

Monroe High School Curriculum Guide

2024 - 2025





Monroe High School

Steve Pollzzie – Principal
Monroe High School
901 Herr Road
Monroe, MI 48161
pollzzies@monroe.k12.mi.us

Dear MHS Community:

The Monroe High School comprehensive curriculum and Career and Technical course offerings, and our College Board Assessment Battery and Advance Placement course offerings, are second to none in our county. MHS course experiences include partnerships with ProMedica for our Health Science students, the Monroe County workforce for our co-op students, and our very own Early Middle College. Our College Board Battery includes academic monitoring using the PSAT (Preliminary Scholastic Assessment Test), as students work toward the SAT (Scholastic Assessment Test) for career and college readiness.

As described in the Curriculum Guide, college options for MHS students include Direct College, Dual Enrollment, Career and Technical Education, Monroe Public School's Early Middle College Program, and Advanced Placement course opportunities. Depending on a student's Educational Development Plan (EDP), we can partner with Monroe County Community College and other colleges in our area to enrich the high school experience with individualized Early College opportunities for all career pathways.

<http://www.monroe.k12.mi.us/MHS/2783-Cirriculum-Guides.html>

The following page has a sample EDP that students can follow all through MHS under the guidance of a student service staff member or Trojan Family Time mentor.

Social and emotional intelligence is as much a part of being a highly productive member of society as IQ. MHS extracurricular and club offerings are extensive. In addition, our Trojan Family Time curriculum is designed so students connect with a mentor and a grade-level cohort that they will remain with throughout high school. The TFT curriculum focuses on leadership attributes that encourage students to become independent learners while working together with a cohort. It is our hope that all students will develop their own unique leadership styles.

Please maximize all that MHS has to offer you.

Make It Happen!

Sincerely,
MHS Administrative Team



Name: _____

Monroe High School 5-year Educational Development Plan Template (EDP)

	H.S. credit earned at Monroe Middle School	Grade 9	Grade 10	Grade 11	Grade 12	Grade 13 for MPS Early Middle College Students
English 4 credits required						
Math 4 credits required						
Science 3 credits required						
Social Studies 3 credits required						
Phys. Ed./Health .5 credit of PE and .5 credit of Health required						
Direct College and College Dual Enrollment						
CTE courses, Co-op, Internship						
World Language or 1 WL and 1 VPAA 2 credits required						
Visual/Performing Arts (VPAA) 1 credit required						
Electives						

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MONROE HIGH SCHOOL ADMINISTRATIVE STAFF

ADMINISTRATORS

Mr. Steve Pollzzie, Principal
Mr. Michael Foley, Assistant Principal
Mrs. Mandi Bomia, Assistant Principal
Mr. Bryant Weems, Assistant Principal
Dr. Chet Hesson, Athletics Director
Mrs. Leah Morelli, CTE Director

BOARD OF EDUCATION

Mr. Larry Zimmerman, President
Mr. Lawrence VanWasshenova, Vice President
Mrs. Mary Vincent, Secretary
Mr. Tom Heck, Treasurer
Mrs. Darla Myers, Parliamentarian
Dr. Scott Behrens, MCISD Liaison Representative

MONROE PUBLIC SCHOOLS MISSION STATEMENT

Monroe Public Schools is committed to being the premier education organization in the region. We are devoted to promoting high expectations for all in a state of the art 21st century curriculum. We recognize that all of the students and the communities that we serve are our customers, and we promise to make all decisions in their best interest.

NON-DISCRIMINATION POLICY

It is the policy of the Monroe Public Schools not to discriminate on the basis of race, color, national origin, gender, age, disability, religion, height, weight or marital status in its programs, services, employment, or any other activities. For information, contact the office of the Superintendent of Schools, 1275 N. Macomb Street, Monroe, MI 48162, 734-265-3070.

MONROE PUBLIC SCHOOLS' NON-DISCRIMINATION GRIEVANCE PROCEDURE FOR TITLE VI, TITLE IX, AND AMERICANS WITH DISABILITIES ACT OF 1990

Section 1: If any person believes that the Monroe Public Schools or any part of the school organization has inadequately applied to the principles and / or regulations of Title VI, Title IX, Americans with Disabilities Act of 1990, Michigan Handicappers Law as Amended, or is in any way discriminatory on the basis of sex, color, national origin, age, religion, height, weight, marital status, handicap, he/she may bring forward a complaint, which shall be referred to as a grievance, to one of the local Compliance Coordinators within 180 days of the alleged violation.

Section 2: The person or his/her representative who believes he/she has a valid basis for a grievance shall discuss the grievance informally and on verbal basis with the appropriate Compliance Coordinator who shall in turn investigate the complaint and reply with an answer to the complaint within five (5) business days. If this reply is not acceptable to the complainant, he/she may initiate formal procedures according to the steps listed is not acceptable to the complainant, he/she may initiate formal procedures according to the steps listed below. The Compliance/Coordinator shall maintain written record of the informal conference and response.

- Step 1: A written statement of the grievance signed by the complainant shall be submitted to the appropriate compliance Coordinator who shall further investigate the matters of grievance and reply in writing to the complainant within five (5) business days.
- Step 2: If the complainant wishes to appeal the decision of the Compliance Coordinator, he/she or his/her representative may submit a signed statement of appeal to the Superintendent of School or designee, within five (5) days after receipt of the local Coordinator's response. The Superintendent or designee, shall meet with all parties involved, formulate a conclusion, and respond in writing to the complainant withing ten (10) business days.
- Step 3: If the complainant remains unsatisfied, he/she or his/her representative may appeal through a signed, written statement to the Board of Education within five (5) business days of receipt of the Superintendent's response in Step 2. In an attempt to resolve the grievance, the Board of Education Grievance committee shall meet with the concerned parties and their representative within fifteen (15) business days of the receipt of such an appeal. A copy of the Board's disposition of the appeal shall be sent to each party within ten (10) business days of this meeting.
- Note: Complainant, or complainant's representative, has the right to file a complaint at any time regarding any alleged violation with the appropriate government agency or with the court of proper jurisdiction.

MONROE HIGH SCHOOL

VISION STATEMENT

The vision of Monroe High School is to inspire and educate all students in a comfortable and safe atmosphere where they have an equal opportunity to meet and exceed our high expectations. The school community will work cooperatively with the greater community to maximize each student's potential. Together we will guide our students toward becoming responsible, caring, and productive citizens who possess ambitious and agile minds ready to navigate their futures in our global society.



Attention Students and Parents

Due to the current budget for Monroe Public Schools, all courses and programs are subject to budget considerations, and may not be offered for the upcoming school year.

GENERAL INFORMATION

- Students are required to enroll in six classes each semester.
- Course change requests must be made within the first three days of the semester. Teacher requests cannot be honored.
- Students are required to meet the Michigan Department of Education state testing requirements in order to graduate.
- Each student should plan carefully with the Student Services Department to insure they meet all requirements for post-secondary options.
- A student will receive .5 (half) credit for a one Semester course.
- A student will receive 1 (one) credit for a two Semester course or a double block course.

GRADUATION REQUIREMENTS

The Michigan State Board of Education provides school graduation requirements that provide rigor, relevancy, and relationships in our high schools across the state through the Michigan Merit Core Curriculum. This curriculum requires specific students will take during their four years of high school to be eligible for graduation.

These requirements are listed below and are marked throughout the curriculum guide with a 

<u>REQUIRED COURSES</u>	<u>CREDITS</u>	
English	4.00	
Math	4.00	
<i>*Senior math credit may be substituted for completion of an advanced CTE class within the senior year</i>		
Science	3.00	
Biology A & B	1.00	
2 nd year of science of choice (Recommended 1 year of Chemistry or Physics or Physical Science)		
3 rd year of science of choice		
OR		
<i>*3rd can be met by successfully completing a CTE Program</i>		
Social Studies	3.00	
<i>To include .5 credit of each of the following:</i>		
U.S. History & Geography A	0.50	
U.S. History & Geography B	0.50	Class of 2023 – 23.5 Credits
Economics	0.50	Class of 2024 – 23.5 Credits
Civics	0.50	Class of 2025 – 23.5 Credits
World History & Geography A	0.50	Class of 2026 – 23.5 Credits
World History & Geography B	0.50	Class of 2027 – 23.5 Credits
Physical Education	0.50	
1 PE course		
OR		
Successful completion of Marching Band		
OR		
Successful completion of 2 seasons of a sport in good standing*		
Health	0.50	
*Visual, Performing or Applied Arts (VPAA) (see page 13)	1.00	
World Language	2.00	
2 years of the SAME world language		
OR		
*1 year of a world language AND completion of a CTE Program		
OR		
An additional VPAA credit		

***A CTE Program may be used to meet these graduation requirements.**

CTE PROGRAMS THAT CAN BE TAKEN AT MHS

Accounting
Office Management
Digital Multimedia
Drafting and Design
Marketing
Fashion Design
Health Occupations
Electromechanical
Construction Trades
Automotive Technology
Welding Technology
Cybersecurity
Education Foundations
Introduction to Electrical Technician (at MCCC)

ADVANCED PLACEMENT COURSES

The AP curriculum provides rigor and helps develop an understanding of the time management, study skills and independent learning needed for the demands of college. The AP exam prep and exam, offered by College Board, is part of the MHS AP curriculum. When selective colleges review transcripts for admissions, many times they make their decisions on the rigor of the transcript as defined by the amount of AP courses on the student's transcript. (See link below.)

MHS students can only apply to drop an AP course if there are extenuating circumstances and they have contacted the schools they plan to apply to or have applied to and discussed a drop with the admissions counselor. Only then, will the MHS guidance counselor consider the drop. Final transcripts are sent to schools, after graduation, so it is imperative that they are aware of drops in case admissions were based on course loads earlier in the year.

As the college admissions' website points out and is also the philosophy of AP courses, not getting an A is not an extenuating reason to drop. <http://internationalcollegecounselors.com/college-admissions-advisors-answer-questions-on-rigor-for-high-school-students/>.

ACADEMIC HONORS

The highest achievable student honor is Senior Scholar. This allows more students to be recognized at our graduation ceremony and is also a process for recognizing student academic knowledge. We will use a formula for selecting students for top academic honors that has been used in the past to determine Academic All-State candidates. The formula uses a point system that consists of the student's GPA and SAT score. Because of our Michigan Merit Exam, all students now take the SAT exam during their junior year, and some take the exam more than once. This process is an indicator of students' academic success. If there is a change at the state level for an approved formula, we will adapt to that formula. A class ranking will still be calculated for college purposes. If a student transfers to us senior year and has not taken the SAT, we will use the ACT.

The following will indicate senior honors with Senior Scholars being the highest honor given.

Senior Scholars	SAT + GPA Point Score
Summa Cum Laude	3.9 and above GPAs
Magna Cum Laude	3.7 – 3.9 GPAs
Cum Laude	3.5 – 3.7 GPAs
Honor Roll	3.0 – 3.5 GPAs

GRADE POINT AVERAGE

Grade Point Averages at Monroe High School are computed in the following manner:

- 1) Classes taken in grades 9-12 for credit toward graduation shall be included. High school classes taken in middle school also counted as credit.
- 2) Only courses assigned letter grades of A-B-C-D-F, will be included in the average.
- 3) Points will be awarded on the following basis:
 - a. A=4, A-=3.667, B+=3.333, B=3.0, B-=2.667, C+=2.333, C=2.0, C-=1.667, D+=1.333, D=1.0, D-=.667, F=0
 - b. S – ½ credit given, satisfactory
 - c. U – 0, unsatisfactory work
 - d. I – 0, incomplete work
 - e. P – state/mandated (testing out), credit given, not calculated in GPA
- 4) Rank in class is determined by cumulative GPA.
- 5) Beginning in 21-22, AP Courses will be weighted on a 5-point scale.

CAREER AND COLLEGE READY TESTING AND ASSESSMENTS

We are building an assessment culture focus. This will help the students focus on an assessment/test as a measure of their learning with a progressive plan to improve their learning. The fall PSAT will serve as a pre-assessment of learning where the spring PSAT will serve as a post-assessment of learning. The student will receive feedback through Khan Academy to identify academic areas they need to target in their classes and for the SAT and college and career readiness.

DEFINITIONS

ACT (American College Test) – Consists of testing in math, English, science reasoning, reading, and writing. More information can be found at www.acstudent.org.

SAT (Scholastic Aptitude Test) – Consists of testing in reading, writing, and math comprehension with an essay option. The newly designed 2016 SAT is based on career and college ready skills and lines up with the Michigan Department of Education's standards.

Every MHS 11th grader will take the SAT in April.

PSAT/NMSQT (Preliminary Scholastic Aptitude Test National Merit Qualifications) – This is the qualifying test for the National Merit Program, the United Negro College Fund, and the National Hispanic Recognition Program. It is a shortened version of the SAT.

PSAT10 – The PSAT10 is a practice SAT exam. It is aligned to the SAT – meaning it has SAT type questions including evidence support questions on the reading. Its scores are also reported on the same scale as the SAT. The PSAT10 is designed specifically for sophomores in high school, so **its questions are not as difficult as the PSAT/NMSQT, which is designed for juniors.** It's important to know that the **PSAT 10 does not qualify you for the National Merit competition.**

PSAT8/9 – The PSAT8/9 is the first test in the SAT Suite of Assessments. Designed for eighth and ninth graders and tightly aligned with the SAT, PSAT/NMSQT, and PSAT10, the PSAT8/9 establishes a baseline for college and career readiness in high school. The PSAT8/9 measures the reading, writing and language, and math skills you need for college and a career. After the test, you'll receive feedback on how ready you are for college along with tools to help you improve.

For more information on college testing go to www.monroe.k12.mi.us/MonroeHS > Parent Resources Link and the Student Services Department > Standard Testing Information link.

TIMELINES FOR COLLEGE READY TESTING

10th Grade

SAT Should be taken in June for those students trying to gain entrance into special programs, i.e., Military academies and ROTC programs, specialized medical programs, etc. It is the financial responsibility of the student/family to pay for the test.

PSAT/NMSQT Practice for the 11th grade PSAT/NMSQT qualifier, which is used in the national merit scholarship program.

PSAT 10 This is the practice test for the SAT.

11th Grade

SAT All juniors take the SAT as part of the Michigan standardized test for graduation in the spring.

PSAT/NMSQT To qualify for SAT scholarship programs, this test must be taken in the fall of the 11th grade.

12th Grade

ACT/SAT If a college or university requires SAT scores for admittance or scholarship purposes, a senior might consider re-taking the SAT by December. Families are responsible for registering for this by going to the College Board website and paying for test registration fees.

STATE STANDARDIZED TEST FOR ALL 11TH GRADERS

The State of Michigan has stated that the accountability test for Michigan high schools will be the M-Step and SAT. However, this is subject to change.

SCHOLARSHIP AND FINANCIAL AID

Scholarship and financial aid information is available throughout the year from the Student Services Department and Post-Secondary Google Classroom. Notification of scholarship opportunities will always be advertised through student email and

the MHS Facebook page, MHS scholarship page, and TFT teacher. See your post-secondary planner for further information. Make scholarship searches part of your 9-12 educational development plan. **If you qualify for free or reduced lunch, please apply even if you do not use it. This qualifies you for fee waivers that are required for college applications, AP exam costs, some scholarship and college testing fees to name just a few.**

NCAA (National Collegiate Athletic Association)

NCAA Eligibility Center (formally known as the NCAA Clearinghouse)/Prospective Collegiate Student Athletes: Any high school student athlete planning to participate in collegiate athletics must be approved through the NCAA Eligibility Center. There are initial eligibility rules that must be met, and the student-athlete's transcript must be sent to the Eligibility Center. Student athletes should register at www.eligibilitycenter.org. The eligibility center's website contains great information for the college bound student athlete. **Students should work with their guidance counselor to make certain they are on track with required courses. Note: SAT or ACT scores must be sent directly to NCAA from ACT or College Board.**

NAIA (National Association of Intercollegiate Athletics)

The NAIA eligibility center registration is required for any student who plans to attend an NAIA school. NAIA Prospective Student Athletes: By registering at playnaia.org, prospective students have the chance to let NAIA coaches know they're interested in playing in college.

DUAL ENROLLMENT/DIRECT COLLEGE

Students wishing to dual enroll or take direct college classes should discuss the requirements and options for dual enrollment/direct college with their counselor. For dual enrollment and direct college, students will be enrolled in both the school district and postsecondary institution during the local school district's regular academic year and must be enrolled in a combined total of six (6) classes each semester. The college course cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education. Dual-enrolled and direct college students who fail their college course will repay the school district the cost of the course. Check with your school counselor for full details.

ONLINE STUDIES

Monroe Public Schools in cooperation with the Michigan Virtual High School is providing students with an opportunity to extend their learning through the Online Studies Program. Qualifying students may earn up to one high school credit per academic year by successfully completing online courses. Students' final grades will be based on the following scale: 100-90% A; 89-80% B; 79-70% C; 69-60% D; 59% and below E. Classes will be recorded on their transcripts and grades calculated with the cumulative GPA.

TESTING OUT PROGRAM

A student may test out of any course offered by our high school. Students will exhibit mastery of course content by attaining a grade of C+ or better on a comprehensive end-of-course examination. Students may also be required to demonstrate mastery through basic assessments used in the class which may include, but are not limited to, portfolios, performance, papers, project and/or presentations.

Credits earned will be based on successful mastery of the required assessment and recorded as 'pass'. The grade will not be included in computation of the grade point average. Credit will be accepted as fulfillment of a requirement in a course sequence. Once credit is granted by 'testing out,' a student may not receive credit for a lower course in that course sequence. Credit toward fulfillment of graduation requirements will be granted for successful achievement of a C+ or better on the end-of-course examination. We will be administering all 'testing out' exams once in the spring and once in the fall. A sign-up date will be set at the start of each semester and students will be given study materials after the sign-up date. Students will be charged a \$10.00 fee per test and refunded upon completion of the test(s). Fees will not be charged to students who qualify for free or reduced lunch.

EARLY MIDDLE COLLEGE

Early Middle College is a five-year academic program that offers a combination of high school and college classes potentially culminating in an associate degree, up to 60 transferable college credits, or an industry-recognized certification at no cost to the student's family. Students will have access to all support offered at Monroe High School and Monroe County Community College throughout their entire program. Many career pathways are available for students, leading to a fulfilling and rewarding career! Email Mrs. Bonam at bonam@monroe.k12.mi.us for more information.

Career Clusters/Pathways

Career clusters/pathways are groups of careers that share similar characteristics and employment requirements that call for common interest, strengths, and skills. Your chosen career cluster/pathway may be modified throughout your time in high school by working with the Student Services Department during EDP lessons.

By following a career cluster/pathway in high school, you will be career ready for job opportunities right out of high school and/or prepared for rigorous college admission requirements. Job opportunities, right out of high school, could become your life's work with the possibility of future training/education or help provide you with a job that can support you while going to college. Also, your high school transcript will reflect college readiness in your career cluster/pathway which is a position of strength for the rigors of the college admission process.

