

One Semester Course

Grades 10-12

Prerequisite: Successful Completion of PE 9

Course Number: PE280

This class will focus on the importance and value of exercise. Cardiovascular fitness, strength development, muscular endurance, speed development, core strength and flexibility will be promoted through the use of all physical education facilities and equipment. Other areas that will be covered: strength training program design, proper “spotting” techniques and weight room safety.

LIFEGUARD TRAINING

One Semester Course

Grades 10-12

Prerequisite: Successful completion of PE 9, Age of 15 prior to final course session, & successful completion of swim entrance exam prior to course sign up.

Course Number: PE130

The purpose of this course is to teach the skills and knowledge needed to prevent and respond to aquatic emergencies. It also prepares participants for possible employment as lifeguards. First Aid, CPR for the Professional Rescuer, Automated External Defibrillation and Professional Lifeguarding certification can be acquired.

Students are required to purchase a whistle, resuscitation mask, course book and certification card. The mask, whistle and book will cost \$63 and will be purchased in the school store. The certification card is paid online and the cost is \$46. The certification card only needs to be purchased after successful completion of the course at the end of the semester. This course is a Red Cross Lifeguarding Certification Course.

Tests Includes:

- 300 Yard Swim of freestyle or breaststroke not timed but must be continuous
- 2-minute tread water in the deep end without using hands
- Swim 20 yards, pick up a 10 lbs. brick from bottom of 12 feet deep end. Kick on your back, back to starting stop while holding onto brick with both hands in under 1 minute 30 seconds.

LIFETIME FITNESS I

One Semester Course

Grades 10-12

Prerequisite: Successful Completion of PE 9

Course Number: PE201

This course will expose students to a variety of lifetime activities. The course will provide experiences in Yoga, Pilates, dance and a wide variety of fitness activities. Core development activities will be introduced.

LIFETIME FITNESS II

One semester course

Grades 11-12

Prerequisite: Successful Completion of PE 9 and Lifetime Fitness I

Course Number: PE203

The purpose of this course is to help students of all fitness levels develop knowledge and skills related to fitness, nutrition, and stress management. As learners, the students will be challenged to identify what fitness strategies and activities will work best for their individual lifestyle and fitness goals. Varied physical activity media/technology will be introduced to give the student practical experiences with the ultimate goal of self-directed lifetime wellness.

OFFICIATING & SPORTS LEADERSHIP

One semester course

Grades 10-12

Prerequisite: Successful Completion of PE 9

Course Number: PE131

This course is designed to prepare students to officiate up to a 9th-grade level. It will also provide students the opportunity to volunteer in the community or seek paying jobs in multiple sports. Students will become a licensed referee through the WIAA (Wisconsin Interscholastic Athletic Association) with a waived fee and a passing score on the officiating exam for volleyball and one additional sport of their choosing. This class is based strongly on students' involvement, but will also include informational discussions, guest speakers, video training, and live practice opportunities partnered with other physical education classes for actual officiating experience. Additionally, this class will touch on topics pertaining to leadership within sports and again will utilize guest speakers and discussions. This section of the class will focus on what it means to be a leader as well as the qualities/characteristics of a leader.

RACQUET SPORTS

One Semester Course

Grade 10-12

Prerequisite: Successful Completion of PE 9

Course Number: PE240

This course will consist of Tennis, Pickle Ball, Badminton and Eclipse Ball. Due to limited facilities, other hand implemented activities or net games may be included. Course content will emphasize competitive game experience in each sport; competition would involve both singles and doubles play.

TEAM SPORTS & LEADERSHIP

One Semester Course

Grades 10-12***Prerequisite: Successful Completion of PE 9***

Course Number: PE214

This course will include a variety of team activities such as: soccer, softball, kickball, ultimate football, tennis, volleyball, basketball, water games and pickle ball. The course will introduce the 7 habits of Highly Effective Teens.

The Advanced Aerobic Conditioning & Strength Training and Adventure/Outdoor Education courses are offered to Juniors and Seniors Only.

