

Monroe High School Curriculum Guide

2020 - 2021





Monroe High School

Bill Ferrara - Principal
MONROE HIGH SCHOOL
901 Herr Road
Monroe, MI 48161
ferrara@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 the Michigan Department of Education for the Monroe County Technical and Career Early College option. 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 Early College, Early Middle College, 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.

We are Monroe!

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 MCTC Early 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, MCTE Early College						
World Language 2 credits required						
Visual/Performing Arts 1 credits required						
Electives						

TABLE OF CONTENTS

PREFACE	
4-YEAR EDP	
MONROE HIGH SCHOOL ADMINISTRATIVE STAFF	4
VISION STATEMENT	5
GENERAL INFORMATION.....	6
GRADUATION REQUIREMENTS.....	6
ADVANCED PLACEMENT CLASSES.....	6
ACADEMIC HONORS.....	6
COLLEGE TESTING RECOMMENDATIONS.....	7
SCHOLARSHIP AND FINANCIAL AID.....	8
NCAA (National Collegiate Athletic Association).....	8
DUAL ENROLLMENT	8
IVN (Interactive Video Network) Program.....	8
ONLINE STUDIES	8
TESTING OUT PROGRAM.....	8
CAREER PATHWAY and EDUCATIONAL DEVELOPMENT PLAN.....	10
CTE CONNECTING TALENT WITH CAREER.....	11
CAREER CLUSTERS.....	13
ART.....	16
BUSINESS, MANAGEMENT, MARKETING & INFORMATION TECHNOLOGY	20
ENGINEERING, MANUFACTURING and INDUSTRIAL TECHNOLOGY	25
HUMAN SERVICES	32
HEALTH SCIENCES	35
LANGUAGE ARTS.....	37
MATHEMATICS.....	42
MUSIC EDUCATION	46
PHYSICAL EDUCATION	49
SCIENCE.....	51
SOCIAL STUDIES	54
SPECIAL SERVICES	58
WORLD LANGUAGE	62
SPECIALIZED AREAS OF STUDY.....	65
DIRECT COLLEGE.....	66

MONROE HIGH SCHOOL ADMINISTRATIVE STAFF

Administrators

Mr. Bill Ferrara, Principal
Mrs. Kim Diven, Administrative Support
Mrs. Leah Morelli, Assistant Principal
Mr. Michael Foley, Assistant Principal
Mrs. Jen Furkas, Assistant Principal
Dr. John Ray, Director of Athletics
Mr. Steve Pollzzie, CTE Director

Board of Education

Mr. Robert Nichols - President
Mr. Matthew Bunkelman - Vice President
Mr. Larry Zimmerman - Secretary
Mrs. Cathleen Netter - Parliamentarian
Mrs. Heather Boone - Trustee
Mrs. Rosalie Pasko - Trustee
Mr. Lawrence VanWasshenova - Trustee

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.

NONDISCRIMINATION 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 within 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 eight 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 courses 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  .**

REQUIRED COURSES

English	4.00
Math	4.00
Science	3.00

Social Studies (3.00 credits)

To include .5 credit of each of the following:

U.S. History & Geography A	0.50
U.S. History & Geography B.....	0.50
Economics	0.50
Civics.....	0.50
World History & Geography A	0.50
World History & Geography B.....	0.50

Physical Education.....0.50

Health.....0.50

Visual, Performing or Applied Arts.....1.00

Foreign Language.....2.00

Class of 2021 – 30.5 Credits

Class of 2022 – 31.0 Credits

Class of 2023 – 31.0 Credits

Class of 2024 – 31.0 Credits

REQUIRED GRADUATION CREDITS

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 the schools, after graduation, so it is imperative that they are aware of drops in case admissions was based on course loads earlier in the year.

As the college admissions' web site 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 ACT/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

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 Kahn 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.actstudent.org.

SAT (Scholastic Aptitude Test) - Consists of testing in math, verbal, and writing 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 graders will take the SAT in April.