Monroe High School Career and College Readiness Opportunities

We lead the county in AP (Advanced Placement) offerings, career, and technical courses (CTE), and extra-curricular opportunities and clubs based on career clusters/pathways.

What is an Educational Development Plan (EDP)?

An Educational Development Plan, or EDP, is a blueprint of the classes that will be or have been taken while attending high school. This plan will help you focus and plan for your chosen career cluster/pathway during high school and into post-secondary education. Educational development plan work will be completed each year and includes taking or revisiting career assessments, resume building, college and scholarship searches and post-secondary planning.

*An EDP form is at the beginning of this Curriculum Guide. Please complete each year and keep a copy of the curriculum guide for future reference.

Why do I need to understand career clusters/pathways?

Following a career cluster/pathway makes it easier for you to identify career choices among the thousands of different occupations available to you. Career clusters/pathways can help you develop a plan to prepare and achieve your career goals. Most of your high school courses should be chosen based on your cluster/pathway. Decisions concerning the type of continuing education that might be required, after high school, can also be made based on your career cluster/pathway. Examples of continuing education include Apprenticeships, two-year college degrees (associate degree), four-year college degrees (bachelor's degree), and trade-specific certification programs, (many are offered at Monroe County Community College, Washtenaw Community College, and Owens Community College).

How do I decide which career pathway is best for me?

Knowing how your personal interests, abilities and skills match your career cluster/pathways can help you begin choosing what fits you best. During your education at Monroe High School, you will have many opportunities to explore and adjust your career cluster/pathway. The MHS Staff will guide you through EDP activities to help determine which careers best suit your abilities and interests.

Who can help me understand which career cluster/pathway is for me?

Many people are interested in helping you learn about career cluster/pathways including teachers, parents, school counselors, post-secondary planners, community members, business leaders and business owners.

What is the difference between the technical and professional careers?

- Technical:** Students interested in these listed careers will be considering a community college, technical/trade school, or other post-secondary training.
- Professional:** Students interested in these careers will be considering a two-year program, or a four-year college/university program.

Trojan Family Time (TFT)

Trojan Family Time (TFT) is an innovative program designed to enhance the educational experience of our students at Monroe High School. TFT is a dedicated period where students engage in activities that promote academic growth, personal development, and community building.

Objectives:

TFT is a dedicated period in our school schedule designed to promote student engagement, enhance social-emotional learning, and provide academic support. During TFT, students participate in a variety of activities that encourage collaboration, critical thinking, and community building. These activities range from group discussions and team-building exercises to academic enrichment and intervention sessions.

Schedule:

TFT is scheduled during a protected time block twice a week, ensuring that all students can participate without conflicting with their regular classes.

Credit Value:

Each semester, students can earn **0.25 credits** for their active participation in TFT. These credits are an integral part of our commitment to providing a well-rounded education and count towards the elective credits required for graduation.

Participation:

All students are automatically enrolled in TFT and are expected to actively participate in the scheduled activities. Attendance is mandatory, and participation is reflected in the student's overall performance record.

Courses counting for Visual, Performing or Applied Arts Graduation Requirement Credit 2024-2025

Applied Art for Seniors	Health Occupations 1, 2, 3, 4
Accounting 1, 2	Housing & Interior Design
Art Foundations	Interpersonal Relationships
Automotive 1, 2, 3	Introduction to Electrical Technician
Band	Marching Band
Ceramics 1, 2	Marketing 1, 2
Choir	Monroe Expressions
Construction Trades 1, 2, 3	Musical Theatre
Cyber Security 1	Music Theory
Digital Multimedia 1, 2, 3	Office Management 1, 2, 3
Drafting and Design 1, 2, 3, 4	Orchestra
Drawing 1, 2	Painting 1, 2
Education Foundations 1, 2	Piano 1, 2
Electro-Mechanical 1, 2, 3, 4	Portfolio Development 2D 1, 2
Fashion Design 1, 2, 3	Portfolio Development 3D 1, 2
Finance and Accounting 1, 2, 3	Sculpture 1, 2
Generation E Industrial Tech	Sports & Entertainment Marketing
Generation E Small Business Ownership	Welding 1, 2, 3

**VPAA Classes may also exchange for 2nd year of World Language.

Advanced Placement (AP) Courses*

2D ART AND DESIGN

3D ART AND DESIGN

BIOLOGY

CALCULUS AB or BC

CHEMISTRY

ENGLISH LANGUAGE AND COMPOSITION (11TH)

ENGLISH LITERATURE AND COMPOSITION (12TH)

ENVIRONMENTAL SCIENCE

PHYSICS

PRE-CALCULUS

PSYCHOLOGY

STATISTICS

US HISTORY

WORLD HISTORY

*Class offerings are subject to change.



Monroe High School

Physical Education Exemption Form

Student Name: _____ ID Number: _____ Graduation Year: _____ Date: _____

Monroe High School and the state of Michigan require all high school students to take one semester (.5 credits) in Physical Education. You may request an exemption from the requirement if you participate in **two seasons of a sponsored athletic team sport (see list below) by the end of the junior year.**

To receive the exemption:

- This form must be signed by student and parent or guardian
- Form must also be signed by the head coach and athletic director by end of junior year
- Complete form and obtain signatures immediately at the end of the season
- Student must be enrolled in a minimum of six classes
- Student will be granted a P on transcript for Physical Education
- This is a one time exemption to meet the Michigan Merit Physical Education graduation requirement

I participated as a team member, in good standing, in the following:

- | | | |
|--|---|-------------------------------------|
| <input type="checkbox"/> Baseball | <input type="checkbox"/> Football | <input type="checkbox"/> Softball |
| <input type="checkbox"/> Basketball | <input type="checkbox"/> Golf | <input type="checkbox"/> Swimming |
| <input type="checkbox"/> Bowling | <input type="checkbox"/> Gymnastics | <input type="checkbox"/> Tennis |
| <input type="checkbox"/> Competitive Cheer | <input type="checkbox"/> Hockey | <input type="checkbox"/> Track |
| <input type="checkbox"/> Cross Country | <input type="checkbox"/> Sideline Cheer | <input type="checkbox"/> Volleyball |
| <input type="checkbox"/> Equestrian | <input type="checkbox"/> Soccer | <input type="checkbox"/> Wrestling |

Student Signature

Date

Parent Signature

Date

Coach Signature

Date


Athletic Director Signature

Date

MONROE HIGH SCHOOL ART DEPARTMENT


Arts and Communications Career Pathway

All courses in the MHS Art Department are designed to emphasize the student's creative potential. All courses are open to students who wish to expand their artistic horizons in specific or general areas. It is recommended that each student who has had little or no previous art experience take Art Foundations before engaging in other areas. This will give students a fundamental background in the various art forms and help them make more informed choices for greater success in other art courses.

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC). In addition, all courses in the MHS Art Department meet the Visual Performing Applied Arts (VPAA) graduation requirements outlined by the Michigan Merit Curriculum (MMC).

APPLIED ART FOR SENIORS – 1 Semester/.5 Credit

Grade: 12


 *Visual, Performing and Applied Arts (VPAA)*

100105

This is a hands-on, functional, and decorative art course for seniors with a focus on art-related careers. This course will include masks, game design, interior design, and various other applied arts. Exploration of the elements and principles of design, self-expression, creative thinking, problem-finding finding and solving will be emphasized. This course emphasizes the transformation of a student's world view in that the student is required to take the classroom learning, apply it to real-world situations, and create a new solution. No previous art training is necessary prior to taking this class. All **seniors** are welcome.

ART FOUNDATIONS – 1 Semester/.5 Credit

Grade: 9-12


 *Visual, Performing and Applied Arts (VPAA)*

100015

Art Foundations is a good starting point for students in any pathway interested in the arts and is recommended for students pursuing the Arts and Communications pathway. Students in this course will be exposed to many different mediums, working with both 2D and 3D art supplies. Projects will incorporate the study of art history, aesthetics, and art criticism. Students will develop a sense of good composition by learning the elements and principles of design. They will study symbolism, color theory, and basic drawing and sculpting skills.

CERAMICS – 1 Semester/.5 Credit

Grades: 10-12

 *Visual, Performing and Applied Arts (VPAA)*

100025


This class will focus on hand-building functional and decorative items with clay. Students will practice good process and production methods. Hand building including pinching, slab building and coiling techniques will be introduced. A variety of methods to embellish and finish ceramic items will be explored. Self-expression, critiquing and knowledge of ceramic history will be explored. Use of elements and principles of design and creative problem-solving will be encouraged. Students will leave class with a diverse portfolio of ceramic pieces. No previous art experience is necessary.

CERAMICS 2 – 1 Semester/.5 Credit


Grades: 10-12

(Prerequisite: Ceramics 1)


100026

 *Visual, Performing and Applied Arts (VPAA)*


This class will focus on perfecting hand-building functional and decorative items with clay. Students will practice good process and production methods. Hand building including but not limited to pinching, coiling and slab-building techniques will be further developed. A variety of methods to embellish and finish ceramic items will be perfected. Artistic research, self-expression, self-critiquing and extensive use of elements and principles of design will be encouraged. Creative problem finding and solving as well as critical thinking will be required. Students will leave class with a high-quality and diverse portfolio of ceramic pieces. B or higher grade in beginning ceramics is required.

DRAWING 1 – 1 Semester/.5 Credit**Grades: 9-12** *Visual, Performing and Applied Arts (VPAA)***100065**


This class is designed to help students build an awareness of realistic drawing techniques and processes and develop drawing skills. There will be an overview of the elements and principles of design. Students will learn to draw realistically from both real-life observations and from photographs. This course will prepare students for higher-level art courses. Students must be committed to developing their abilities and working toward mastery. Note: If you want to take 2D Portfolio during junior or senior year, both Drawing 1 and 2 must be taken beforehand.

DRAWING 2 – 1 Semester/.5 Credit**Grades: 9-12***(Prerequisite: Drawing 1)***100075** *Visual, Performing and Applied Arts (VPAA)*


This course will continue to explore the elements and principles of design, with an emphasis on expressing your own ideas. Students will continue to build their realistic drawing skills, learning to use reference photos in new ways, some supplies we didn't use in Drawing 1, and some new drawing techniques. This course will encourage creative problem-solving and critical thinking. Students must have been received at least a "C" semester grade in Drawing 1 to take this course. Note: If you want to take 2D Portfolio during junior or senior year, both Drawing 1 and 2 must be taken beforehand

PAINTING 1 – 1 Semester/.5 Credit**Grades: 9-12** *Visual, Performing and Applied Arts (VPAA)***100085**

The first half of this class will focus on transparent watercolor painting techniques. The students will be encouraged to experiment using many different approaches, both with subject matter and media. The second half of the class will be spent learning to paint realistically with acrylic paint and mixed media. A wide variety of subject matter and techniques will be explored to help create exciting paintings. Basic drawing skills and the elements and principles of design will be introduced. Creative thinking and problem-solving will be emphasized throughout the course.

PAINTING 2 – 1 Semester/.5 Credit**Grades: 9-12***(Prerequisite: Painting 1)* *Visual, Performing and Applied Arts (VPAA)***100095**


This class is an extension of Painting 1, with a concentration on the student's area of interest. Students will be required to do individualized research on the artists of their choice. Students will produce paintings inspired by those artists. Perfecting the use of composition, elements and principles of design will be required. Self-expression, self-critiquing, creative thinking, problem finding and solving will be encouraged. Students must have received at least a "C+" semester grade in Painting 1 to take this course.

SCULPTURE 1 – 1 Semester/.5 Credit**Grades: 9-12** *Visual, Performing and Applied Arts (VPAA)***100035**

Students will develop basic 3D building techniques. Students will practice good process and production methods. This class will explore various sculptural construction techniques and media. These will include Paper Mache', wire, wood, cardboard and more. Students will demonstrate an understanding of art critiquing and the elements and principles of design. Self-expression, self-critiquing, and creative thinking will be required. Students will begin to build a diverse portfolio of sculptural pieces. No prerequisite is required.

SCULPTURE 2 – 1 Semester/.5 Credit

Grades: 9-12

 Visual, Performing and Applied Arts (VPAA)


100036

(Prerequisite: Sculpture 1)

Students will perfect their 3D art-building techniques. Students will practice good process and production methods. Students will further explore and refine various sculptural construction techniques. These will include but are not limited to Paper Mache', wood, wire, cardboard, and various recycled materials. Students will demonstrate an in-depth understanding and utilization of art history research, critiquing and the elements and principles of design. Creative expression and thinking, problem-finding, and solving will be emphasized. Creation of a high-quality portfolio of sculpture will be the main goal of the class.

2D PORTFOLIO DEVELOPMENT 1 – 1 Credit/2 Semesters

Grades: 11-12

 Visual, Performing and Applied Arts (VPAA)


Semester 1 – 100039 (1A)

(Prerequisites: "B" or higher in both Drawing 1 and 2)

This course is for the serious self-motivated student who intends to pursue studies in the arts or related fields. The student should have completed several art courses to pursue this course of study. The student should have a general understanding of how to apply the elements and principles of design in their artwork. The student will be expected to develop a series of pieces for a college art portfolio and to compete in at least one art competition. The student will also be expected to prepare a slide presentation of their personal work and complete a college admission essay.

2D PORTFOLIO DEVELOPMENT 2 – 1 Credit /2 Semesters

Grade: 12

 Visual, Performing and Applied Arts (VPAA)

Semester 1 – 100041 (1A)


(Prerequisites: "B" or higher in 2D Visual Arts Portfolio Development 1)

Semester 2 – 100042 (1B)

This course is for the serious self-motivated student who intends to pursue studies in the arts or related fields. The student should have a clear understanding of how to apply the elements and principles of design in their artwork. The student will be expected to continue to develop a series of pieces for a college art portfolio and to compete in at least one art competition. The student will have the opportunity to improve the slide presentation and college admission essay. Students must have received at least a "B" semester grade in 2D Visual Arts Portfolio Development to 1 to take this course.

AP 2D ART AND DESIGN – 1 Credit/2 Semesters ***NOT OFFERED 2024-2025***

Grade: 12

 Visual, Performing and Applied Arts (VPAA)


Semester 1 – 100041 (1A)

[Prerequisites: "B" or higher in 2D Portfolio Development 1 and Teacher Approval Required.]

Semester 2 – 100042 (1B)


Students will examine and discuss the two AP portfolio sections that are required: Sustained Investigation and Selected Works. Examples of each section will be viewed, and students will practice using the rubrics that the College Board judges use to assess 2D Art and Design portfolios. Students will create 2D artwork for the two required portfolio sections. College Board recommends 6 hours of art creation per week, every week, for the year, to create a portfolio capable of passing the AP exam. Students are expected to work both in and outside of class. **See the instructor for the required Summer Assignments. NOTE: It is highly recommended that all students taking this class pay the Advanced Placement test fee and submit their portfolio for assessment by College Board. Successful completion of the portfolio may result in college credit. (See AP requirement on page 6.)**

3D PORTFOLIO DEVELOPMENT 1 – 1 Credit/2 Semesters *NOT OFFERED 2024-2025*** Grades: 11-12**

 *Visual, Performing and Applied Arts (VPAA)* **Semester 1 – 100030 (1A)**
(Prerequisites: Ceramics 1 and 2, Sculpture 1 and 2 with a “B” or higher **Semester 2 – 100031 (1B)**
and teacher approval.)

This course is for the serious self-motivated student who intends to pursue studies in art or related fields. The student should have completed several 3D art courses to pursue this course of study. The student should have a general understanding of how to apply the elements and principles of design in their artwork. The student will be expected to develop a series of pieces for a college art portfolio and to compete in at least one art competition. The student will also be expected to prepare a slide presentation of their personal work and complete a college admission essay.

3D PORTFOLIO DEVELOPMENT 2 – 1 Credit/2 Semesters *NOT OFFERED 2024-2025*** Grade: 12**

 *Visual, Performing and Applied Arts (VPAA)* **Semester 1 – 100033 (2A)**
(Prerequisites: 3D Visual Arts Portfolio Development 1 and with a “B” or higher **Semester 2 – 100034 (2B)**
grade and teacher approval.)

This course is for the serious self-motivated student who intends to pursue studies in art of related fields. The student should have a clear understanding of how to apply the elements and principles of design in their artwork. The student will be expected to continue to develop a series of pieces for a college art portfolio and to compete in at least one art competition. The student will have the opportunity to improve the slide presentation and college admission essay. Students must have received at least a “B” semester grade in 3D Portfolio Development 1 to take this course.

AP 3D ART AND DESIGN – 1 Credit/2 Semesters *NOT OFFERED 2024-2025*** Grade: 12**

 *Visual, Performing and Applied Arts (VPAA)* **Semester 1 – 100037 (2A)**
(Prerequisites: “B” or higher in 3D Portfolio Development 1) **Semester 2 – 100034 (2B)**


Students will examine and discuss the two AP portfolio sections are required: sustained Investigation and Selected Works. Examples of each section will be viewed, and students will practice using the rubrics that the College Board judges use to access 3D Design portfolios. Students will create 3D artwork for the two required portfolio sections. College Board recommends 6 hours of art creation per week, every week, for the year, to create a portfolio capable of passing the AP exam. Students are expected to work both in and outside of class. **See the instructor for the required Summer Assignments. NOTE: It is highly recommended that all students taking this class play the Advanced Placement test fee and submit their portfolio for assessment by College Board. Successful completion of the portfolio may result in college credit. (See AP requirement on page 6.)**

MONROE HIGH SCHOOL BUSINESS, MANAGEMENT, MARKETING & INFORMATION TECHNOLOGY DEPARTMENT

Business, Management, Marketing & Technology Career Pathway

The program offerings in the Business Management and Marketing Education Department develop essential skills for students to be career ready, prepare for advanced technical training, and/or college degrees. Each course that is part of a larger program sequence will be listed together with program completion information included.

- **FREE COLLEGE CREDIT opportunities that apply will be noted at the bottom of the course description. Completion of these courses automatically qualifies students for credit at local colleges. Completion information can be obtained from the CTE Office at 734-265-3450.**


 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

GENERATION E / SMALL BUSINESS OWNERSHIP – 1 Semester/.5 Credit

Grades: 9-12

(Prerequisite: None)

100105

 *Visual, Performing and Applied Arts (VPAA)*

This course follows guidelines set forth in the Generation E curriculum program and is open to all student's 9th through 12th grade. This course also serves as foundational for the entire Business Management, Marketing, and Information Technology Department. Characteristics of American business and its environment are studied. Subject areas include new and emerging technologies, new product research and development, business ownership, marketing, purchasing, production finance and management functions. Students will create a product prototype and business plan to prepare them for participation in functions. Students will create a product prototype and business plan to prepare them for participation in the Young Entrepreneur Showcase at the end of the school year. This is a good preparatory class for the college-bound business administration program or for those entering the business field upon graduation.


BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY PROGRAM

FINANCE & ACCOUNTING 1 – 1 Semester/.5 Credit

Grades: 9-12

(Prerequisite: None)




110025

 *Visual, Performing and Applied Arts (VPAA)*

 *Fourth year Math elective, if enrolled as a Senior*



This course is the first part (1 of 3) of the Finance and Accounting program series. The basic accounting equation will be addressed with early emphasis on the increase/decrease and debit/credit concept. Students will learn the entire accounting cycle for a service business organized as a sole proprietorship. Students will complete an automated simulation for a service business, journalizing entries and generating financial statements before closing out a fiscal period. Students are provided with the opportunity to join BPA (Business Professionals of America) and participate in regional, state, and national events that focus on the material learned in this class. In addition, students are eligible for placement in the BMMT Work-Based Learning Program.

FINANCE & ACCOUNTING 2 – 1 Semester/.5 Credit**Grades: 9-12***(Prerequisite: Finance & Accounting 1)***110035**

-  *Visual, Performing and Applied Arts (VPAA)*
-  *Fourth Year Math Elective, if enrolled as a Senior*
-  *May exchange for 3rd year of Science*


This course is the second part (2 of 3) of the Finance and Accounting program series. Students will continue their learning in the accounting cycle for a merchandising corporation and advanced accounting procedures. A minimum of one automated simulation will be employed as a project-based experience. Students continue to be encouraged to join BPA (Business Professionals of America) and participate in regional, state, and national events that focus on the material learned in this class. In addition, students are eligible for placement in the BMMT Work-Based Learning program.

FINANCE & ACCOUNTING 3 – 1 Semester/.5 Credit**Grades: 10-12***(Prerequisite: Finance & Accounting 2)***110045**

-  *Visual, Performing and Applied Arts (VPAA)*
-  *Fourth Year Math Elective, if enrolled as a Senior*

This course is the third part (3 of 3) of the Finance and Accounting program series. We are now part of a Global Economy! Accountants can provide their services to clients around the world from a single location (even from home). Completing the Advanced Accounting program can help launch a profitable career and prepare college-bound students for college business courses! This course will cover acquiring capital, depreciation, inventory, accruals and deferrals, and end-of-period fiscal work for a corporation. Students continue to be encouraged to join BPA (Business Professionals of America) and participate in regional, state, and national events that focus on the material learned in class. In addition, students are eligible for placement in the BMMT Work-Based Learning program.





OFFICE MANAGEMENT 1 – 1 Semester/.5 Credit**Grades: 9-12**

-  *Visual, Performing and Applied Arts (VPAA)*

110145

This course is the first part (1 of 3) of the Office Management program series. Students who have good computer skills and are looking to increase their knowledge, use, and productivity, will want this class. Students will learn skills that colleges and business corporations expect in their employees. Using Microsoft Office 2019, students will begin with refresher training and proceed through more advanced technical and professional preparation in Microsoft Word, Excel, Access, PowerPoint, and Outlook. Upon completion of this class, students may pursue their MOS (Microsoft Office) Certification. Also, standards will be covered for general office and soft skills. Business practices and employability skills are integrated into this course. This course meets the BMMT Work-Based Learning class requirement. Students are encouraged to be a member and compete using their skills in our Business Professionals of America (BPA) chapter, the nationally recognized student business organization.

OFFICE MANAGEMENT 2 – 1 Semester/.5 Credit**Grades: 9-12***(Prerequisite: Office Management 1)***110155**

-  *Fourth year Math elective, if enrolled as a Senior*
-  *Visual, Performing and Applied Arts (VPAA)*
-  *May exchange for 2nd year of World Language*
-  *May exchange for 3rd year of Science*

This course is the second part (2 of 3) of the Office Management program series. Business practices and employability skills are integrated into this course as students continue working on computer skills through

simulations using Microsoft 2019 Word, Excel, Access, PowerPoint, Publisher, and Outlook. Management and supervisory level skills will be emphasized as students continue on their career path. Also, standards will be covered for general office and soft skills. Students may pursue their MOS (Microsoft Office) Certification. Business Professionals of America (BPA) activities are also an important aspect of this course, students are encouraged to become a member of BPA. This course meets the BMMT Work-Based Learning class requirement.


OFFICE MANAGEMENT 3 – 1 Semester/.5 Credit

Grades: 10-12

(Prerequisite: Office Management 2)

110165

 *Fourth Year Math Elective, if Enrolled as a Senior*

 *Visual, Performing and Applied Arts (VPAA)*

This course is the third part (3 of 3) of the Office Management program series. Students will continue to perfect skills that colleges and business corporations expect in their employees. Microsoft Office 2019 will be used, business best-practices and employability skills are enforced to ensure students are prepared to be an asset in any business environment. Also, standards will be covered for general office and soft skills. Upon completion of this class, students may pursue their MOS (Microsoft Office) Certification. This course meets the BMMT Work-Based Learning class requirement. Students are encouraged to be a member and compete using their skills in our Business Professionals of America (BPA) chapter, the nationally recognized student business organization.

BUSINESS MANAGEMENT, MARKETING & TECHNOLOGY WBL –

Grades: 11-12

1 or 2 semesters/.5 credits per hour of WBL. See WBL Coordinator for hours available.

999881


(Prerequisite: Currently enrolled in or completed a related BMMT class and WBL coordinator approval.)

BMMT Work-Based Learning is a coordinated work experience program in office and accounting-related fields. The WBL coordinator places the student in a work experience that is close to his/her occupational interest and goal. Students are released from school to attend work and are supervised and graded by their employer and their Work-Based Learning coordinator.


MARKETING PROGRAM

MARKETING 1 – 1 Semester/.5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*


110275

 *May exchange for a Senior Math class*


The subject matter of this class includes Distributive Education Clubs of America (DECA, an Association of Marketing Students) activities, Career Development, Marketing and Business Fundamentals, Selling Techniques, Marketing Concepts, Human Relations/communications, and business-related field trips. Students in this course may have the opportunity to study retail sales and Business-to-Business marketing. Upon completing this class, a student should be able to secure continuing employment in a field related to marketing and distribution. Students can join DECA (an Association of Marketing Students) and participate in district, state, and national events that focus on the material learned in this or any Marketing class.

MARKETING 2 – 1 Semester/.5 Credit

Grades: 9-12

 Visual, Performing and Applied Arts (VPAA)

110285

 May exchange for 3rd year of Science

 May exchange for a Senior Math class

The subject matter of this class includes DECA activities, Advanced Marketing Techniques, Financing, Distribution, Selling, Pricing, Promotion, Advertising, Produce/Service Management, Marketing-Information Management, and business-related field trips. Students learn marketing functions through a variety of hands-on projects. Upon completion of this course, a student should feel comfortable advancing into the lower levels of management in the areas of management or continuing at the college level in the areas of marketing and business administration. Students may continue with DECA (an Association of Marketing Students) and participate in district, state, and national events that focus on the material learned in this or any Marketing class.

(*Free College Credit Agreements are in place that award College Credit after program completion.*)


*Upon completion of this class the student is considered a “Completer” for CTE.


SPORTS & ENTERTAINMENT MARKETING – 1 Semester/.5 Credit

Grades: 10-12

(Prerequisite: Marketing 1 and 2)

122175

 Visual, Performing and Applied Arts (VPAA)

 May exchange for a Senior Math class

The subject matter of this course includes Marketing Techniques within the Sports and Entertainment industries, Financing, Distribution, Selling, Pricing, Promotion, Advertising, Produce/Service Management, Marketing-Information Management, and business-related field trips. Students in this course will have the opportunity to study the world of sports and entertainment on the business side. Upon completion of this course, a student should feel comfortable advancing into the lower levels of management in the areas of sports management or continuing at the college level in the areas of sports marketing and business administration. Students may continue with DECA (an Association of Marketing Students) and participate in district, state, and national events that focus on the material learned in this or any Marketing class.

MARKETING CO-OP – 1 or 2 Semesters/.5 Credits per hour of WBL.

Grades: 11-12

See WBL Coordinator for hours available.

999880


(Prerequisite: Currently enrolled in or completed a related Marketing class and co-op coordinator approval.)

Marketing Co-op is a coordinated work experience program in retail related fields. The co-op coordinator places the student in a work experience that is close to his/her occupational interest and goal. Students are released from school to attend work and are supervised and graded by their employer and their co-op coordinator. Students may continue with DECA (An Association of Marketing Students) and participate in district, state, and national events that focus on the material learned in this or any Marketing class.

DIGITAL MULTIMEDIA DESIGN PROGRAM

DIGITAL MULTIMEDIA 1 – 1 Semester/.5 Credit

Grades: 9-12

 Visual, Performing and Applied Arts (VPAA)

111055

This course is the first part (1 of 3) of the Digital Multimedia Design program series. In this course, students will learn the basics in the field of Digital Multimedia through the use of Photoshop CC digital photography editing. Students will use Photoshop CC to create fine and commercial graphic art projects and promotional advertising. Students will learn basic lay-out and design elements used in the digital multimedia field of employment. Elements and principles of design and composition are covered while students are learning the basics needed to create various digital graphic design assignments including a magazine cover, makeover project and wanted


poster. Students are encouraged to be a member and compete using their skills in our Business Professionals of America (BPA) chapter, the nationally recognized student business organization.

DIGITAL MULTIMEDIA 2 – 1 Semester/.5 Credit

Grades: 9-12

(Prerequisite: Digital Multimedia 1)

111065

 *Visual, Performing and Applied Arts (VPAA)*


This course is the second part (2 of 3) of the Digital Multimedia Design program series. This advanced course includes further instruction on digital multimedia and computer graphic arts using Advanced Adobe Photoshop CC, InDesign, and Illustrator. Students will gain a deeper understanding of digital photo editing and graphic layout techniques. The elements and principles of design will be emphasized along with creative and critical thinking skills. This course builds upon the skills covered in the prerequisite class and allows students to advance through project-based learning centering on student interests. The final assessment for this course is the creation of a movie poster of the student's choice. Students are encouraged to be a member and compete using their skills in our Business Professionals of America (BPA) chapter, the nationally recognized student business organization.

DIGITAL MULTIMEDIA 3 – 1 Semester/.5 Credit


Grades: 10-12

(Prerequisite: Digital Multimedia 1)

111066

 *Visual, Performing and Applied Arts (VPAA)*

 *Fourth year math elective, if enrolled as a senior*

 *May exchange for 3rd year of Science*


This course is the third part (3 of 3) of the Digital Multimedia Design program series. This course will introduce students to web page development techniques and practices. Software for this course includes HTML-5 and CSS3. The students will create a final site, based on client specifications. Web Page design and development will enhance each student's ability to be an active member of today's internet-based society. **(*Free College Credit Agreements are in place that award College Credit after program completion.)*** Students are encouraged to be a member and compete using their skills in our Business Professionals of America (BPA) chapter, the nationally recognized student business organization.

COMPUTER SCIENCE PROGRAM

CYBER SECURITY 1A & 1B – 2 Semester/1 Credit

Grades: 9-12

(Prerequisite: None, however students must pass Cyber Security 1A to continue on to 1B for 2nd semester.)

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 111166 (A)

Information Technology professionals are in high demand. Learning a proper technology foundation is crucial to success in the IT realm. This course will introduce students to tools used in industry and help build their computing industry knowledge. Students will be exposed to various technology topics and introduced to cybersecurity. As students advance through the content, they will be introduced to tools and concepts in the cybersecurity industry. This class will be interactive, with both virtual and hands-on activities. Industry leaders from the community will further enrich the course as guest speakers. Students will have the opportunity to sit for an industry-accepted certification exam. If the student successfully passes the certification exam, the student could earn potential college credit.

Semester 2 – 111167 (B)

CYBER SECURITY 2 – Dual Enrollment College Course

Grades: 10-12

 *May exchange for 3rd year of Science*

CYBER SECURITY 3 – Dual Enrollment College Course


Grades: 10-12

MONROE HIGH SCHOOL ENGINEERING, MANUFACTURING, & INDUSTRIAL TECHNOLOGY DEPARTMENT

Engineering, Manufacturing, and Industrial Career Pathway


The Engineering/Manufacturing and Industrial Technology (EMIT) Department offers a variety of courses in the Trades, Engineering, and Technical Education fields. Basic courses are offered to give students a general background and preparation for advanced courses in Industrial Technology and/or Career & Technical Education. Students enrolled in these courses will develop employable skills which will prepare them for successful career entry, apprenticeship, trade school, or entry into a college or university engineering program. Each course that is part of a larger program sequence will be listed together with program completion information included.

- **FREE COLLEGE CREDIT opportunities that apply will be noted at the bottom of the course description. Completion of these courses automatically qualifies students for credit at local colleges. Complete information can be obtained from the CTE Office at 734-265-3450.**

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

GENERATION E / INDUSTRIAL TECH PATHWAY – 1 Semester/.5 Credit
(Prerequisite: None) *****NOT OFFERED 2024-2025*****

Grades: 9-12
111016


 Visual, Performing and Applied Arts (VPAA)

This course follows guidelines set forth in the Generation E curriculum program and serves as the foundation for career paths in Architecture, Automotive, Construction, Electro-Mechanical Design/Drones, and Welding. Students will do projects related to engineering and design skills while incorporating an entrepreneurial mindset. Local community support throughout all activities gives students in this class a real-world experience of creating a business from the ground floor up while also giving the opportunity to create something using the tools of the trade.

AUTOMOTIVE TECHNOLOGY (MLR) Maintenance & Light Repair

AUTOMOTIVE TECHNOLOGY 1 – 2 Semesters/1 Credit

Grades: 10-12

 Visual, Performing and Applied Arts (VPAA)

Semester 1 - 122205 (1A)


This course is the first part (1 of 3) of the Advanced Automotive Technology **Semester 2 - 122206 (1B)** (NATEF approved) program series. This course is designed for the student interested in a career in the automotive service industry. The course is structured to provide comprehensive instruction in the theory of operation, diagnosis, and service of the following automotive systems.


- **Mechanical and Thermal Dynamics**
- **Lubrication Systems**
- **Cooling Systems**
- **Engine Design and Operation**
- **Electrical Systems**
- **Ignition Systems**
- **Fuel Systems**
- **Emission Systems**
- **Computer Controlled Vehicle Systems**


- **Automotive Maintenance**

Students will also be introduced to suspension and braking systems. MHS has implemented a National Skills Standards Automotive Technology Program that meets NATEF (National Automotive Technicians Education Foundation) standards. This will better prepare our program completers for ASE Technician Certification.

AUTOMOTIVE TECHNOLOGY 2 – 2 Semesters/2 Credits/2 Periods (Double Block) **Grades: 11-12**
(Prerequisite: Automotive Technology 1, Teacher Interview) **Semester 1 - 122011 (2A)**

 *Fourth year math elective, if enrolled as a senior* **Semester 2 - 122012 (2B)**

 *Visual, Performing and Applied Arts (VPAA)*

 *May exchange for 3rd year of Science*


This course is the second part (2 of 3) of the Advanced Automotive Technology (*NATEF approved*) program series. This course is designed to prepare students for Automotive Service Certification (A.S.E.) or continuing education in the field of automotive engineering, design, and development. The course is structured to provide advanced instruction and training opportunities in the following areas.

- **Engine Diagnostic Systems and Equipment**
- **Engine and Power Train Control Systems**
- **Engine Design Modification Techniques**
- **Automotive Air Conditioning and Climate-Control Systems**
- **Vehicle Electrical Systems**
- **Alternative Power Sources**
- **Automotive Air Conditioning and Climate-Control Systems**
- **Computer Diagnostics**

The theory of operation, testing and diagnostic procedures, as well as industry-standard service techniques, will be part of the instructional process. This course includes the use of advanced level/industry standard diagnostic equipment. MHS has implemented a National Skills Standard Automotive Technology Program that meets NATEF (National Automotive Technicians Education Foundation Standards).

AUTOMOTIVE TECHNOLOGY 3 – 2 Semesters/2 Credits/2 Periods (Double Block) **Grade: 12**
(Advanced Automotive Systems/Performance) **Semester 1 - 122213 (3A)**
(Prerequisite: Automotive Technology 2 Teacher Interview) **Semester 2 - 122214 (3B)**

 *Fourth year math elective, if enrolled as a senior*

 *Visual, Performing and Applied Arts (VPAA)*

This course is the third part (3 of 3) of the Advanced Automotive Technology (*NATEF approved*) program series. This course is designed to prepare students for Automotive Service Certification (A.S.E.) or continuing education in the field of automotive engineering, design, and development. The course is structured to provide advanced instruction and training opportunities in the following areas.


- **A.B.S. Braking Systems**
- **Computer Controlled Steering and Suspension Systems**
- **Vehicle Design Characteristics**
- **Performance Modifications Theory and Operation**

The theory of operation, testing and diagnostic procedures, as well as industry standard service techniques, will be part of the instructional process. This course includes the use of advanced level/industry standard diagnostic equipment. MHS has implemented a National Skills Standard Automotive Technology Program that meets NATEF (National Automotive Technicians Education Foundation Standards). **(*Free College Credit Agreements are in place that award College Credit after program completion.*)**


CONSTRUCTION TRADES PROGRAM

CONSTRUCTION TRADES 1 – 2 Semesters/1 Credit/1 Period

Grades: 10-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 122225 (1A)

 *May exchange for 2nd year World Language*

Semester 2 – 122325 (1B)

This course is the first part (1 of 3) of the Construction Trades program series.

This course will introduce students to various careers in the building trades. It includes study of the various careers, math, writing, and hands-on experience. Course content includes safety, measurement, working with various trade modules (carpentry, masonry, electrical, plumbing, roofing, siding, drywall, insulation, and floor coverings), working with basic hand and power tools, basic building concepts in all the trades, and hands on experience in all the trades. “Green Construction” technology will be applied throughout the Construction program sequence.


CONSTRUCTION TRADES 2 (Advanced) – 2 Semesters/2 Credits/2 Periods (Double Block) **Grades: 11-12**


(Prerequisite: Construction Trades 1, Teacher Interview)

Semester 1 – 122221 (2A)

 *Fourth year math elective, if enrolled as a senior*

Semester 2 – 122231 (2B)

 *Visual, Performing and Applied Arts (VPAA)*

 *May exchange for 3^d year of Science*

This course is the second part (2 of 3) of the Construction Trades program series. This course is set off-campus at an actual construction site, building a home that will be inhabited by members of the local community. All aspects of home building, from the foundation to the roof shingles will be experienced by the students. Students will also work hand-in-hand with general contractors who are brought in to do work in areas requiring licensure, (electrical, plumbing, heating/cooling, etc.). **After completing Construction Trades 2 – student is a Completer.