ADVANCED AEROBIC CONDITIONING & STRENGTH TRAINING

One Semester Course

Grades 11-12***Prerequisite: Successful Completion of PE 9 and Aerobic Conditioning & Strength Training***

Course Number: PE280

The purpose of this course is to continue student focus on strength and conditioning after completing the first Aerobic Conditioning and Strength Training class. This is a project based course, requiring students to develop a full semester workout plan based on their needs or the needs of others. It will engage students interested in physical rehabilitation, physical education, strength & conditioning and personal training. Students will complete a project related to college & career research.

ADVENTURE/OUTDOOR EDUCATION

One semester course

Grades 11-12***Prerequisite: Successful Completion of PE 9***

Course Number: PE221

This course will provide experiences in: team building activities, adventure fitness, trip planning, archery, hiking, SCUBA, and other various outdoor adventure activities and games. There is a fee of \$50.00 to cover the cost of the SCUBA.

PE12

One Semester Course

Grade 12***Prerequisite Successful Completion of PE 9***

Course Number: PE230

A variety of team and individual sports will be offered during this semester course. Students will lead peers with teacher assistance in designing game rules, regulations, and tournament schedule.

STUDENT LEADER PROGRAM (No Credit)

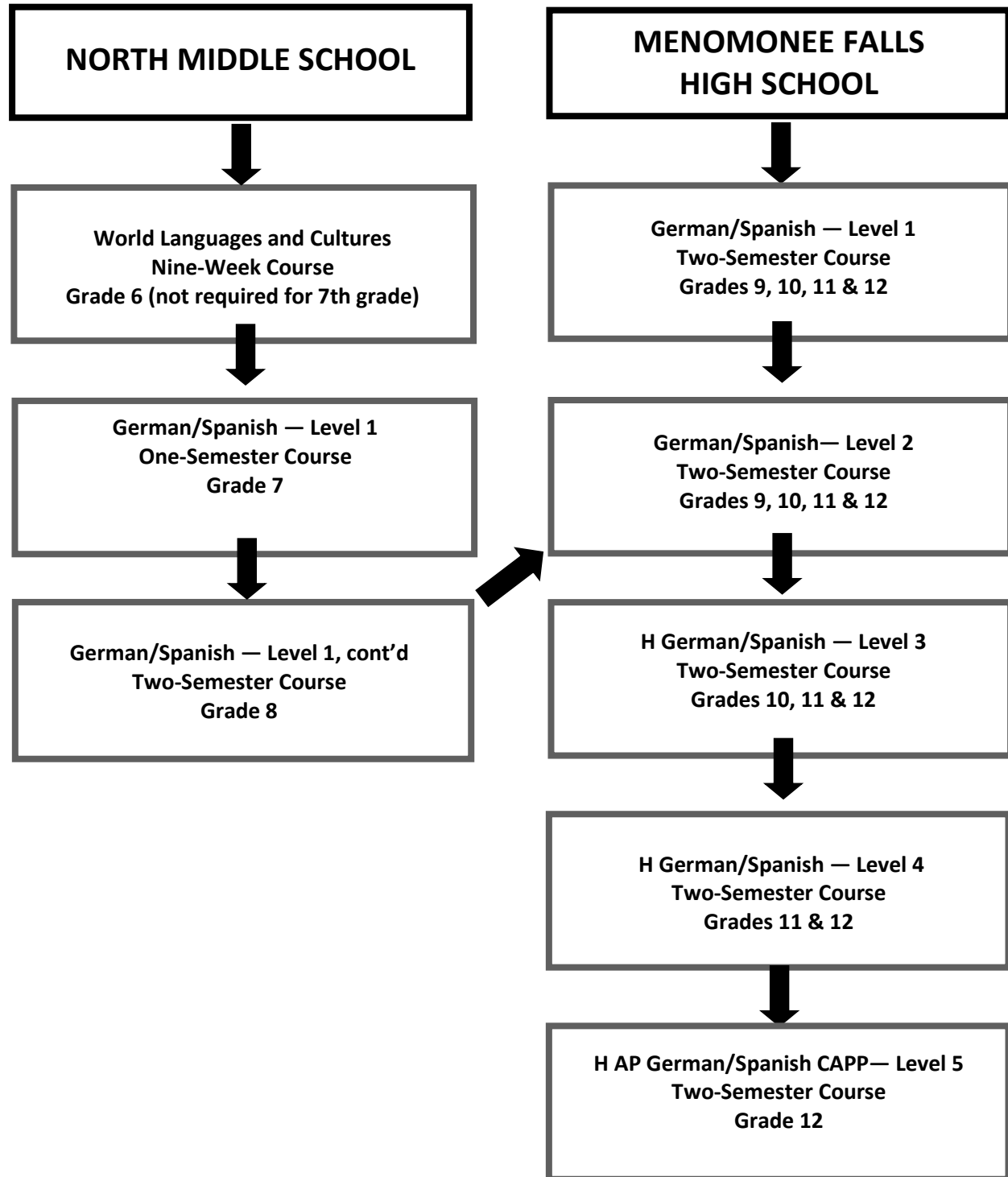
One Semester Course

Grade 12***Prerequisite: Department Approval***

This course is an opportunity to work with physical education teachers and classes in an educational setting. Students will be responsible for officiating, demonstrating and participating in unit activities. Other duties may involve clerical responsibilities and collection and distribution of equipment. Daily attendance is necessary for this program to be successful. Enrollment is limited and will depend on individual student schedule. **This course will not be a selection at the time of registration. Interested students must receive approval from the Department Chair.**

WORLD LANGUAGE DEPARTMENT

2024-2025 COURSES



World Language

Mission Statement:

The mission of the Menomonee Falls World Language Department is to prepare students linguistically and culturally to communicate successfully in a global community.

Course Title	Course Number	Length	Year Taken
Exploring World Cultures & Connections	WL401	Semester	10-12
German I	WL111/WL112	Year	9-12
German II	WL121/WL122	Year	9-12
H German III	WL141/WL142	Year	10-12
H German IV	WL151/WL152	Year	11-12
H AP [®] German V CAPP	WL173/WL174	Year	12
Spanish I	WL261/WL262	Year	9-12
Spanish II	WL281/WL282	Year	9-12