PSAT/NMSQT (Preliminary Scholastic Aptitude Test National Merit Qualifications) - This is the qualifying test for the National Merit Scholarship Program, the United Negro College Fund, and the National Hispanic Recognition Program. It is a shortened version of the SAT. **Every MHS 10th grader will take the PSAT/NMSQT in the fall and spring and every 11th grade will take the PSAT/NMSQT in the fall.**

PSAT10 The PSAT10 is a practice SAT exam. It is aligned to the SAT – meaning it has SAT question types 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/SMSQT, 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.

Every MHS 9th grader will take the PSAT8/9 in the fall and spring.

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

PSAT/NMSQT Practice for the 11th grade PSAT/NMSQT qualifier, which is used in the national merit scholarship program.
Every MHS 10th graders will take this in the fall and spring

11th Grade

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

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

12th Grade

ACT/SAT By December, if you need to raise your scores. The December test date is the latest you should test for qualification for the Michigan Competitive Scholarship Program that is based on financial need. Please check with a guidance counselor as to which test the State of Michigan will be using for this scholarship program.

NEW 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. 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 exams costs, some scholarships and college testing fees to name just a few.**

NCAA (National Collegiate Athletic Association)

NCAA Clearinghouse/Prospective Collegiate Student Athletes: Any high school student athlete planning to participate in collegiate athletics must be approved through the NCAA Clearinghouse. There are initial eligibility rules that must be met and the student-athlete's transcript must be mailed to the Clearinghouse. Student athletes should register at www.eligibilitycenter.org. The eligibility centers 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 on 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. 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 guidance counselor / student services coordinator. 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 seven (7) 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 that fail their college course will repay the school district the cost of the course. Check with your guidance counselor/student service provider for full details.

IVN (Interactive Video Network) Program

The Monroe County Intermediate School District (MCISD) Interactive Video Network (IVN) is a shared instruction program implementing new technology in the delivery of educational programming to students. This program allows students to participate in unique and advanced study courses that may not be available in his/her home district via two-way interactive television. Participation in this program is a privilege and subject to special rules and behavioral expectations. Past classes offered over IVN include Beginning and Intermediate Japanese Language and Forensics. Future course offerings depend upon teacher availability and student demand.

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 Advanced Placement courses, standard semester courses, and Flex-90 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 must 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 the 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.

COLLEGE CREDIT THROUGH CAREER TECHNICAL CENTER

Free college credit opportunities are available in certain CTE programs. The courses that apply are noted at the bottom of the course descriptions. Completion of these courses automatically qualifies students for free credit at local colleges and universities. Complete information can be obtained from the CTE office.

Career Clusters/Pathways

Career clusters/pathways are groups of careers that share similar characteristics and employment requirements that call for common interests, 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 Ready 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.

* A EDP form is at the beginning of this Curriculum Guide. Please complete each year and keep the 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 cluster/ 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 Student Service 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, student service coordinators/guidance 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.

Monroe County CTE Consortium



CONNECTING TALENT WITH CAREER

Click or Visit: <http://www.monroeised.us/departments/curriculum/career-and-technical-education/>