CONSTRUCTION TRADES 3 (Advanced Home Building) –

Grade: 12


2 Semesters/2 Credits/2 Periods (Double Block)

Semester 1 – 122223 (3A)

(Prerequisite: Construction Trades 2, Teacher Interview)

Semester 2 – 122234 (3B)

 *Fourth year math elective, if enrolled as a senior*


 *Visual, Performing and Applied Arts (VPAA)*

This course is the second part (3 of 3) of the Construction Trades program series. This course allows students to receive advanced skill training in the areas of home construction. Students will work as part of the “Home Building Team” with Construction Trades 2 students at the local construction site. Instruction approval is required to be enrolled in this class. **(Upon completion of all three courses, students may be able to skip the State’s 60-hour pre-license course and take the Michigan State Builders License test. Upon passing the test, students will have their own Builder’s License.)** (*Free College Credit Agreements are in place that award College Credit after series completion.*)

DRAFTING & DESIGN TECHNOLOGY PROGRAM

DRAFTING & DESIGN 1A & 1B (BEGINNING ENGINEERING) – 2 Semesters/1 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 127775 (1A)

This is a beginning course in drafting, for students to explore the various applications and careers within the Computer Aided Drafting & Design (CAD) field. Students will be using the Solidworks software to design both 2D and 3D designs while exploring engineering careers. This course is very hands-on as we use real-world materials to create models both on and off the computer. This class incorporates a wide range of talents including art, critical thinking, and computer skills. If you like to design and learn new software and project-based classes, this class is for you. *A grade of “C” or better is required to move on to additional courses in this program.*


Semester 2 – 127776 (1B)

DRAFTING & DESIGN 2A & 2B (ADVANCED ENGINEERING) – 2 Semesters/1 Credit

Grades: 10-12


(Prerequisite: Drafting & Design 1 Grade “C” or above)

Semester 1 – 127771 (2A)

 *Visual, Performing and Applied Arts (VPAA)*

Semester 2 – 127772 (2B)


 *Fourth Year Math Elective, if enrolled as a Senior*

 *May exchange for 3rd year of Science*

This is an advanced course in both architecture and mechanical engineering for students interested in residential or commercial design and manufacturing careers. Projects in this course include a bridge design competition and designing a house for the Trojan Build Design Competition, where cash prizes are awarded and the winning design has the opportunity to be next year’s build. *A grade of “C” or better is required to move on to additional courses in this program.*

HOUSING & INTERIOR DESIGN – 1 Semester/.5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

150055


This is a beginning course in Housing and Interior Design. The projects include Traffic Flow Patterns, Elements & Principles of Design, the Color Wheel, Floor Plan Layouts, Housing Styles, Lighting, Furniture, and more. This course includes projects such as creating storyboards, your own furniture designs, and floor plans to meet client needs. Students are engaged in a wide variety of real-world activities from house hunting to event decorating. Learn to use critical and creative thinking to make decisions and solve obstacles that are common with Interior Design.

INTRODUCTION TO ELECTRICAL TECHNICIAN – 2 Semesters/2 Credits (Double Block)


Grades: 11-12

(Prerequisite: Successful completion of Math 1 with a ‘C’ or higher)

Semester 1: 122410 (A)

 *Visual, Performing and Applied Arts (VPAA)*

Semester 2: 122411 (B)

 *May exchange for 3rd year of Science*

 *Fourth year Math Elective, if enrolled as a Senior*


This course is designed for students who are interested in learning about a career as an electrician or as an electrical engineer. The course will cover the fundamentals of troubleshooting electrical circuits, and hands-on electrical construction. Students will learn about safety, basic electrical theory (AC and DC), Ohm’s Law, reading schematic drawings, electrical component identification and functions, sources of electrical power, motors, power distribution, and basic solid-state devices. Students will also cover AC/DC motor controllers, variable frequency drives and programmable logic controllers and national electrical codes.

This course will take place at Monroe County Community College during periods 1 and 2. Transportation will be provided.

WELDING TECHNOLOGY PROGRAM

WELDING 1 – 2 Semesters/1 Credit/1 Period

Grades: 10-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 122355 (1A)

WELDERS ARE IN HIGH DEMAND! This course is part one (1 of 3) of the Welding Technology program series. This course is for students interested in a career in welding or the manufacturing industry. Students will develop entry-level skills in the areas of Shielded Metal Arc Welding (SMAW or Stick), Shop Safety, Gas Metal Arc Welding (GMAW or Wire), Gas Tungsten Arc Welding (GTAW), Oxy-Fuel Welding and Cutting, Plasma Arc Cutting, Soldering, correct use of welding tools and equipment, as well as learning to weld in various welding positions. This class helps to prepare students to enter a Welding Engineering or Mechanical Engineering occupation. Combined with the second-and third-year courses, *Basic Principles of Welding and Welding Applications and Certification*, the student should be prepared for *Entry Level Welder Certification*, as defined by American Welding Society QC10. Students will also have an opportunity to experience our state-of-the-art virtual welder.

Semester 2 – 122356 (1B)

WELDING 2 (ADVANCED) – 2 Semesters/2 Credits/2 Periods (Double Block)


Grades: 11-12


Prerequisite: Welding 1, Teacher Interview

Semester 1 – 122261 (2A)

 *Fourth year math elective, if enrolled as a senior*

Semester 2 – 122262 (2B)

 *Visual, Performing and Applied Arts (VPAA)*

 *May exchange for 3rd year of Science*

This course is part two (2 of 3) of the Welding Technology program series. In addition to continuing to increase skills and knowledge in areas already covered, Oxygen-Fuel Welding and Cutting (OAW & OFC), and both manual and programmable CNC Plasma Cutting (PAC) techniques and procedures are learned. Concentrated skill-building using advanced Structural Steel Welding processes (AWS Welding Code D1.1) will be covered. Students will also continue applying mathematics, welding symbol interpretation, print reading skills while applying the work ethics expected for employment in the welding field. Students are required to complete a minimum of one project-based assignment during the course. The Welding Career Path is presently one that is showing an incredible growth potential in our area. Successful students can find employment in many trade areas, and the manufacturing industries.

WELDING 3 (ADVANCED SKILLS) – 2 Semesters/2 Credits/2 Periods (Double Block)


Grade: 12

Prerequisite: Welding 2, Teacher Interview

Semester 1 – 122263 (3A)

 *Fourth year math elective, if enrolled as a senior*

Semester 2 – 122264 (3B)

 *Visual, Performing and Applied Arts (VPAA)*

This course is part three (3 of 3) of the Welding Technology program series. While continuing to increase skills and knowledge in areas already covered, Gas Tungsten Arc Welding (GTAW), and Shielded Metal Arc (SMAW) Pipe Welding techniques are learned by students. Students will also learn metal fabrication and exotic metal welding techniques. This course is the capstone of the Welding Series and provides students with the advanced skills needed by welders. Students will also continue applying mathematics, welding symbol interpretation, and print reading skills while applying the work ethics expected for employment in the welding field. The Welding Career Path is presently one that is showing an incredible growth potential in our area. Successful students can find employment in many trade areas, and the manufacturing industries. **(*Free College Credit Agreements are in place that award College Credit after series completion.)*** ***Students can receive an American Welding Society (AWS) QC-10 Welding Certification in SMAW, GMAW, FCAW, and GTAW.**

PRECISION MACHINING TECHNOLOGY: DUAL ENROLLMENT

Grade: 12

(Prerequisites: Must be a Senior, on track to graduate and fill out an application to participate, attend an informational meeting at the college with a parent or guardian and go through an interview. Due to space limitations, the course is capped at 15 students per year, countywide. Students must have reliable transportation, a 2.5 GPA [2.0 may be considered with college instructor approval] college readiness recommendations by a counselor and at least one teacher.)

Semester 1 – 999333 (A)

Semester 2 – 999334 (B)

The Precision Machining is offered countywide and is a dual enrollment program. The program is a one-year program, 2 college semesters, 2 courses earning 6 credit hours each semester.

The machine industry is a diverse, high-tech, and fast-paced industry made possible by highly skilled individuals and machinery. If you are mechanically inclined, like to work hands-on, and enjoy troubleshooting and problem-solving, this program is for you. The program covers precision instruments and measurement, equipment setups and operations of machining processes. Lab projects and activities provide students with the opportunity to apply to build up many skills learned. The program is delivered on the Monroe County Community College Campus.

ENGINEERING, MANUFACTURING & INDUSTRIAL CO-OP –

Grades: 11-12

1 or 2 Semesters/.5 Credits per hour of Co-Op. See Co-Op Coordinator for hours available.

999883


Prerequisite: Currently enrolled in or completed a related T&I class and Co-Op Coordinator approval.

T&I Co-Op is a coordinated work experience program in an array of related trade and industrial fields. The Co-Op Coordinator places the student in a work experience that is close to his/her occupational interest and goal. Students are released from school to attend work and are supervised and graded by their employer and their Co-Op Coordinator.

MONROE HIGH SCHOOL HUMAN SERVICES DEPARTMENT

Human Services Career Pathway

The goal of the Health and Human Services Department is to enable students to gain skills and knowledge in their lives and the lives of their families in the changing professional and technical world. Preparing for the numerous careers in Health and Human Services is an important step towards success in today's economy. Each course that is part of a larger program sequence will be listed together with program completion information included.

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).


HUMAN SERVICES

PICTURE BOOKS AND PRESCHOOLERS – 1 Semester/.5 Credit

Grades: 10-12

(This class is linked to Future Educators 1 and is a full year course)

155505

 *Visual, Performing and Applied Arts (VPAA)*

This class is an excellent opportunity for students interested in career in education, childcare, pediatrics, or child psychology/counseling. This one-semester course examines how children become ready to learn how to read and develop as learners. Students will investigate child development and psychology as it relates to literacy and learning as well as various pre-reading strategies like lap reading, reading aloud, and storytelling. Students will examine how to select a picture book in the format of an analysis paper. Students will read with preschoolers off-site to practice these strategies after extensive in-class training and research. We will examine a variety of professional sources to determine what skills preschoolers must have, to be ready to learn when they attend Kindergarten and beyond. Students should expect to read, discuss, and write each day in class.


FUTURE EDUCATORS 1 – 1 Semester/.5 Credit

Grades: 10-12

(Formerly Education Foundations)

155555

(Prerequisite: Picture Books and Preschoolers)


 *Visual, Performing and Applied Arts (VPAA)*

This course continues the opportunity for students to explore careers in education, childcare, pediatrics, or child psychology/counseling. Students will examine the unique characteristics of children at various ages and stages of development and choose an age group to focus on. The students will gain knowledge that enables him/her to decide whether working with children or in the field of education is a suitable, personal career goal; develop and show responsibility in work performance; learn how to study the growth and development of children; recognize the physical, social, emotional, and intellectual abilities and needs of children; understand how children learn, and the importance of play in their development; and learn how parents and teachers influence the growth and development of the child. Students will practice skills learned by working with a Young 5's class approximately one day per week during the semester.

FUTURE EDUCATORS 2 – 1 Semester/0.5 Credit
(Formerly Education Foundations 2)

Grades: 11-12
166666

(Prerequisite: Picture Books and Preschoolers and Future Educators 1)


 *Visual, Performing and Applied Arts (VPAA)*


This course continues the opportunity for students to explore careers in education, childcare, pediatrics, or child psychology/counseling. Students will learn about effective classroom management; an understanding of how education history affects education today; gain knowledge about barriers to learning and disabilities; instructional strategies; lesson plan writing and presentation; student assessment; career planning, and about technology in education. The student will gain this knowledge through classroom work and field experiences in a variety of school settings.

FUTURE EDUCATORS 3 – 1 Semester/1 Credit /Double-Block

Grades: 11-12
177777

(Prerequisite: Picture Books and Preschoolers and Future Educators 1, and Education Foundations 2.)

 *Visual, Performing and Applied Arts (VPAA)*

 *May exchange for 3rd year of Science*

This capstone course will expand knowledge of the teaching field through advanced lesson planning, career exploration, job shadow observations, and advanced field placement experiences. The student will choose their age level to focus their learning on early childhood or primary/secondary education.

LAW ENFORCEMENT AND PUBLIC SAFETY – 2 Semesters/2 Credits/Double-Block

Grades: 11-12
199999


(Prerequisites: Must be a Junior or Senior, on track to graduate, fill out an application to participate, have a clean driving record, attend an informational meeting at the ISD with a parent or guardian and go through an interview. Due to space limitations, the course is capped at twenty students per year, countywide. Students must have reliable transportation, a 2.0 GPA, and submit 2 letters of recommendation from a counselor and at least one instructor.)

The program is offered on the ISD's campus and meets daily for 90 minutes.

Public Safety & Services is a one-year program that introduces students to the many careers in public safety including Law Enforcement, Corrections, 911 Dispatch, Probation/Parole, Forensic Science, and others. The curriculum consists of hands-on experiences focusing on a code of ethics, community service projects, physical and mental health fitness, work exploration and field trips relating to various forms of public safety & services. Students will engage in many opportunities to demonstrate self-discipline, leadership skills, teamwork, including the use of clear written and oral communication skills. Students will have the opportunity to earn certifications in CPR, AED basic and First Aid.

INTERPERSONAL RELATIONSHIPS – 1 Semester/.5 Credit

Grades: 9-12
155005

 *Visual, Performing and Applied Arts (VPAA)*

This personal development course is designed to help the student meet the challenges of daily life with confidence. The focus is to help each person develop a range of skills related to interpersonal and family relationships. Basic human needs will be discussed and how we respond to them to gain a better understanding of our own priorities and goals. Included in the course will be the development of knowledge and skills for personal growth, including the importance of positive self-concept and self-

esteem, practical problem-solving techniques, dealing with stress, good communication skills, conflict resolution, positive and negative relationships, and the impact and signs of physical and mental abuse.

PARENTING – 1 Semester/.5 Credit

Grades: 10-12

(Prerequisite: Suggested – satisfactory completion of Health)

150065

The Parenting course includes information regarding the human body, including reproduction, sexually transmitted diseases, family planning, and pregnancy. Conditions influencing the intellectual, social, emotional, and physical development of children will be covered. The process of deciding to become a parent, instruction in parent-child relationships and parenting practices, examination of parenting issues, recognizing the special needs of children, and parental and environmental influences on child development that are important to raising healthy children will be the focus of the course. Students will be required to participate in the RealCare Baby Simulator Program, an integral tool in parenthood education. RealCare Baby makes it possible for students to practice caring for an infant for a designated period of time in order to gain indispensable parenting skills.

PREPARING FOR THE REAL WORLD – 1 Semester/.5 Credit

Grade: 12

In this project-based personal living course, emphasis is placed on the young adult who is planning on establishing his/her own residence after high school whether it will be college, single living, marriage, or the military. This class will help develop a range of basic skills from looking at your personal priorities, goals, and standards, to helping you get and keep your job/career choice. In addition, students will finish the course with a better understanding of using financial services such as checking/savings accounts, credit management, and understanding your check stub. Research into housing options, learning to choose and care for clothes, and better nutrition choices will be explored.

150075

POSITIVE PEER INFLUENCE – 2 Semesters/.5 Credit

****Offered during TFT****

Grades: 10-12

(Prerequisite: Teacher Approval Required)


A student is selected for this course after a teacher recommendation is given.

The student must attend a leadership camp offered in the spring of each year. The course offers a student the opportunity to learn conflict resolution skills, leadership traits, in addition to the process of communication with others. A grade is given.

FASHION DESIGN PROGRAM

FASHION DESIGN 1 – 2 Semesters/1 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 155085 (1A)

This is a prerequisite course (1 of 3) for the Fashion Design Program

Semester 2 – 156085 (1B)


In this beginning sewing class, students will make projects such as a pin cushion, fabric pumpkin, pillow, drawstring bag, wallet and shorts. The student will learn proper machine operation, terminology, and safety. Students will also learn the basics of fibers and fabrics, color, elements of design, draw a fashion sketch, basic hand sewing, embroidery and fasteners. Some supplies may be needed for personal projects.

FASHION DESIGN 2 – 2 Semesters/1 Credit

Grades: 10-12

(Prerequisite: Fashion Design 1 – ‘C’ or better)

Semester 1 – 155086 (2A)

 *Visual, Performing and Applied Arts (VPAA)*

Semester 2 – 155087 (2B)

 May exchange for 3rd year Science

 4th year Math elective, if enrolled as a Senior

This is the second course (2 of 3) for the Fashion Design Program sequence. In the first semester, the student will complete one major wearable project (Apron) from a commercial pattern. Students will learn garment parts and styles, history of fashion, continued knowledge of the principles of design and fashion sketches. Pattern reading, symbols, construction samples and understanding guide sheets will be included. In the second semester, students will construct a sewing project of their choice, with continuing degrees of difficulty. Emphasis will be placed on fashion trends and cycles, the retail and merchandizing market, window displays, fashion designers, fashion careers, alterations, and repurposing garments. A fashion portfolio will also be developed by each student.

FASHION DESIGN 3 (Textile Art, Quilting) – 2 Semesters/1 Credit


(Prerequisite: Fashion Design 2 – ‘C’ or better)

Grades: 11-12

Semester 1 – 155090 (3A)

 Fourth year math elective, if enrolled as a senior

Semester 2 – 155091 (3B)

 Visual, Performing and Applied Arts (VPAA)

This is the third course (3 of 3) for the Fashion Design Program sequence. Students will construct their own major quilted project using fabric of their choosing. The creative process will include designing, graphing, calculation of yardage, cutting and construction of the quilt. All parts of a quilt will be discussed including history, color, seaming, pressing, and terminology. **(*Free College Credit Agreements are in place that award College Credit after program completion.*)**

COSMETOLOGY 1 & 2 – 2 Semesters per yr./6 periods/3 credits/Double-Double Block **Grades: 11-12**
MICHIGAN COLLEGE OF BEAUTY

(Prerequisite: Good Attendance, MCB Interview, must provide own transportation)

 Fourth year math elective, if enrolled as a senior

Cosmetology 1: 120121 / 120122

 May exchange for 3rd year Science after Cosmetology 2

Cosmetology 2: 120123 / 120124


This is a two-year, 8 credit – 1,500-hour course designed to prepare students for professional employment as a hairstylist, hair color specialist, permanent waver, hair cutter, and manicurist. The students not only learn theoretical concepts during 215 classroom lecture hours, but they must also apply those concepts, during 1,095 hours of laboratory work and clinic practice under the direct supervision of expert instructors. The student is taught employability skills for entry into the beauty industry and prepared for the State Licensing examination. **Classes are taught at the Michigan College of Beauty in Monroe, Michigan, Tuesday through Friday from 12:45-4:30 PM and Saturday from 8:00 AM – 4:00 PM.** Students must provide their own transportation.

MONROE HIGH SCHOOL HEALTH SCIENCES DEPARTMENT

Health Sciences Career Pathway

The Health Sciences Programs offered at Monroe High School allow students an opportunity to explore the healthcare field where there are many employment choices. This area continues to be the fastest-growing career field in the State of Michigan and can lead to a rewarding future as a healthcare professional. The Certified Nursing Assistant (CAN) program allows students to work towards a state certification, allowing immediate employment after high school as a Nurse Assistant. Each course that is part of a larger program sequence will be listed together with program completion information included.