H Spanish III	WL301/WL302	Year	10-12
H Spanish IV	WL311/WL312	Year	11-12
H AP [®] Spanish V CAPP	WL335/WL336	Year	12
French I (Online)	WL510/WL511	Year	10-12
French II (Online)	WL514/WL515	Year	11-12
French III (Online)	WL516/WL517	Year	11-12
Japanese I (Online)	WL211/WL212	Year	11-12
Japanese II (Online)	WL221/WL222	Year	11-12

The **Global Scholars Program** and Transcript Endorsements shall be awarded to students who have demonstrated a dedication to global education by successfully fulfilling the recommended criteria outlined on page 30-31 of this course guide.

Exploring World Cultures & Connections

One Semester Course

Grades 10-12

Prerequisite: None

Course Number: WL401

Exploring World Cultures & Connections is an engaging, project-based course that allows students to explore the rich cultural diversity of our world's lands and peoples. Students will become familiar with the food, art, music, customs, etiquette, literature, history, and current events from different regions of the world. All interested Juniors and Seniors are welcome, especially those students who are seeking to complete their cultural requirements for the *Global Scholars Program (GSP)*.

GERMAN I

One Year Course

Grades 9-12

Prerequisite: None

Course Number:

Semester 1: WL111

Semester 2: WL112

In German I, students are introduced to the German language in real-life situations. Through a variety of fun and interesting activities, the students learn to speak, read, write and understand basic German. The German I course also covers many different aspects of German culture, such as sports, foods, family, weather, education, hobbies and free time.

GERMAN II

One Year Course

Grades 9-12

Prerequisite: successful completion of German I or 8th grade German

Course Number:

Semester 1: WL121

Semester 2: WL122

Students, in German II, expand their speaking, reading, listening and writing skills in German. They learn how to exchange personal information and express their attitudes, opinions and emotions. The course also expands upon many cultural aspects of Germany, such as weather, foods, homes, chores, holidays, clothing, body parts, cars, building, and animals.

H GERMAN III

One Year Course

Grades 10-12

Prerequisite: successful completion of German II

Course Number:

Semester 1: WL141

Semester 2: WL142

The German III course focuses on conversational German and the refinement of grammar skills. Students will expand and improve their speaking, reading, writing and listening abilities through dialogs, skits and short stories. German III classes also explore and expand many aspects of European and German culture, such as travel, weather, shopping, chores, animals and foods.