- **FREE COLLEGE CREDIT opportunities that apply will be noted at the bottom of the course description. Completion of these courses automatically qualifies students for credit at local colleges. Completion information can be obtained from the CTE Office at 734-265-3450.**

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

HEALTH SCIENCE PROGRAM

HEALTH OCCUPATIONS 1 – 2 Semesters/1 Credit/1 Period

Grades: 10-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 122281 (1A)

This course is the first part (1 of 4) in the Health Sciences curriculum

Semester 2 – 122282 (1B)


series. The course is designed to provide students with basic entry-level knowledge and skills required for a successful career in healthcare. Students will explore a variety of healthcare occupations as an introduction to available careers. General instruction is also provided in communication and employability skills, teamwork and leadership within a healthcare setting, and legal and ethical issues pertaining to healthcare workplace. Safety, as it relates to healthcare, and technical skills required for entry-level careers in patient care will be concentrated on throughout the health science program series. Infection control techniques, CPR, and first aid are also areas of instruction.

HEALTH OCCUPATIONS 2 (MED TERMS) – 2 Semesters/1 Credit/1 Period


Grades: 10-12

(Prerequisite: Health Occupations 1 or can be taken concurrent with HO1)

Semester 1 – 122235 (2A)

 *Visual, Performing and Applied Arts (VPAA)*

Semester 2 – 122335 (2B)

 *May exchange for 3rd year of Science*

 *Fourth year Math elective, if enrolled as a Senior*

This course is the second part (2 of 4) in the Health Sciences program series.

The course is designed to help prepare students for further studies in the healthcare field. Upon completion of this course, the student will be able to identify, spell, and define medical terms related to the structure, diagnosis, pathology, and treatment of the major body systems. This is a college level course taught with a college textbook.

HEALTH OCCUPATIONS 3 (NURSING ESSENTIALS) – 2 Semesters/1 Credit/1 Periods Grades: 11-12

(Prerequisite: Health Occupations 2-Medical Terminology, Semester 1 – 123191 (3A)
Anatomy & Physiology preferred, student records review and teacher interview.) Semester 2 – 123192 (3B)

 *Fourth year math elective, if enrolled as a senior*

The purpose of this course is to further expand on the knowledge and practice of communication and teamwork skills needed in the health care setting. Students will learn many technician skills for the basic care of residents/patients. Students will be exposed to an in-depth look at the field of nursing across multiple clinical disciplines and educational levels. This class will include field trips to enrich student growth and understanding. Students will prepare for certification as a Patient Care Technician through NHA (National Healthcare Association) and have the opportunity to sit for the certification exam.

HEALTH OCCUPATIONS 4 (CLUSTERS) – 1 Semester/2 Periods/1Credit (Double Block) Grades: 12

(Prerequisite: Health Occupations 2-Medical Terminology, student records review and teacher interview.)

 *Fourth year math elective, if enrolled as a senior*

123275

 **Visual, Performing and Applied Arts (VPAA)**

This course is the fourth part (4 of 4) in the Health Sciences program series. The purpose of the program is to expose students to the professional expertise of the Promedica Monroe Regional Hospital staff and state-of-the-art equipment. Students will have an opportunity to assist and observe healthcare providers while they deliver services. Those areas participating in the educational experiences may include, but are not limited to: Ambulatory, Cardiac Rehabilitation, Central Transport, Community Relations, Dietary Services, Emergency Department, Laboratory Neurodiagnostics, Sleep Lab, Nursing, Obstetrics, Pharmacy, Pediatrics, Radiology Services, Rehabilitation Services, Occupational Therapy, Physical Therapy, and Respiratory Therapy. A student records review, by a panel, must show that each student has no history of substance abuse, violent behavior, insubordination, or harassment/intimidation/bullying behaviors. Each student must also have a good attendance and tardiness record. Our partnerships with local Health and Medical Clinic sites require that no evidence of inappropriate behavior is displayed on any social media site by students. A personal interview with the teacher may be required before admittance to the program to ensure that the student is aware of the type of duties required while attending the program. **(*Free College Credit Agreements are in place that award College Credit after program completion.*)**

HEALTH SCIENCES CO-OP

Grades: 11-12

1 or 2 Semesters / .5 credits per hour of Co-Op. See Co-Op Coordinator for hours available.

999882

(Prerequisite: Currently enrolled in or completed a Health Sciences course and Co-Op Coordinator Approval.)

Health Occupations Co-Op is a coordinated work experience program in health-related fields. The Co-Op Coordinator places the student in a work experience that is close to his/her occupational interest and goal. Students are released from school to attend work and are supervised and graded by their employer and their Co-Op Coordinator.

MONROE HIGH SCHOOL LANGUAGE ARTS DEPARTMENT

All Career Pathways

The language arts program is designed to meet the needs of students with varied backgrounds and experiences. Students are required to complete, with a passing grade, four years (4.0 credits) of language arts from grades 9 through 12. All language arts classes are holistic in their approach and give the students an understanding of language and its many forms of expression needed for employment, college, life experience, and participation in a democratic government.

In the freshman and sophomore years, one level of study is offered, Freshman and Sophomore English. These courses prepare students for the sequence of courses offered in junior and senior years. Freshman and Sophomore English provide a foundation of literature, process writing, and verbal communication. The focus of **study in ninth and tenth grade is multi-genre literature.**

In the **junior year**, students have **two choices: AP English 11 or Junior English.** AP English 11 is for students who are considering the Advanced Placement English course in the 12th grade. This is an academically accelerated course requiring the completion of an extensive reading list prior to the beginning of the course. The focus of Junior English is on American Literature. (See AP requirement on page 8).

Seniors also have **two choices: Advanced Placement English or Senior English.** Advanced Placement is for students who want to take the Advanced Placement exam for college credit. This is an academically accelerated course and requires the completion of an extensive reading list. Senior English focuses on World Literature. (See AP requirement on page 8.)



A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

ENGLISH AS A SECOND LANGUAGE (ESL) 1 – 2 Semesters/1 Credit

Grades: 9-12

(Students please note that in order to take any ESL courses, you must be eligible based on a language proficiency assessment.)

Semester 1 – 140211 (1A)

This course is designed to provide assistance to students whose first language is not English and/or whose home language is not English. The focus of ESL 1 will be to help students develop conversational and academic English skills that will enable them to function in the classroom and attain the various objectives of the content area and elective courses in which they are enrolled. This course is recommended for students who are newcomers to this country and/or students who are just beginning to develop their English language proficiency. More proficient ELL students may enroll however if their schedule does not allow them to enroll in ESL 2.

Semester 2 – 140212 (1B)

ENGLISH AS A SECOND LANGUAGE (ESL) 2 – 2 Semesters/1 Credit

Grades: 9-12

(Students please note that in order to take any ESL courses, you must be eligible based on a language proficiency assessment.)

Semester 1 – 140311 (2A)


This course is designed to provide assistance to students whose first language is not English and/or whose home language is not English. The focus of ESL 2 will be to help students with good conversational English skills to improve their academic English skills thus enabling them to fully attain the goals of the content and elective courses in which they are enrolled. This course is recommended for students who are fairly proficient in conversational English but need assistance with

Semester 2 – 140312 (2B)

academic English skills. Newcomer and less proficient ELL students may enroll in this course if their schedule does not allow them to enroll in ESL 1.


09 ENGLISH – 2 Semesters/1 Credit

Grade: 9

 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 1 – 140031 (A)**
The focus of this course is a multi-genre literature. Language, literature, **Semester 2 – 140032 (B)**
speech, and writing will be woven into academic and human experiences. Short stories, biographies, plays, poems, and essays and personal experiences will be read by students to develop their written and verbal skills. In addition, skills needed for formal research projects are introduced as each student is expected to learn methods of research.


10 ENGLISH – 2 Semesters/1 Credit

Grade: 10

 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 1 – 140041 (A)**
Sophomore language arts continues to focus on multi-genre literature. **Semester 2 – 140042 (B)**
A holistic approach to language arts is the foundation of the course. Language, literature, speech, and writing will be assimilated into academic and human experiences. Students are expected to learn from language models such as novels, short stories, biographies, plays, poems, and essays and draw upon personal experience to develop methods of expression through process writing and verbal presentation. In addition, skills needed for formal research projects are reinforced. Each student is expected to use methods of research.

11 ENGLISH – 2 Semesters/1 Credit


Grade: 11

 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 1 – 140051 (A)**
The reading focus of the course for semester 1 centers primarily on close **Semester 2 – 140052 (B)**
reading non-fiction texts, primarily arguments and the students' abilities to analyze rhetoric. The writing focus for semester 2 centers on the students' abilities to support analysis with textual based evidence. The focus of the course for semester 2 is centered on the interpretation of figurative language. The writing focus for both semesters 1 and 2 is on evidence based claims.

11 ENGLISH AP, ENGLISH LANGUAGE AND COMPOSITION – 2 Semesters/1 Credit **Grade: 11**


(Prerequisite: 'B' or better in English 10)

Semester 1 – 140151 (A)


 AP® English Language and Composition is an introductory **Semester 2 – 140152 (B)**
college-level composition course which focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts from a range of disciplines and historical periods. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. (The College Board, AP® English Course Description, 2020 p. 8). A recommendation from the student's current ELA teacher is strongly encouraged. See AP Language and Composition teacher for summer reading assignment.

NOTE: It is highly recommended that all students taking this class pay for and take the Advanced Placement Test in English Language and Composition at the end of the school year. Successful completion of the test may result in college credit.

12 ENGLISH – 2 Semesters/1 Credit**Grade: 12**

 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 1 – 140081 (A)**
 The literary focus of the course is a survey of world literature from early Greek **Semester 2 – 140082 (B)**
 to modern 21st century. Classical, Medieval, Renaissance, and Modern periods of literature are studied, as well as works from other cultures. A holistic approach to language arts continues to be the foundation of the course. Language, literature, speech, and writing will be assimilated into academic and human experiences. Students are expected to learn from language models such as novels, short stories, biographies, plays, poems, and essays and draw upon personal experience to develop methods of expression through process written and verbal skills.

12 ENGLISH AP, ENGLISH LITERATURE AND COMPOSITION – 2 Semesters/1 Credit**Grade: 12**

 *This course will fulfill the English 12 requirement.* **Semester 1 – 140071 (A)**
 Students are engaged in the close reading of literary works through which they **Semester 2 – 140072 (B)**
 sharpen their awareness of language and their understanding of the writer's craft. Students will develop critical standards for the independent appreciation of any literary work. Writing assignments will focus on the critical analysis of literature and will include essays in exposition and criticism with emphasis on developing an awareness of stylistic devices, subject and audience. The second Semester writing assignments will have the special purpose of preparing the student for the AP exam. See the instructor for any summer reading assignments. **NOTE: It is highly recommended that all students taking this class pay for and take the Advanced Placement Test in English Composition and Literature at the end of the school year. Successful completion of the test may result in college credit.**

12 CTE ENGLISH – 2 Semesters/1 Credit**Grade: 12***(Corequisite: Advanced CTE Class)***Semester 1 - 140021**

This course fulfills one of the graduation requirements outlined by the MMC.

Semester 1 - 140022

This class is geared towards students who are headed to a trade school or into the workforce after graduation. This course combines the knowledge of their advanced CTE classes with the reading, writing, and speaking ECOs found in an English class. Students will use non-fiction texts found in their desired field along with articles, videos, and personal experiences to think critically and problem-solve CTE-based problems as well as research and reflect on their desired future field of study.

CONTEMPORARY NOVEL – 1 Semester/.5 Credit**Grades: 11-12**This course is intended for the proficient and mature reader.**140195**

Students will read a variety of novels from the 20th and 21st centuries. They may read and discuss works by authors such as Alice Sebold, Jodi Picoult, Sara Gruen, and Stephen King. Students may read/study novels with the entire class, within small book clubs, and/or within reading workshops.

CREATIVE WRITING 1 – 1 Semester/.5 Credit**Grades: 9-12**

This one-term elective class is designed for students who like to write and are at a **140135**
 beginning level of creative writing ability. Students will work to improve their skills in the craft of writing in a variety of creative and expository genres. They will learn how to use narrative elements and literary devices. The writing process will be emphasized, and students will be expected to take several pieces of writing through the process, showing evidence of significant revision.

CREATIVE WRITING 2– 1 Semester/.5 Credit**Grades: 9-12***(Prerequisite: Successful completion of Creative Writing 1 or teacher recommendation.)***140136**

This one-term elective class is designed for students who like to write and are at an advanced level of creative writing ability. Student will build on their skills and will work largely **independently** on longer

and/or more complex pieces of writing. This class will operate in a workshop format, and students will assemble a portfolio of their work.

HIGHLIGHTER – 2 Semesters/1 Credit

(Prerequisite: Teacher Approval Required)

Grades: 10-12

Semester 1 – 140111 (A)

Semester 2 – 140112 (B)

Highlighter members must possess a better than average writing ability, a sincere interest in photojournalism, and a keen sense of responsibility. This class is centered around the planning, creation, promotion, and distribution of a single product, but that process involves the cultivation of both business and journalistic skills. Successful completion of a journalism course is helpful, but not mandatory. Students write copy, take photos, design pages, and sell business advertisements. Students may and are encouraged to take this class multiple years in a row.

INTRO TO THEATER – 1 Semester/.5 Credit

Grades: 9-12

Introduction to Theater, (no auditions required), is a course to provide students with general knowledge concerning the art and practice of the theater. Students will study the following areas: history of the theater, observation/sense memory skills, pantomime (very basic), improvisation, stage directions, body positions, vocal production, small set design, and ensemble work. Students will perform in at least one in-class play within the semesters. This course focuses on writing, reading, and performing. In-class participation is essential to assure that students get the most hands-on exposure to the performing arts.

178032

INTRO TO MASS MEDIA COMMUNICATIONS – 1 Semester/.5 Credit

Grades: 9-12

This course is designed for students who wish to explore the influence and impact that various media have on their daily lives. Students will examine the effects of television, social media, the internet, and film, while developing a set of criteria with which to examine them. Units are offered on persuasion, effects of violence, censorship and government regulation, and basic scheduling and electronic media production. Tests, quizzes, projects, and oral presentations will be completed during the Semester.

140115

JOURNALISM – 1 Semester/.5 Credit

Grades: 9-12

In this course, students will become newspaper interns in a fast-paced, active environment. to be successful in this course, a student should be proficient, independent worker, be willing to ask for help, and have adequate writing skills, art or design skills, computer skills and/or camera skills, preferably an A or a B in his/her last English class. Students must be willing to socialize with others and have an interest in the journalism field. This course may lead to advancement onto the Lotus Leaf newspaper staff.

140125

LOTUS LEAF – 2 Semesters/1 Credit

(Prerequisite: Teacher Approval Required)

Grades: 10-12

Semester 1 – 140131 (A)

Semester 2 – 140132 (B)

Students must submit a writing or art sample application to be selected through an interview process. This class is responsible for the production of the school newspaper and broadcast.

MYTHOLOGY – 1 Semester/.5 Credit

Grades: 9-12

Concentrating on world mythology, this course examines the stories of ancient gods, goddesses and heroes of ancient cultures. Stories of heroes and their adventures include Perseus killing Medusa, Hercules performing the 12 labors, and Achilles fighting in the Trojan War. The class also explores some Norse, Native American and myths of other cultures.

140145

SPEECH & DEBATE – 1 Semester/.5 Credit**Grades: 10-12**

The speech portion course will emphasize argumentation, outlining and organizing, and voice control. The debate portion of the course has an emphasis on the skilled use of logic and evidence. Extensive research and multiple oral presentations are required.

140165**TV / MULTIMEDIA BROADCASTING 1 – 1 Semester/.5 Credit****Grades: 10-12**

This course will provide a fundamental understanding of production principles and experience with the video camera, lighting instruments and techniques, microphones, script creation and basic editing. Students will perform assignments both on-camera and off-camera in the studio as well as in the control room. Students will learn program development, field production and crew job skills. assignments and class content may touch on any and all aspects of the Monroe Public School educational community including any of our local business and community partners.

144415**TV / MULTIMEDIA BROADCASTING 2 – 1 Semester/.5 Credit****Grades: 11-12**

(Prerequisite: TV / Multimedia Broadcasting 1)

144416

This course will provide an extension to the broadcasting production principles and experiences that were encountered during the prerequisite course. Projects involving all aspects of TV and Multimedia Broadcasting will be organized and directed by the students in this class. Assignments and class content may touch on any and all aspects of the Monroe Public Schools educational community including any of our local business and community partners.

YOUNG ADULT LITERATURE – 1 Semester/.5 Credit**Grades: 9-10**

Students will read and discuss a variety of young adult novels dealing with teen issues and concerns. Students will study character, setting, plot, language, and theme. Students may read/study novels with the entire class, within small book clubs, and/or within reading workshop.

140185

MONROE HIGH SCHOOL MATHEMATICS DEPARTMENT

All Career Pathways

The Mathematics Department offers a rigorous three-year or four-year sequence of courses for students with varied learning styles and academic interests. Our goal is to enable every student to reach his or her potential in a supportive, academically focused environment. In every mathematics course, we want students to learn what it means to explore and discover mathematics (in essence, what it means to develop the habits of a mathematical mind and to think critically). We believe all students can reach high standards of academic achievement.

Starting with the class of 2028, Monroe High School will offer a traditional sequence of Algebra 1, Geometry, and Algebra 2. Each lesson begins with a lesson-opening exploration to engage in one or more of the Standards for Student Mathematical Practice and each unit features “Mathematical Modeling in 3 Acts” to engage students through authentic mathematical modeling and real-world scenarios. Each class has ample opportunities for individual practice.


Students who have already begun the integrated sequence named Math 1, Math 2, and Math 3 will continue this sequence. These courses offer the same content found in the Algebra 1, Geometry, and Algebra 2 sequence, but the content is simply reordered so the students see some algebra, some geometry and/or trigonometry, and some statistics and/or probability each year. Also, the content in this sequence is taught in a more contextual manner (meaning that the content is often introduced by exploring where the topic might be found in “real life”).

The Mathematics Department supports the use of calculators. While a calculator is not always appropriate, calculator use is important in any area of the math curriculum. Most courses and all advanced courses require the use of at least a scientific calculator. Many courses rely on graphing calculators. Some classroom sets of calculators are available, but at some point, the student may find it beneficial to have his/her own graphing calculator. All of our courses actively integrate graphing calculator technology with the traditional curriculum. Although the MHS Mathematics Department does not specifically endorse any particular manufacturer, the TI-83, TI-84, and TI-84 Plus are the models that most teachers will use in the classroom and for demonstration purposes. If you are considering the purchase of another manufacturer’s graphing and/or scientific calculator, please address any questions regarding calculator purchase to your teacher to ensure it meets the needs of your particular class.



A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

ALGEBRA 1A / 1B – 2 Semesters/1 Credit**Grades: 9-10**

 This course fulfills one of the graduation requirements outlined by the MMC.

Semester 1 – 150325 (1A)**Semester 2 – 150326 (1B)**

This course is designed to introduce students to a variety of mathematical concepts. Topics include solving equations and inequalities, linear equations, linear functions, systems of linear equations and inequalities, piecewise functions, exponents and exponential functions, polynomials and factoring, quadratic equations, solving quadratic equations, working with functions, and statistics. A graphing calculator is recommended but not required. This course begins preparing you for success on the 11th grade MME. Students successfully completing this course should enroll in Geometry. Students who do not successfully complete Algebra 1 must enroll in E2020, summer school, or re-enroll the following year.

MATH 2A / 2B – 2 Semesters/1 Credit**Grades: 9-11**

(It is recommended that a graphing calculator [TI-83 Plus, TI-84 Plus, and/or TI-89] be purchased for this class.)

Semester 1 – 160325 (2A)**Semester 2 – 160335 (2B)**

 This course fulfills one of the graduation requirements outlined by the MMC.

This course continues to introduce students to a variety of mathematical concepts that they began exploring in Math 1. Topics include direct and inverse variation, systems of linear equations, analytic geometry, regression and correlation, quadratic functions, logarithmic functions, trigonometry, and probability. A graphing calculator is recommended but not required. This course continues preparing you for success on the 11th grade MME. Students successfully completing this course should enroll in Math 3. Students who do not successfully complete Math 2, and because it is a building block for all other math courses, must enroll in E2020, summer school, or an online course.

MATH 3A / 3B – 2 Semesters/1 Credit**Grades: 10-12**

(It is recommended that a graphing calculator [TI-83 Plus, TI-84 Plus, and/or TI-89] be purchased for this class.)

Semester 1 – 160325 (3A)**Semester 2 – 160335 (3B)**

 This course fulfills one of the graduation requirements outlined by the MMC.

This course continues to introduce students to a variety of mathematical concepts building on what they have seen in Math 1 and Math 2. Topics include reasoning and proof, inequalities and linear programming, similarity and congruence, samples and variation, polynomial and rational functions, circles and circular functions, recursion and iteration, and inverse functions. A graphing calculator is recommended but not required. This course finishes preparing you for success on the 11th grade MME. Students successfully completing Math 3 with a grade of B or higher and interested in taking AP Calculus or in exploring topics beyond the expected high school curriculum should enroll in AP Pre-Calculus.

Students successfully completing Math 3 and enrolling in AP Pre-Calculus should also consider taking AP Statistics concurrently with AP Pre-Calculus. Students who do not successfully complete Math 3 must enroll in E2020, summer school, or re-enroll the following year.

PRE-CALCULUS A/B, ADVANCED PLACEMENT – 2 Semesters/1 Credit**Grades: 11-12***Recommended that student receive a 'B' or higher in Math 3.***Semester 1 – 160121 (A)***(Guidance Counselor and Teacher Recommendation)***Semester 2 – 160122 (B)***(It is recommended that a graphing calculator [TI-83 Plus, TI-84 Plus, or TI-89] be purchased for this class.)* *This course fulfills one of the graduation requirements outlined by the MMC.* *Fourth Year Math Elective, if enrolled as a Senior*

This is an advanced math course that continues to build and deepen the knowledge of what students have seen in Math 1, Math 2, and Math 3. This course is a pre-calculus transition to college mathematics, statistics, or calculus. Topics include functions, polynomial functions, rational functions, exponential functions, logarithmic functions, trigonometric functions, polar functions, equivalent trigonometric representations, parametric functions, vectors, matrices, linear transformations, and matrix-vector functions. Time permitting, the course will conclude with an introduction to calculus. A graphic calculator is recommended. Students successfully completing Pre-Calculus should consider moving on to AP Calculus AB or AP Calculus BC (and/or AP Statistics, if they are not taking this currently with Pre-Calculus) to further their college-prep work in mathematics.

NOTE: It is expected that all students taking this class pay for and take the Advanced Placement test in Pre-Calculus at the end of the school year. Successful completion of the test may result in college credit. (See AP Requirement on page 6.) (This course is for students originally intending to take Math 4.)

CALCULUS AB A / AB B, ADVANCED PLACEMENT – 2 Semesters/1 Credit**Grade: 12****1st & 2nd Semester Required****Semester 1 – 160021 (A)***(Prerequisite: "C" or better in Math 4)***Semester 2 – 160022 (B)** *Fourth Year Math Elective, if enrolled as a Senior.**(It is recommended that a graphing calculator [TI-83 Plus, TI-84 Plus, or TI-89] be purchased for this class.)*

This is a college-level course that covers the material of differential and integral Calculus. Specific topics include basic derivatives and integrals as well as those of exponential, logarithmic, and trigonometric functions. Applications of derivatives and integrals, L'Hopital's Rule, differential equations, and slope fields are also covered. As this is a college-level course, students should expect to meet high expectations of quantity and quality of work.

NOTE: *It is expected that all students taking this class pay for and take the Advanced Placement test in Calculus at the end of the school year. Successful completion of the test may result in college credit. (See AP Requirement on page 6.)*

CALCULUS BC A / BC B, ADVANCED PLACEMENT – 1 Credit Possible**Grade: 12****1st & 2nd Semester Required****Semester 1 – 160031 (A)***(Prerequisite: "C" or better in Math 4)***Semester 2 – 160032 (B)***(It is recommended that a graphing calculator [TI-83 Plus, TI-84 Plus, or TI-89] be purchased for this class.)* *Fourth Year Math Elective, if enrolled as a Senior.*

This is a college-level course that covers the material of differential and integral Calculus. Students should expect to meet high expectations of quantity and quality of work. All topics found in the AP Calculus AB course (above) are covered as well as partial fractions, integration by parts, improper integrals, polar coordinates, sequences, series, Taylor polynomials, and vectors. It is assumed that all students taking AP Calculus BC will recall their work in their Math 4 class (see above) or are proficient in limits, continuity, the Intermediate Value Theorem, and finding the slopes of lines tangent to a curve.

NOTE: It is expected that all students taking this class pay for and take the Advanced Placement test in Calculus at the end of the school year. Successful completion of the test may result in college credit. (See AP Requirement on page 6.)

COMPREHENSIVE MATH 1 - SKILLS – 1 Semester/.5 Credit

Grade: 12

(Taken if average math scores are below a 'C')

167090

(Students should seek guidance from their junior-year math teacher when considering this course.)

 *Fourth Year Math Elective, if enrolled as a Senior.*

This class is designed for students planning to take Math 090 Basic Mathematics Skills at MCCC and/or hoping to test out higher than Math 090 on the Accuplacer Test. It will cover operations with whole numbers, whole number and decimal fractions, ratio and proportion, percent, introduction to variables and algebraic concepts, emphasis on problem-solving skills, vocabulary comprehension, real-world applications, and calculator fundamentals. Some topics are likely to be completed without the use of a calculator. Students successfully completing Comprehensive Math 1 – Skills, should be ready for a non-credit level math course at a community college and/or Comprehensive Math 2 – Beginning College Algebra.

COMPREHENSIVE MATH 2 – BEGINNING COLLEGE ALGEBRA – 1 Semester/.5 Credit

Grade: 12

(If students are taking more than one Comprehensive Math course, this course should be taken after Comprehensive Math 1 or before Comprehensive Math 3.)

167092

(It is recommended that a graphing calculator [TI-83 Plus, TI-84 Plus and/or TI-89] be purchased for this class.) (Students should seek guidance from their junior-year math teacher when considering this course.)

 *Fourth Year Math Elective, if enrolled as a Senior.*

This class is for any student who will be taking placement tests at other community colleges, universities, or enlisting in the military. It is designed specifically for students who plan to take Math 092 Beginning Algebra at MCCC and/or are hoping to place higher than Math 092 on the Accuplacer Test. It will cover fundamental concepts of algebra focusing mostly on linear equations, including systems of linear equations. Students successfully completing Comprehensive Math 2 – Beginning College Algebra should be ready for a credit-level math course at a community college and/or Comprehensive Math 3 – Intermediate College Algebra.

COMPREHENSIVE MATH 3 – INTERMEDIATE COLLEGE ALGEBRA – 1 Semester/.5 Credit

Grade: 12

(If students are taking more than one Comprehensive Math course, this course should be taken last.) (It is recommended that a graphing calculator [TI-83 Plus, TI-84 Plus and/or

167152

TI-89] be purchased for this class.) (Students should seek guidance from their junior-year math teacher when considering this course.)

 *Fourth Year Math Elective, if enrolled as a Senior.*

This class is for any student who will be taking placement tests at other community colleges, universities, or enlisting in the military. It is designed specifically for students who plan to take Math 151 Intermediate Algebra at MCCC. It will cover the simplification of radicals, complex numbers, properties of real numbers, solutions of second-degree polynomial equations and inequalities, basic properties of exponential functions and logarithms, basic right triangle trigonometry, and Laws of Sines and Cosines. Students successfully completing Comprehensive Math 3 – Intermediate College Algebra should be ready for a credit-level math course at a college or university.

CONSUMER MATH – 1 Semester/.5 Credit**Grade: 12** *Fourth Year Math Elective, if enrolled as a Senior.***161065**

This class is a fourth-year math class focusing on independent living and basic life skills that involve calculations. Topics may include shopping, personal banking, wages/salary, budgeting, consumer/student loans, simple/compound interest, credit, and credit/debit cards.

FINANCIAL LITERACY – 1 Semester/.5 Credit**Grade: 12** *Fourth Year Math Elective, if enrolled as a Senior.***160065**

This is a rigorous fourth-year math course on the mathematics behind personal finance and long-term financial independence. Topics may include income taxes, home ownership, car ownership, stock market, business modeling, and planning for retirement.

STATISTICS, INTRODUCTION TO – 1 Semester /.5 Credit**Grade: 10-12***(Prerequisite: Successful completion of Math 2)***160105**

This is a rigorous 4th year math course designed to provide students with a general overview of statistics. The extensive use of statistics in the modern world makes it imperative that the educated citizen understand the fundamental concepts and ideas which are reached by statistical methods. This is achieved by introducing statistics and probability assuming a relatively sparse mathematical background. Calculators are used extensively in this course.

STATISTICS, ADVANCED PLACEMENT – 1 Credit Possible**Grades: 10-12****1st & 2nd Semester Required****Semester 1 – 160041 (A)***(Prerequisite: "C" or better in Math 2)***Semester 2 – 160042 (B)***(It is recommended that students take this class in conjunction with another college-bound math class, and it is required that a graphing calculator [TI-83, TI-84 and/or TI-89, and/or TI-nSpire] be obtained for this class.)* *Fourth Year Math Elective, if enrolled as a Senior.*

The purpose of the AP Statistics course will be to introduce students to the major concepts and themes of statistics, through many and varied real-world examples. Four broad conceptual themes will be explored: exploring data, collecting data, probability, and statistical inference. This is a college-level course; therefore, students will be required to meet very high expectations. The course will provide the opportunity for hands-on investigations that will be pursued individually or in small groups. This class will have an online portion to it, so students will need computer access to complete some of the material.


NOTE: It is expected that all students taking this class pay for and take the Advanced Placement test in Statistics at the end of the school year. Successful completion of the test may result in college credit. (See AP Requirement on page 6.)

MONROE HIGH SCHOOL MUSIC EDUCATION DEPARTMENT

Arts and Communication Career Pathway

The Music Department offers a variety of courses designed to give each student an opportunity to have a personal experience with music in a way, that most interests him/her. Some courses will appeal to the student interested in creating or performing music for others. Other courses will appeal to those interested in the personal satisfaction they will gain from the experience. Whatever the reason, the student is encouraged, regardless of past experience, to enroll in a course which fulfills his/her needs. **CLASSES ARE LISTED AS CHORAL MUSIC, GENERAL MUSIC, and INSTRUMENTAL OFFERINGS.**

Music classes are designed to give each student an opportunity to have a personal experience with music and are recommended for every pathway. Choose the course that speaks to your individual need.

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC). In addition, all courses in the Music Education Department meet the Visual Performing Applied Arts (VPAA) Graduation Requirements outlined by the Michigan Merit Curriculum (MMC).


GENERAL MUSIC COURSES

MUSIC THEORY 1 – 1 Semester/.5 Credit

Grades: 9-12

(Prerequisite: 1 semester Band, Orchestra, Choir, Piano 1 OR Permission from Instructor)


170055

 *Visual, Performing and Applied Arts (VPAA)*

Music Theory students will be learning the fundamentals of music as it leads to composition. The class is open to students who are already proficient at reading music in at least one clef and who want to gain greater knowledge of how music is put together. Emphasis will be placed on basic fundamentals, form, chord structure, ear training and composition. This course will give students the tools they need to write their own music and to more fully appreciate and perform music. It is highly recommended for any student who wishes to study music at the college level.

PIANO 1 – 1 Semester/.5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

170085


This course is open to any student who would like to obtain functional skills on the piano. Students will learn basic music reading and theory including introductions to the elements of rhythm, note names, clefs, meters, and musical terminology. Proper fingering, phrasing, dynamics, and expressions will be interjected as well.

PIANO 2 – 1 Semester/.5 Credit

Grades: 9-12

(Prerequisite: Instructor Approval or Piano 1)

170086


 *Visual, Performing and Applied Arts (VPAA)*

Students will continue to work on the basic elements of music including scales and chord progressions and intermediate level repertoire. Students will learn to harmonize melodies in different styles and improvise melodies over a given chord progression.

CHORAL MUSIC COURSES

MUSICAL THEATRE – 1 Semester/.5 Credit

Grades: 9-12


 *Visual, Performing and Applied Arts (VPAA)*

177031

This course does not require an audition and is open to all students who have an interest in Musical Theater. Students will learn repertoire and techniques for performing in the musical theater genre. Students will have the opportunity to prepare two solo or small group songs as well as a scene from a musical. The final project for this course will include an evening performance.

A CAPPELLA CHOIR – 1 Semester/.5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

177032


This course does not require an audition and is open to all students who have an interest in singing in an A Cappella group. Students will learn repertoire and techniques for performing in the pop A Cappella Genre. Students will have the opportunity to prepare a set (three contrasting songs) and perform at the MSVMA A Cappella Festival and the MHS Spring Pops Concert.

CONCERT CHOIR – 2 Semesters Preferred;1 Semester Required/1 or .5 Credit

Grades: 10-12

(Prerequisite: Audition or Permission of Instructor)

Semester 1 – 170001 (A)


 *Visual, Performing and Applied Arts (VPAA)*

Semester 2 – 170002 (B)

Concert Choir is a mixed (treble and bass) choir of experienced choir singers. Students interested in Concert Choir must have an audition with the instructor. Knowledge of music reading, singing ability and desire to work is required. Class work will include learning basic performance skills as well as music reading and music vocabulary. This course will include occasional staging and choreography as well as performances outside of the school day. Each student will become an integral part of a performing team, learn choral techniques and musical sensitivity develop a sense of responsibility and cooperation, and perform in concerts and choral festivals.

TREBLE CHORUS – 2 Semesters Preferred;1 Semester Required/1 or .5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*


Semester 1 – 170131 (A)

This course does not require an audition and is open to all students who have an interest in singing treble (soprano/alto) literature. Students have the option of taking this course each year of high school for the joy of singing. The majority of class time will be spent singing and learning songs directed toward performance. This process will develop skills in choral technique, sight reading, and basic music knowledge. This course will include occasional staging and choreography as well as performances outside of the school day. The student will also gain knowledge of the importance of responsibility, dedication, and teamwork. The work in this class will help prepare the student to audition for select ensembles offered by the music department.

Semester 2 – 170132 (B)

VARSITY CHORUS – 2 Semesters Preferred;1 Semester Required/1 or .5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 170124 (A)

This course does not require an audition and is open to all tenor/bass singers who have an interest in singing in a men's choir. Students have the option of taking this course each year of high school for the joy of singing. The majority of class time will be spent singing and learning songs directed toward performance. This process will develop skills in choral technique, sight reading, and basic music knowledge. The student will also gain knowledge of the importance of responsibility, dedication, and teamwork. This course will include occasional staging and choreography as well as performances outside of the school day. The work in this


Semester 2 – 170125 (B)

class will help prepare the student to audition for select ensembles offered by the music department.

MONROE EXPRESSIONS – 2 Semesters Required/1 Credit
(Prerequisite: Audition)

Grades: 10-12

Semester 1 – 170041 (A)

 Visual, Performing and Applied Arts (VPAA)

Semester 2 – 170042 (B)


This course is a select group of 20 to 40 treble singers who will perform at an intermediate level.

Membership will be on an audition basis. Students will be trained to a high-performance level which will include choral techniques, poise, stage presence, choreography, and responsibility as well as dedication to the group. In addition to school concerts, this group will perform in competitions and the community at large.

GENERATIONS OF SOUND – 2 Semesters Required/1 Credit
(Prerequisite: Audition)

Grades: 10-12

Semester 1 – 170021 (A)

 Visual, Performing and Applied Arts (VPAA)


Semester 2 – 170022 (B)

Generations of Sound is a select group of 20 to 24 singers with mixed (treble and bass) voices. The student gains training in advanced-level music and choral techniques. The group develops into a near-professional performing ensemble, with students gaining extensive experience as performers in competitions and in public and private concerts. The students will learn responsibility, poise, stagemanship, musical techniques, and dedication. This group also prepares and performs a Madrigal Dinner. An audition with the conductor is required.

INSTRUMENTAL MUSIC COURSES

ORCHESTRA – 2 Semesters Required/1 Credit

Grades: 9-12

 Visual, Performing and Applied Arts (VPAA)

Semester 1 – 170071 (A)


This ensemble is open to all students who have the skill level necessary to

Semester 2 – 170072 (B)

play high school-level orchestral literature. This class will focus on developing skills in string technique, sight-reading, and basic music knowledge while rehearsing music for the purpose of performance. Students will have the opportunity to work in both large and small groups and participate in MSBOA festivals. Members of this ensemble will be required to participate in performances outside the school day.

CONCERT BAND – 2 Semesters Required/1 Credit

Grades: 9-12

 Visual, Performing and Applied Arts (VPAA)

Semester 1 – 170011 (A)

(Prerequisite: previous band experience. No audition required.)


Semester 2 – 170012 (B)

Membership in this ensemble is open to all students who have experience playing a band instrument and have skills to play high school level band literature. Band members will have several responsibilities outside the school day including concerts and concert festivals. Membership in this group represents a very high degree of commitment and self-discipline. It is strongly recommended that all students simultaneously enroll in Trojan Marching Band.

SYMPHONY BAND – 2 Semesters Required/1 Credit
(Prerequisite: Audition, teacher recommendation)

Grades: 9-12

Semester 1 – 180011 (A)


 Visual, Performing and Applied Arts (VPAA)

Semester 2 – 180012 (B)

Membership in this ensemble is by audition only. Auditions to be in this course take place in the preceding spring semester. This is a select group of band students who exhibit a rising level of proficiency. Band members will have several responsibilities outside the school day including concerts and festivals. Membership in this group represents a very high degree of commitment and self-discipline. It is strongly recommended that all students simultaneously enroll in Trojan Marching Band.