H GERMAN IV

One Year Course

Grades 11-12

Prerequisite: successful completion of German III

Course Number:

Semester 1: WL151

Semester 2: WL152

The German IV course covers a variety of German literature, including short stories and excerpts from contemporary German publications. The students will improve their communication skills through the study and discussion of different topics, such as, employment, health, holidays, communication, body parts, illnesses and the environment. Cultural projects in the class will increase the students' understanding of Germany and encourage them to learn more about German foods, people, customs and cities.

H AP[®] GERMAN V CAPP

One Year Course

Grade 12

Prerequisite: successful completion of German IV

Course Number:

Semester 1: WL173

Semester 2: WL174

German V is an AP course designed specifically to increase the students' oral and written proficiency in German. Students will prepare to take the AP test in May of their senior year. In addition, students will develop their interpretive, interpersonal and presentational skills in a variety of communicative activities, by reading and analyzing important literary works, and by reviewing the grammar concepts that are most essential for effective communication. Students will study fairy tales, music, the body and illnesses as well as read and discuss current issues in the German community. The students will be expected to communicate, listen, read and write daily in German.

This course may be taken strictly for high school credit or as part of the Cooperative Academic Partnership Program (CAPP) through the University of Wisconsin Oshkosh. Check with your counselor or a German teacher for more information regarding this exceptional opportunity! The Cooperative Academic Partnership Program (CAPP), run in conjunction with the University of Wisconsin Oshkosh, allows any eligible student the opportunity to obtain 5

H AP® GERMAN V CAPP (continue)

university credits and up to 14 retroactive credits toward his or her post-secondary education. Any student intending to take this course for CAPP credits must be in the top 25% of his/her class or have a 3.25 GPA to qualify.

SPANISH I

One Year Course

Grades 9-12

Prerequisite: None

Course Number:

Semester 1: WL261

Semester 2: WL262

In Spanish I, students will gain a formal introduction to basic Spanish. Students will learn to speak, read, write, and understand basic Spanish. Students will encounter an informal atmosphere of Spanish conversation involving dialogues, games, foods and hobbies. Additionally, students will learn about the various Spanish – speaking countries and their cultures.

SPANISH II

One Year Course

Grades 9-12

Prerequisite: successful completion of Spanish I or 8th grade Spanish

Course Number:

Semester 1: WL281

Semester 2: WL282

The student continues to develop speaking, writing, reading and listening abilities as well as knowledge of Hispanic cultures. The goal is to make the language learning realistic and functional as well as enjoyable while improving proficiency.

H SPANISH III

One Year Course

Grades 10-12

Prerequisite: successful completion of Spanish II

Course Number:

Semester 1: WL301

Semester 2: WL302

The current texts and supplementary materials provide experience in Spanish culture and language. Spanish III is designed to increase the language ability and cultural understanding of students who have studied the basic concepts in previous levels. Students will demonstrate their language proficiency through performance assessments that measure their ability to read, write, speak and listen in Spanish. Quick response, vocabulary expansion and more sophisticated structures will be emphasized.

H SPANISH IV

One Year Course

Grades 11-12

Prerequisite: successful completion of Spanish III

Course Number:

Semester 1: WL311

Semester 2: WL312

The goal in Spanish IV is greater proficiency in the areas of reading, writing and conversational skills in Spanish. A wide variety of materials from the target culture will be used to support and enhance structure and language use. Students experience multiple opportunities to demonstrate their proficiency in Spanish through different contexts of the Spanish speaking world. Aspects of contemporary Hispanic culture are emphasized through cultural readings, media, projects, and class discussions. Additionally, students at this level will begin to explore AP themes.

H AP® SPANISH V CAPP

One Year Course

Grade 12

Prerequisite: successful completion of Spanish IV

Course Number:

Semester 1: WL335

Semester 2: WL336

Spanish V is designed specifically to increase the students’ oral and written proficiency in the Spanish language. Students will develop the interpretive, interpersonal and presentational skills they need by participating in a variety of communication activities, by reading and analyzing important literary works from around the Spanish-speaking world, and by reviewing the grammar concepts that are most essential for effective communication. The students will be expected to communicate, listen, read and write daily in the target language.