WIND ENSEMBLE – 2 Semesters Required/1 Credit

(Prerequisite: Audition, teacher recommendation)

 *Visual, Performing and Applied Arts (VPAA)*

Auditions to be in this course take place in the preceding spring semester. This is the most select and advanced band, exhibiting the highest level of ability and dedication to the band program. Band members will have several responsibilities outside the school day including concerts and concert festivals. Membership in this group represents a very high degree of commitment and self-discipline. It is strongly recommended that all students simultaneously enroll in Trojan Marching Band.


Grades: 10-12

Semester 1 – 170121 (A)

Semester 2 – 170122 (B)

JAZZ BAND – 2 Semesters Required/1 Credit

(Prerequisite: Audition, teacher recommendation.)

 *Visual, Performing and Applied Arts (VPAA)*

This is a select group that requires a great deal of dedication and outside effort. Auditions to be in this course take place in the preceding spring semester. The course is open to students who play Saxophone Trumpet, Trombone, Piano, Guitar, Bass, and Percussion. Students will study the fundamentals and literature of jazz music from the 1920's – today. The music difficulty and performance standards are very high. Membership also involves performances both in and outside the school day with regular travel outside the school day.

Grades: 9-12

Semester 1 – 170031 (A)

Semester 2 – 170032 (B)

TROJAN MARCHING BAND – 1st Semester/.5 Physical Education Credit (8th hour)

This course does not require an audition.

Membership in this course is open to students with previous band experience and to those who sign up to join the Color Guard. This course meets exclusively after school with the exception of occasional performances during the school day. Membership is available to all students who have the skills to play high school level band literature, twirl baton, or spin flag. Marching Band members will have several required responsibilities outside of the school day including marching at varsity football games, local and regional parades, and performing at varsity basketball games. Attendance at summer marching band camps and rehearsals is mandatory. Woodwind, Brass, and Percussion students must enroll simultaneously in Concert Band, Symphony Band, or Wind Ensemble. Exceptions to this rule are to be made only at the discretion of the director when these classes interfere with a student's ability to graduate on time.


Grades: 9-12

170130

MONROE HIGH SCHOOL PHYSICAL EDUCATION DEPARTMENT

Health and Human Services Career Pathway

The Physical Education Program is designed to provide students with opportunities to develop physical skills and conditioning as well as basic knowledge of team and individual lifetime sports. Gym clothes and gym shoes are required as well as a combination lock for the locker.

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

AEROBICS – 1 Semester/.5 Credit *NOT OFFERED 2024-2025***** **Grades: 9-12**

 *This course fulfills one of the graduation requirements outlined by the MMC.* **180015**

This class is for students who want to improve/maintain fitness and tone muscles. Activities include aerobics, step, weight training, jogging, fitness walking and jumping rope. Also included: basic fitness concepts and the identification of major muscle groups. An aerobic routine will be presented as part of the final grade. A student taking this course again will benefit by advancing skill level and continuing their overall fitness level.

HEALTH – 1 Semester/.5 Credit **Grades: 9-12**

(This course is a requirement for graduation)

180045

This course fulfills one of the graduation requirements outlined by the MMC.

This course is designed to help the student understand the human body and the changes that take place within. This class covers the six basic core concepts as recommended by the Centers of Disease Control's National Health Standards: violence prevention, nutrition, physical activity, tobacco prevention, substance abuse prevention, and sexuality/HIV/STI education. Material is covered through the use of textbooks, movies, demonstrations, discussions, and lectures; therefore, at the beginning of this course a parent notification letter will be sent home. If parents choose to excuse their child from the discussion topics on HIV, reproductive health or sex education an exclusion option is available.

PHYSICAL FITNESS 1 – 1 Semester/.5 Credit **Grades: 9-12**


 *This course fulfills one of the graduation requirements outlined by the MMC.* **180065**

This course is open to anyone interested in becoming more physically fit and maintaining muscle tone while maintaining a healthy weight. It will involve weightlifting, running, and floor exercises. Programs will be provided to develop strength, flexibility, and speed as well as cardiovascular endurance. Physiological testing and measurements will be taken at various intervals to determine progress. Students will be expected to complete all workouts and care for equipment used in a responsible manner. A student taking this course again will benefit by advancing their skill level and continuing their overall fitness level.

PHYSICAL FITNESS 2 – 1 Semester/.5 Credit **Grades: 9-12**

(Prerequisite: Physical Fitness 1 and/or Teacher Approval)


180165

 *This course fulfills one of the graduation requirements outlined by the MMC.*

Advanced Fitness is a co-ed elective class offered for one semester at a time. Class time will consist of running, agility, weightlifting, plyometrics and other sport-specific exercises and programs to develop strength, flexibility, and speed in the athlete's sport. Testing will be done to measure strength, performance, and cardiovascular gains throughout the course. Students will be expected to care for all equipment and complete all workouts. Students will benefit by advancing their strength and fitness level.


SWIMMING 1 – 1 Semester/.5 Credit

Grades: 9-12

 *This course fulfills one of the graduation requirements outlined by the MMC.* **180025**
This course will include a review of the basic strokes with the addition of stroke variation, over-arm side, butterfly, foot first surface dive, dive from the board, endurance swimming, and personal safety skills. Also included will be limited to individual lifesaving, water games, and recreational contests such as water basketball, volleyball, pom-pom, and water polo. A student taking this course again will benefit by advancing skill level and continuing their overall fitness level.


SWIMMING 2 – 1 Semester/.5 Credit

Grades: 9-12

(Prerequisite: Advanced Swimming Skills) **180005**
 *This course fulfills one of the graduation requirements outlined by the MMC.*
Skills will be adapted for both groups with an emphasis on advancing all students to the advanced swimming program. A student taking this course again will benefit by advancing skill level and continuing their overall fitness level.


TEAM SPORTS 1 – 1 Semester/.5 Credit

Grades: 9-12

 *This course fulfills one of the graduation requirements outlined by the MMC.* **180085**
This is a COED course taught in the gym or outside (weather permitting) which will consist of invasion games such as flag football, soccer, basketball, speedball, and striking; fielding games such as softball and whiffle ball; net/wall games such as tennis, volleyball, badminton; and health-related fitness. Rules and strategies will be taught for each sport. Other team sports may be introduced. A student taking this course again will benefit by advancing their skill and continuing their overall fitness level.

TEAM SPORTS 2 – 1 Semester/.5 Credit

Grades: 11-12

 *This course fulfills one of the graduation requirements outlined by the MMC.* **180096**
Eligible to students who want to compete against or work out with other competitive athletes or students who earned a 'B' or higher in Team Sports 1.

This course is designed for the motivated advanced varsity athlete. Activities include sports-specific skills, power, speed development and agility training. Skill development units may consist of flag football, volleyball, basketball, softball, soccer, and badminton. Strategies and skill transfer will be a focus point. Students repeating this course will benefit by advancing their skill level and overall fitness.


TEAM SPORTS, BASKETBALL TECH – 1 Semester/.5 Credit *NOT OFFERED 2024-2025*** Grades: 10-12**

This course fulfills one of the graduation requirements outlined by the MMC. **BBTheory**
(Prerequisite: Eligible students have the skill necessary to participate at the JV and Varsity level or teacher approval.)

This course covers advanced basketball techniques with emphasis placed on refining skill and developing strategies and techniques, team concepts of offense, defense, and transition as well as personal skill development. Sport specific weight training, footwork, and conditioning drills with an introduction to basketball officiating will be covered.

TEAM SPORTS, FOOTBALL TECH – 1 Semester/.5 Credit


Grades: 9-12

 *This course fulfills one of the graduation requirements outlined by the MMC.* **FBTheory**
*(Prerequisite: Must be on Freshman or Varsity Football Team or played at MMS **or** have Teacher Approval.)*

This course covers advanced football techniques with emphasis placed on refining skill and developing strategies and techniques, team concepts of offense, defense, and transition as well as personal skill development. Sport-specific weight training, footwork, and conditioning drills with an introduction to football officiating will be covered. Eligible students have the skills necessary to participate at the JV and Varsity level with a coordinating GPA for eligibility.

MONROE HIGH SCHOOL SCIENCE DEPARTMENT

All Career Pathways

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

ANATOMY AND PHYSIOLOGY – 2 Semesters/1 Credit

Grades: 11-12

(Prerequisites: Biology and Chemistry)

Semester 1 – 190021(A)

(Chemistry can be taken concurrently)

Semester 2 – 190022 (B)

This course includes an in-depth study of the structure and function of the human body. Extensive laboratory work will be done including the use of microscopes, dissections, and labs. Active participation is required. The curriculum provides a basis for students to develop a strong understanding of the following systems: integumentary, skeletal, muscular, immune, nervous, endocrine, digestive, and reproductive. This course is useful to students following the Health Career Pathways who plan on entering medical and health careers or who plan to major in biology in college.

BIOLOGY – 2 Semesters/1 Credit

Grade: 9

 *This course fulfills one of the graduation requirements outlined by the MMC.*

Semester 1 – 319011 (A)

This course has been designed to cover the Next Generation Science Standards

Semester 2 – 319012 (B)

for Biology. Students will learn about cells, genetics, evolution, and ecology by exploring the eight characteristics of living things. Students are expected to keep up with daily assignments and participate in a variety of laboratory experiences. Successful completion of this course is a graduation requirement in accordance with the Michigan Merit Curriculum.

BIOLOGY, AP – 2 Semesters/1 Credit

Grades: 10-12

(Prerequisites: Biology with an achieved grade of A or B; Chemistry concurrent with, or an achieved grade of A or B)

Semester 1 – 190031 (A)

Semester 2 – 190032 (B)

 *This course fulfills one of the graduation requirements outlined by the MMC.*

AP Biology is an extremely rigorous college-level course that requires extensive independent study in addition to class participation. Emphasis will be placed on developing the study skills needed to be successful at mastering material to the depth required. This course is centered around the following questions: “How do cells communicate?” “How do organisms respond to their environment?” “How do viruses spread?” “How do organisms change over time?” “How do organisms inherit traits?” Students will learn about these concepts through reading a variety of texts, listening to live lectures, participating in citizen science projects, and working in groups to complete inquiry projects and labs. Students will be required to create, conduct, and communicate the results of both lab investigations and citizen science projects. Additionally, there will be an emphasis on using mathematics in the analysis of experimental results and development of conceptual understanding. **NOTE: It is highly recommended that all students taking this class pay for and take the Advanced Placement test in Biology at the end of the school year. Successful completion of the test may result in college credit. (SEE AP requirement on page 6.)**

CHEMISTRY – 2 Semesters/1 Credit**Grade: 10-11***(Prerequisites: Math 1, Biology)***Semester 1 – 190061 (A)**

 This course fulfills one of the graduation requirements outlined by the MMC. **Semester 2 – 190062 (B)**

Chemistry is a hands-on, inquiry-based course that utilizes critical thinking skills such as problem-solving, decision-making, analysis, and synthesis. Chemistry is designed for students in the 10th or 11th grade. Curriculum will focus on questions such as “What is everything around us made of?” and “How do chemical reactions occur?” Topics include atoms, the Periodic Table, bonding, gas laws, and acids and bases. Students will be designing and doing experiments, collecting, interpreting, and communicating data. Work will often be collaborative in nature, utilizing lab teams or cooperative groups. Students must have completed Math 1 and Biology. Students are required to keep a notebook and materials folder.

CHEMISTRY, AP – 2 Semesters/1 Credit**Grades: 11-12***(Prerequisites: Successful completion (“B” or better) of Math 1 & Math 2;***Semester 1 – 190041 (A)***“B” or better in Chemistry is strongly recommended)***Semester 2 – 190042 (B)**

Advanced Placement Chemistry is a rigorous course that simulates a first-year college chemistry course. AP chemistry requires extensive class participation and independent study. There is a strong emphasis on the development of study skills, improving laboratory techniques, collaborating with others, and communicating results. The course curriculum follows the 9 AP units recommended by the College Board, including atomic structure, chemical reactions, stoichiometry, bonding, chemical equilibrium, acids and bases, oxidation-reduction reactions, thermochemistry, and organic chemistry. Students will learn about these concepts by reading from a variety of texts and outside sources, participating in class discussions, and working in groups to complete labs and other inquiry activities. Work will often be collaborative in nature, utilizing lab teams or cooperative groups, and mathematical skills are very important. **NOTE: It is highly recommended that all students taking this class pay for and take the Advanced Placement test in Chemistry at the end of the school year. Successful completion of the test may result in college credit. (See AP Requirement on page 6.)**

ECOLOGY – 1 Semester/1 Credit/Double-Blocked**Grades: 10-12***(Prerequisites: Successful completion of Biology with an A or B, or teacher approval.)***190305**

This course will cover how organisms interact with each other and their environment at the population, community, and ecosystem levels. The goal of this course is to familiarize students with current theories and practices in ecology. Students will use ecological methods to analyze and interpret ecological data. Active participation in the outdoors during various weather conditions is required. This class will be taught at the Knabusch Math and Science Center. Bus transportation for MPS students is provided every day of class.

ENVIRONMENTAL, AP – 2 Semesters/1 Credit**Grades: 11-12***(Prerequisites: Successful completion of Biology, Chemistry, and Math 2.)***Semester 1 – 190131 (A)**

The goal of the AP Environmental Science course is to provide students with the **Semester 2 – 190132 (B)** scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. **(See AP requirement on page 6.)**


FORENSIC SCIENCE 1: The Biology & Chemistry of Crime Scenes –1 Semester/.5 Credit Grades: 11-12

The Forensic Science Course will focus on crime scene investigation techniques. **190810**
This includes evidence collection and detailed scientific analysis, along with advanced observation skills. Students will learn various important techniques used to analyze crime scene evidence and practice some of those techniques. There is a heavy emphasis on scientific reasoning skills in this course. There is a significant amount of group work in this course. Groups of students will investigate imaginary crime scenes to utilize the techniques learned in the course. Students will also investigate case studies of famous crimes. Units covered will include blood, both DNA evidence and blood typing, toxicology, death, and body decomposition.

FORENSIC SCIENCE 2: The Biology & Physics of Crime Scenes –1 Semester/.5 Credit Grades: 11-12


****Forensic Science 1 does not need to be completed before taking Forensic Science 2. 190820**
This Forensic Science Course will focus on crime scene investigation techniques. This includes evidence collection and detailed scientific analysis, along with advanced observation skills. Students will learn various important techniques used to analyze crime scene evidence and practice some of those techniques. There is a heavy emphasis on scientific reasoning skills in this course. There is a significant amount of group work in this course. Groups of students will investigate imaginary crime scenes to utilize the techniques learned in the course. Students will also investigate case studies of famous crimes. Units covered will include fabric and fingerprint analysis, blood spatter patterns, accident reconstruction and optics of crime scenes.

PHYSICAL SCIENCE – 2 Semesters/1 Credit Grade: 10-12

 This course fulfills one of the graduation requirements outlined by the MMC. **Semester 1 – 190121 (A)**
(Prerequisite: Biology, Math 1) **Semester 2 – 190122 (B)**

This Physical Science course boosts student success by first building a solid conceptual understanding of physics. Physical Science uses meaningful examples and hands-on activities, which build an understanding of the principles of physics through engaging explanations, demonstrations, labs, concept-development exercises, and thought-provoking questions. Students then apply what they know through laboratory work, mathematical problem-solving, and discussions of critical-thinking questions.

PHYSICS – 2 Semesters/1 Credit Grade: 10-12

(Prerequisite: Proficiency in Math 1 and Biology) [C or better] **Semester 1 – 190151 (A)**
 This course fulfills one of the graduation requirements outlined by the MMC. **Semester 2 – 190152 (B)**

This is a college-level course open to juniors who are proficient in mathematics. Physics is the study of the mathematical models of how the world works and is the basis for all science and engineering. Topics include motion, forces, work/energy, light, sound, and more.

PHYSICS, AP – 2 Semesters/1 Credit Grade: 10-12

(Prerequisite: Proficiency in Math 1 and Biology) [C or better] **Semester 1 – 190051 (A)**
Successful completion of Physics. **Semester 2 – 190052 (B)**

(Corequisite: Currently enrolled in Math 2) Physics 1 Algebra-based
AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

MONROE HIGH SCHOOL SOCIAL STUDIES DEPARTMENT


All Career Pathways

The Social Studies curriculum is designed to help all students gain knowledge about an understanding of man and his societies, both past and present. Students will acquire the skills needed to form values and attitudes that can be translated into effective and responsible social behavior.

Offered are courses, which cover the basic disciplines of U.S. History & Geography, Civics, Economics, World History & Geography. Students are reminded that one (1) full credit is required in each of the following courses: U.S. History & Geography, Civics (.5) and Economics (.5), World History & Geography.

In the **freshman year**, students have two choices: **U.S. History or AP U.S. History**. AP U.S. History is for students who are considering earning college credit while earning high school credit. This is an academically accelerated course that is college rigor.

In the **junior year**, students have the option to take **World History or AP World History**. AP World History is for students who are considering earning college credit while earning high school credit. This is an academically accelerated course that is college rigor.

 A course that is accompanied by this symbol meets the graduation requirements outlined by the Michigan Merit Curriculum (MMC).

CHARACTER AND LEADERSHIP DEVELOPMENT – 1 Semester/.5 Credit

Grades: 9-12

The main objective of this course is to improve character and leadership traits by developing critical thinking, building basic skills, emphasizing positive changes in attitude, and promoting essential components of character and leadership. To accomplish this objective, students will complete readings about positive role models each week, and successful community leaders will speak to the class about their achievements, failures, and life lessons. The instructor will utilize various forms of pop culture to demonstrate core components of character traits. Students will be given different opportunities to apply the concepts of the course to their personal lives, academic disciplines, and future goals. A considerable amount of time will be spent teaching traits, including but not limited to, respect, responsibility, tolerance, honesty, integrity, perseverance, courage, self-control, and appreciation. Students will discuss and reflect on their personal values, beliefs and attitudes while respecting and appreciating the viewpoint of others.

200065

CIVICS – 1 Semester/.5 Credit

Grade: 10

 *This course fulfills one of the graduation requirements outlined by the MMC.*

200205

This course introduces students to the study of local, state, and federal government and economics. The major emphasis of this course is the basic structure and function of our republic and looking at the beginnings of our republic with the early documents that shaped our republic into what it is today. An important aspect of this course is to develop a well-informed, intelligent citizen who will become an active participant in our democratic society. Finally, the course will provide basic knowledge of the core democratic values and constitutional principles, which will allow them to put their understanding of democracy in perspective.

ECONOMICS – 1 Semester/.5 Credit**Grade: 10**

 This course fulfills one of the graduation requirements outlined by the MMC. **200305**

Productive members of society must understand basic economic concepts such as scarcity, costs, and benefits in order to make sound individual economic decisions. Students will apply these basic economic concepts as they evaluate the consequences of public policy decisions. This course will help students function as consumers, savers, investors, and responsible citizens.