Students who qualify may take this course for “CAPP” credit. The Cooperative Academic Partnership Program (CAPP), run in conjunction with the University of Wisconsin Oshkosh, allows any eligible student the opportunity to obtain 5 university credits and up to 16 retroactive credits toward his or her post-secondary education. Any student intending to take this course for CAPP credits must be in the top 25% of his/her class or have a 3.25 GPA to qualify.

The following courses may be options for elective credits for students with interest and skills in world language.

Online Opportunities - see *Online Opportunities* section on page 36 for course descriptions.

- French I
- Japanese I
- French II
- Japanese II
- H French III

OPTIONAL PROGRAMS

MID-TERM GRADUATION

Grade 12

School Counselor Approval

Course Number: XC180

Students who will complete their high school requirements a semester early, and want to graduate early, must select Mid-term Graduation when registering. School Counselor's approval is required. Check on total number of credits earned.

EARLY RELEASE

Grade 12

Associate Principal Approval

Course Numbers:

Early Release Hour 7

Semester 1: XC480

Semester 2: XC481

Seniors in good standing with written parental approval will be given permission to leave school after 5th or 6th hour. Students who elect this option cannot remain in the building during 7th or 8th hour.

Bussing will not be provided and you MUST leave the building at 1:36 pm and on Wednesday's at 12:30pm.

Early Release Hour 8

Semester 1: XC482

Semester 2: XC483

LATE START

Grade 12

Associate Principal Approval

Course Numbers:

Late Start Hour 1

Semester 1: XC484

Semester 2: XC485

Seniors in good standing with written parental approval will be given permission to begin school at Phoenix time. Students who elect this option cannot be in the building during 1st or 2nd hour.

Bussing will not be provided and you may NOT be allowed in the building until 9:17 am and on Wednesday's at 9:09 am.

Late Start Hour 2

Semester 1: XC486

Semester 2: XC487

PE Waiver

One Semester Course

Grades 11-12

Course Number:

Semester 1: PE900

Semester 2: PE901

Students involved in athletics have the option to waive 1 PE credit. This is a onetime option. You can request more information from the Athletic Office.

“ZERO HOUR” OPPORTUNITY

In an effort to better serve the students of Menomonee Falls High School and increase the number of choices they have at registration, and also to possibly reduce any potential scheduling conflicts, we are offering a “Zero Hour” in certain subject areas. “Zero Hour” refers to a class which is being offered before the beginning of the school day from 7:00 a.m.-7:45 a.m. ***Bus transportation will not be provided for Zero Hour classes.***

If there is enough interest, the following courses **could be** offered during a “Zero Hour” next school year.

Course Title	Course Number	Length	Year Taken
21 st Century Wellness Zero Hour	PE04Z	Semester	10
English 11 Zero Hour	EN01Z	Year	11
Chemistry I Zero Hour	SC01Z	Year	10-12
H AP Environmental Science Zero Hour	SC02Z/SC03Z	Year	10-12
H Personal Finance CAPP Zero Hour	BS04Z	Semester	11-12
Jazz Band Zero Hour	MU406/MU407	Year	9-12

****If you are interested in participating in any of these classes, please make sure you register for the appropriate “Zero Hour” class when you are entering your course selections.**

INDEPENDENT STUDY (IS)

INDEPENDENT STUDY

Grade 12

Prerequisite: Department Approval (See appropriate Department Chairperson for details)

Rationale: Students who possess the initiative and maturity to pursue independent study can submit a proposal to a teacher under whom the project is to be pursued. Proposal forms can be picked up in Student Services.

No student may register for Independent Study until they have completed the following:

- A. The Student Must:
 - 1. Have completed successfully all related courses in the field selected.
 - 2. Select a teacher to supervise the project.
 - 3. Submit in writing a proposal including the following:
 - a. Overview of project
 - b. Resources required
 - c. Procedure for monitoring and evaluating project

- B. The Teacher Will:
 - 1. Review the proposal. If the teacher chooses to supervise the project the teacher will:
 - a. Establish a progress calendar
 - b. Determine credit and grade points to be recommended for approval
 - 2. Submit the project to the department head who will approve or disapprove it for credit.

- C. The Department Chairperson will notify the appropriate counselor allowing the students to register for the Independent Study class.