FAMOUS AMERICANS – 1 Semester/.5 Credit**Grades: 9-12****200015**

This course will examine the lives of various famous Americans, their lifestyles, their experiences, their accomplishments, and their contributions to American society. This will be a project and research-based course that focuses on different groups of people such as women, minorities, athletes, musicians/artists/writers, scientists/inventors, politicians, crooks/criminals, and heroes.

GLOBAL CONFLICT IN THE MODERN ERA – 1 Semester/.5 Credit**Grades: 9-12*******NOT OFFERED IN 2024-2025*******200025**

As many as twenty-five wars are taking place on our planet at any given moment. The number of countries possessing nuclear and other high-tech weaponry is growing. In this course, we will focus on the reason such conflicts occur in the hope that this knowledge will lead to solutions. Topics will include the impact of future water and oil shortages; nuclear, chemical, and biological weapons; just war theory; the media's role during a conflict; landmines; and terrorism.

HISTORY VS. HOLLYWOOD – 1 Semester/.5 Credit**Grades: 10-12****200035**

This course will examine different periods of American history through film. Students will view various films and research the validity of each film by examining them through the following questions:

- Did things happen as they appeared in the film?
- Does Hollywood glamorize historical figures and events?
- Can you believe what you see?

This is a research-based course. Some of the movies used to demonstrate historical perspective may be controversial. Parents will be required to sign a permission slip before the student may register for this course. The list of movies that may be shown, either in clips or in entirety, is available upon request.

HUMAN RIGHTS AND GENOCIDE – 1 Semester/.5 Credit**Grades: 10-12*******NOT OFFERED IN 2024-2025*******200275**

This hybrid course explores the origin and nature of human rights, their relationship with Civil Rights, and the violations of these rights. Topics examined include, but are not limited to freedom of speech and its consequences, freedom to assemble and its consequences, political protest, human trafficking, nationalist movements, apartheid, genocide and ethnic cleansing, foreign intervention and humanitarian aid, and the global role of the United Nations and Peacekeeping.

MOCK TRIAL – 1 Semester/.5 Credit *****NOT OFFERED IN 2024-2025*******Grades: 11-12****200045**

Do you like to argue and debate? This is the class for you! Mock Trial is a simulation class which allows students to research, prepare, and argue important issues.

PSYCHOLOGY – 1 Semester/.5 Credit**Grade: 10-12****200075**

Psychology is a semester course exploring human behavior. The following areas will be covered: human development concentrated mainly on adolescence and adulthood, individual differences, personality development; applying psychology to individual human problems.

PSYCHOLOGY, ABNORMAL – 1 Semester/.5 Credit**Grades: 11-12***(Prerequisite: "C" or better in Psychology)***200005**

Abnormal Psychology is a semester course designed for 11th and 12th grade students who have human service occupation career interests. The following areas will be covered: abnormal behavior and treatment, insanity and the law, biology, and behavior.

PSYCHOLOGY, AP – 2 Semesters/1 Credit *NOT OFFERED IN 2024-2025*******Grades: 11-12**

Advanced Placement Psychology is a rigorous, college-level course that requires much independent work in addition to class participation. Students should

Semester 1 – 200175 (A)**Semester 2 – 200176 (B)**

expect to meet high expectations of quantity and quality of work. Along with preparation for the AP Test, the course will also involve conducting research and ample class discussion. This course will build on students' knowledge of the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will look at history and approaches, research methods and experiments, biological bases, sensation and perception, states of consciousness, learning, cognition, motivation, developmental, personality theories, testing differences, abnormal behavior, and treatment, and social psychology.

SOCIOLOGY – 1 Semester/.5 Credit**Grades: 9-12**

Sociology is the study of human society and group behavior. Studying sociology can help you

200105

to gain a new perspective on looking at yourself and the world. This interesting course covers topics such as following: cultural diversity, the American value system, social control, social change, conflict and cooperation, personality development, teenagers and dating, adolescence, the world of work, deviance and crime, poverty and the class system, race relations, gender inequality, age discrimination, family, education, religion, sports, population and urbanization, social change, and modernization.

STUDENT COUNCIL – 2 Semesters/.5 Credit****Offered during TFT******Grades: 9-12***(Prerequisite: Teacher Approval Required)*

Involvement in Student Council gives students the opportunity to enhance

leadership skills, organize and participate in school activities and community service. Students interested in the class must fill out an application, which is available in the winter of each year. A student is selected for this course with the approval of the Student Council Selection Committee, and officers are voted on by the council. Students receive a mid-term and final evaluation; those who receive satisfactory evaluation will remain in the class.

SWEATSHOPS, LAYOFFS, SNEAKERS, AND YOU – 1 Semester/.5 Credit**Grades: 10-12*******NOT OFFERED 2024-2025*******200055**

Why are your sneakers so expensive when they cost pennies to make? Where are your jobs going? Who produces the products you buy? This course will introduce you to issues related to globalization.

UNDERSTANDING THE LAW – 1 Semester/.5 Credit**Grades: 9-12**

This course will provide you with a general understanding of your legal rights and

200095

responsibilities, a knowledge of everyday legal problems, and the ability to analyze, evaluate and resolve legal disputes. This course covers such topics as: the court system, lawyers, crime against person and property, prosecution and defense, the criminal justice process, juvenile justice, civil lawsuits, contracts, warranties, credit, being a smart consumer, housing law, marriage, parents and children, divorce, constitutional rights, and victims of crime.

U.S. HISTORY & GEOGRAPHY A & B – 2 Semesters/1 Credit**Grade: 9***This course fulfills one of the graduation requirements outlined by the MMC.*

This course is designed to investigate the history and culture of different ethnic, racial, and socio-economic groups within the framework of

Semester 1 – 200011 (A)**Semester 2 – 200012 (B)**

American History from 1870 to present. The following themes will be taught industrialization, immigration, Imperialism, Progressive Era, World War 1, the Great Depression and World War 2. Studies for Semester 2 will include Post-War America, the Cold War, Civil Rights, and Post-Cold War.

AP U.S. HISTORY – 2 Semesters/1 Credit**Grades: 9-12***(Required: Summer reading and joining AP Classroom prior to school)***Semester 1 – 222011 (A)***(Can be taken in place of or in addition to US History.)***Semester 2 – 222012 (B)**

This year-long AP U.S. History course is designed to develop student's understanding of American history from approximately 1491 to the present. Students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, developing and using the same critical thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) used by historians when they study the past. Students explore seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) in order to make connections among historical developments in different times and places.

WORLD HISTORY & GEOGRAPHY A & B – 2 Semesters/1 Credit**Grade: 11** *This course fulfills one of the graduation requirements outlined by the MMC.*

World history takes a global and comparative approach to studying the world and its past to develop a greater understanding of worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. The course will begin with the fall of the Roman Empire, and end with the first global age. The course will investigate our diverse and common traditions, and work toward an understanding of the complex interactions among various environmental, human, and social forces that influence us.

Semester 1 – 200211 (A)**Semester 2 – 200212 (B)****AP WORLD HISTORY – 2 Semesters/1 Credit****Grades: 10-12***(AP US History is recommended and would be helpful, but it is not required.)***Semester 1 – 222211 (A)***(Can be taken in place of or in addition to World History)***Semester 2 – 222212 (B)**

This year-long AP World History course is designed to develop students' understanding of world history from approximately 1200 CE (AD) to the present. Students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, developing and using historical thinking skills (developments & and processes, sourcing & and situation, claims and evidence in sources, contextualization, making connections, and argumentation) and reasoning processes (comparison, causation, and continuity and change over time) used by historians studying history. Students explore six themes (humans and their environment, cultural development and interactions, governance, economic systems, social interactions and organization, and technology and innovation) to make connections among historical developments in different times and places in the five major geographical regions of the world (Africa, the Americas, Asia, Europe, Oceania).


MONROE HIGH SCHOOL WORLD LANGUAGE DEPARTMENT

All Career Pathways

The World Language Department offers courses in French and Spanish. These courses are designed to teach young people how to communicate in a language other than their own, and to teach an understanding and appreciation for different cultures. The knowledge of a language other than English also enhances one's career potential in that many positions can be expanded once a world language is added to professional credentials. It is recommended that students take at least two years of the same language.

FRENCH 1 – 2 Semesters/1 Credit

Grades: 9-12


 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 1 – 130001 (A)**
Students will be introduced to the basics of everyday conversation in French. **Semester 2 – 130002 (B)**
This course is conducted mostly in French. The goal of this course is for students to develop good communication skills. The primary focus of this class is on listening skills in French. Students are required to listen and respond in French (short, choral responses in order to communicate comprehension.) Students will also learn to read and write in French at the basic level. Additionally, this course introduces students to the culture of the French-speaking world.

FRENCH 2 – 2 Semesters/1 Credit

Grades: 10-12

(Prerequisite: French 1A and 1B)

Semester 1 – 130011 (A)

 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 2 – 130012 (B)**
Students will continue to work on everyday conversation skills in French. This course is conducted almost exclusively in French. The goal of this course is for students to develop good communication skills. The primary focus of this class is on their listening skills in French. Students are required to listen and respond in French (short phrases and sentences) in order to communicate comprehension. Students are also required to read every day (level-appropriate French novels and magazines). Proper writing skills in French, at the beginning level, are also emphasized. This course continues to expose students to the culture of the French-speaking world.

FRENCH 3 – 2 Semesters/1 Credit

Grades: 11-12

(Prerequisite: French 1 and French 2)

Semester 1 – 130021 (A)

Students will continue to work on everyday conversation skills in French at a **Semester 2 – 130022 (B)**
more advanced level. This course is conducted exclusively in French. The focus of this course is for students to develop good communication skills, mainly in the areas of listening and speaking in French. Students will also read and write in French on a daily basis at a more advanced level. This course continues to expose students to the culture of the French-speaking world and includes the study of current events, history, art, film, and literature, of these cultures.

FRENCH 4 – 2 Semesters/1 Credit

Grade: 12

(Prerequisite: "C" or better in French 3)

Semester 1 – 130031 (A)

Students will continue to work on everyday conversation skills in French in a **Semester 2 – 130032 (B)**
more advanced level. This course is conducted exclusively in French. The focus of this course is for students to develop good communication skills, mainly in the areas of listening and speaking in French. Students will also read and write in French on a daily basis at a more advanced level. This course continues to expose students to the culture of the French-speaking world, and includes the study of current events, history, art, film, and literature, of these cultures.

SPANISH 1 – 2 Semesters/1 Credit

Grades: 9-12

 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 1 – 130101 (A)**

Students will be introduced to the basics of everyday conversation in Spanish. **Semester 2 – 130102 (B)**

This course is conducted mostly in Spanish. The focus of this course is for students to develop good communication skills, mainly in the areas of listening and speaking in Spanish.

Students will also learn to read and write in Spanish at a basic level. All students will read novice-level Spanish novels. Additionally, this course introduces students to the cultures of the Spanish-speaking world.

SPANISH 2 – 2 Semesters/1 Credit

Grades: 9-12

(Prerequisite: Spanish 1)

Semester 1 – 130111 (A)

 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 2 – 130112 (B)**

Students will continue to work on and improve everyday conversation skills in Spanish. This course is conducted almost exclusively in Spanish. The focus of this course is for students to develop good communication skills, mainly in the areas of listening and speaking in Spanish. Students will also read and write in Spanish on a daily basis at the beginning to intermediate level. Everyone will be required to read a level-appropriate novel in Spanish. This course also continues to expose students to the cultures of the Spanish-speaking world.

SPANISH 3 – 2 Semesters/1 Credit

Grades: 10-12

(Prerequisite: "B" or better recommended in Spanish 2)

Semester 1 – 130121 (A)

Students will continue to work on and improve everyday conversation skills in **Semester 2 – 130122 (B)**

Spanish, building off what they learned in the first two years of Spanish class. This course is conducted almost exclusively in Spanish. The focus of this course is for students to develop and refine their Spanish skills in all four of communication (listening speaking, reading, and writing.) Students will use all four modes of communication on a daily basis at an intermediate to advanced level. Everyone will be required to read a level-appropriate novel in Spanish independently, as well as read another level-appropriate novel with class. This course also continues to expose students to the cultures of the Spanish-speaking world.

SPANISH 4 – 2 Semesters/1 Credit

Grade: 12

(Prerequisite: "B" or better recommended in Spanish 3)

Semester 1 – 130131 (A)

Students will continue to work on and improve everyday conversation skills in **Semester 2 – 130132 (B)**

Spanish, building off what they learned in the first three years of Spanish class. This course is conducted almost exclusively in Spanish. The focus of this course is for students to develop and refine their Spanish skills in all four of communication (listening speaking, reading, and writing.) Students will use all four modes of communication on a daily basis at an intermediate to advanced level. Everyone will be required to read a level-appropriate novel in Spanish independently, as well as to read another level-appropriate novel with class. This course also continues to expose students to the cultures of the Spanish-speaking world.

MONROE HIGH SCHOOL

SPECIALIZED AREAS OF STUDY

DUAL ENROLLMENT

Grades: 11-12

To dual enroll, students should meet with their counselor the semester prior to enrolling. Students must apply to, and be accepted to, the institution before the course begins. Students will be enrolled in both the school district and postsecondary institution during the local school district's regular academic year. Students will be enrolled in a combined total of 6 classes each semester and will attend classes on the MCCC campus or online. The college course, according to the Michigan Department of Education, cannot be a hobby, craft, or recreation course, or in the subject areas of physical education, theology, divinity, or religious education. Additional information may be obtained from the MHS Student Services Department.

Edgenuity / Imagine Learning

A comprehensive computerized program used for credit recovery in one of two ways: during the normal school day, or after school hours. The online program is led by highly qualified master teachers and allows students to work in an alternative setting following best practices. Students interested in online classes must have approval from the Student Service Department.

ONLINE STUDIES

Monroe Public Schools in cooperation with the Michigan Virtual High School can provide elective classes for students in grades 10-12, with an opportunity to extend their learning through the Online Studies Program. Qualifying students may earn up to one high school credit per academic year by successfully completing online courses. Students' final grades will be based on the following scale: 100-90% A; 89-90% B; 79-70% C; 69-60% D; 59% and below E. Classes will be recorded on their transcripts and grades calculated with the cumulative GPA. Students should speak to their counselor before enrolling in any MVU online class. Available classes can be viewed at www.michiganvirtual.org.

Direct College Offerings

What is Direct College? Direct college credit courses provide students with the opportunity to take college-level courses at high school and are generally taught by college faculty. Courses can count for high school and college credit. Direct college credit courses are college courses offered at the high school; however, the college tuition fees are paid for by the Monroe Public School District. Direct College classes are offered to 9th – 12th grade students, after the institution reviews a potential student transcript, and admits the student.

A student may take up to 10 direct college/dual enrollment courses during his/her high school career.

First year of enrollment for 9th/10th – Students may take up to two direct college classes.

First year of enrollment for 11th/12th – Students may take up to six direct college classes.

**Direct college courses are rigorous courses taught at a college level. Students may not drop direct college classes after the first day of the course. Any students who fail a direct college course will repay the Monroe Public School District for any fees (tuition, lab fees, etc...) incurred by the district. Direct college courses may or may not transfer to other colleges and universities for credit. Students should contact the university or visit the Michigan Transfer Network online to inquire about credit transfer. Class offerings are subject to change each semester.

HUMAN151 Introduction to Humanities (3 Credit Hours)

HUMAN151CC

This course is a survey of the humanities that focuses on painting, poetry, drama, and music with emphasis placed on what the humanities tell us about human values. Extra costs may be incurred for field trips. Schedules may have to be adjusted because of field trips, which may be on weekends.

SOCIOLOGY (SOC) 151 Principles of Sociology (3 Credit Hours)

SOC151CC

This course introduces the concepts of culture, socialization, social structure, social stratification, racial and ethnic relations, and deviancy. These concepts are used principally to examine life in the contemporary United States. Whereas psychology focuses on individual behavior, sociology focuses on behavior resulting from membership within and between groups.

POLITICAL SCIENCE (POLSC) 151 Introduction to Political Science (3 Credit Hours)

POLSC151CC

This course emphasizes American political institutions, policy formulation, diverse political groups, and key issues. This course also provides a foundation for responsible citizenship. Emphasis is given to the federal level of government with a critical look at contemporary problems in American democracy. This course is a satisfier course for the Global Studies Degree Designation when taught by select faculty. See the Global Studies Degree Designation Completion Form for a list of instructors.

SPEECH 151 COMMUNICATION FUNDAMENTALS (3 Credit Hours)

SPCH151CC

This course is designed to acquaint the student with the principles of the communication process: intrapersonal, interpersonal, and public. It is a broad-based approach to aid the student in becoming a more effective communicator. Each student will present formal speeches to inform, persuade and demonstrate and be expected to participate in class discussions.

PSYCHOLOGY 151 (3 Credit Hours)

PSYCH151CC

This course provides an overview of major subject areas in psychological science. We will explore several areas of psychology in two key ways: by understanding how scientific knowledge and principles are generated and evaluated and by exploring the implications of psychology's findings. Principles of scientific investigation, including scientific theories, hypotheses, methods, and evaluating results will be applied to the study of human behavior and experience, spanning content areas ranging from cellular to ecological, including biological psychology, sensation, perception, human development, cognition, learning, motivation, emotion, stress, and social processes. We will also apply this knowledge and these skills to psychology and other subjects. The course is designed to prepare students for future psychology classes and to enhance critical thinking skills for other academic studies, careers, and for everyday life.

Early Middle College Offerings

EMC College Seminar Course (Required – 1st Semester)

Course: EMC SEMINAR

Open to 5th year EMC students only

Class will take place on MCCC campus

EMC College Seminar Course is designed to continue the support of transitioning from high school to college. Course topics will offer opportunities to learn and apply necessary post-secondary skills and strategies for college success. These topics vary from social-emotional lessons such as goal-setting, proper communication, and time management to academic skill lessons such as test-taking, professional writing, and technical reading. Students will acquire the knowledge of the resources and services MCCC offers to help maximize their college experience. Lastly, students will explore career and 4-year university options. Students will have guidance on financial commitments, how to transfer, interviews, and skills needed after they leave MCCC.

This class is a pass/fail course.

EMC College Capstone Course (Required – 2nd Semester)

Course: EMC CAPSTONE

Open to 5th year EMC students only

Class will take place on MCCC campus

EMC College Capstone Course will focus on the development of the Early Middle College Program at MHS and how it is continually evolving to best support students. The course will explore the inequality in education and research ways to close that gap. Students will do research on some aspects of Early Middle Colleges in which they have a personal interest. All students will write a series of reflective essays on their experience with Early Middle College and the impact it has had on their past, present, and future selves. Additionally, we will continue to support students as they begin to transition from MCCC into a career, trade school, 4-year university, or branch of the armed forces. The accumulating capstone project will be to present their "EMC Journey Story" to a 8th or 9th grade TFT. The aim of capstone work is to:

- Cultivate curiosity in students about the works in all its diversity
- Create students who are critical and creative thinkers
- Develop students who write with skill and clarity
- Develop students who communicate orally with skill and clarity

This class is a pass/fail course.