Course Category	Location	Course Category	Location
Accounting, Finance, Business Management		Construction Trades	
21 st Century Business	Bedford	Advanced Woods	Ida
21 st Century Business Advanced	Bedford	Cabinetmaking 1,2,3	Bedford
Accounting 1,2	Airport	Carpentry	Ida
Accounting 1,2,3	Bedford/Monroe	Construction Fundamentals 1,2,3	Bedford
Advanced Accounting 1,2	Jefferson	Construction Trades 1,2	Dundee
Beginning Accounting 1,2	Jefferson	Construction Trades 1,2	Mason
Business Law	Monroe	Construction Trades 1,2,3	Jefferson
Business Management 1,2	Airport	Construction Trades Fundamentals	Dundee
Finance & Accounting 1,2,3	Monroe	Construction Trades 1	Monroe
Generation E/Small Business Ownership	Monroe	Construction Trades 2 (Advanced)	Monroe
Office Management 1,2,3	Monroe	Construction Trades 3 (Advanced Home Building)	Monroe
Microsoft Academy	Bedford/Monroe	General Woods	Ida
Agriculture		Home Maintenance	Ida
Ag. Shop	Whiteford	Home Maintenance	Bedford
Agribusiness	Dundee	Interior Construction Trades	Dundee
Agribusiness/Ag Leadership	Whiteford		
Agriscience1/Zoology	Airport	Cosmetology	
Agriscience 2/Botany	Airport	Cosmetology	MCISD
Botany	Dundee	Cosmetology 1 & 2	Monroe
Ecosystem Analysis	Dundee		
Horticulture	Whiteford	Drafting/CAD	
Independent Agriscience Study	Dundee	Architectural Drafting	Ida
Mechanical Applications	Dundee	Architectural Drafting & CAD	Airport
Zoology	Dundee	Basic Drafting	Ida
Zoology	Whiteford	CAD Drafting Engineering	Airport
Audio/Visual Communications		CAD Fundamentals	Bedford
Advanced Radio & Television	Bedford	Drafting & Design 1	Monroe
Radio & Television Broadcasting Fundamentals	Bedford	Drafting & Design 2 (Architectural)	Monroe
Radio & Television Product. Skills 1,2	Bedford	Drafting & Design 3 (Engineering)	Monroe
Video and Audio Production	MCISD	Drafting & Design 4 (3-D Modeling)	Monroe
Automotive		Drafting Technology 1,2	Jefferson
Automotive Maintenance & Light Vehicle Repair 1,2	Airport	Drafting Design Technology 1,2,3	Bedford
Automotive Maintenance & Light Vehicle Repair 1,2,3	Bedford	Engineering/Architecture Fundamentals	Bedford
Automotive Technology 1,2,3	Jefferson	Technical Drafting	Airport
Automotive Technology 1,2	Monroe	Technical Drafting	Ida
Automotive Technology 3 (Adv. Automotive Systems/Performance)	Monroe		

CTE courses available to all high school students in Monroe County. Courses depend on student schedule and program availability. (Revised 1/18) Please note the location of eac class.



CONNECTING TALENT WITH CAREER

CLICK or VISIT <http://www.monroeisd.us/departments/curriculum/career-and-technical-education/>

Course Category	Location	Course Category	Location
Fashion Design		Manufacturing	
Fashion Design 1, 2	Monroe	CNC/Robotic Manufacturing	Bedford
Fashion Design 3 (Textile Art, Quilting)	Monroe	Fabrication & Repair	Jefferson
Health Science		Machine Technology 1,2,3	Bedford
Health Occupations 1	Monroe	Machine Tool 1	Monroe
Health Occupations 2 (Medical Terminology)	Monroe	Machine Tool 2 (Advanced)	Monroe
Health Occupations 3 (Clusters)	Monroe	Machine Tool 3 (CNC Operations)	Monroe
Health Occupations 4 (Nursing Essentials)	Monroe	Metals	Ida
Human Services		Small Engines	Ida
Baking and Pastry Arts	Bedford	Welding 1,2,3	Ida
Basic Foods and Nutrition Science	Bedford	Welding 1	Monroe
Child Development	Bedford	Welding 2 (Advanced)	Monroe
Clothing & Textile Arts	Bedford	Welding 3 (Advanced Skills)	Monroe
Consumer Awareness	Bedford	Welding Fabrication	Bedford
Exploring Foods and Nutrition Science	Bedford	Marketing	
Family Living	Bedford	Fashion Marketing 1	Airport
Interior Decoration 1,2	Bedford	Marketing 1,2	Airport
Lifetime Nutrition & Wellness	Bedford	Marketing 1,2	Monroe
Parenting	Bedford	Marketing 1,2	Jefferson
Relationships	Bedford	Marketing 3 (Sports and Entertainment Marketing)	Monroe
Information Technology Digital Media & Design		Marketing & Advanced Marketing	Bedford
AP Computer Science	Airport	School Store Operations	Bedford
Advanced Digital & Multimedia Design	Bedford	Sports Marketing	Airport
Computer & Game Design Programming	Bedford	Store Management	Jefferson
Computer Information Systems Administrator 1,2	Airport	The School Store	Jefferson
Computer Programming 1,2,3,4	Monroe	Science, Technology, Engineering & Mathematics (STEM)	
Digital Multimedia 1,2,3	Monroe	Electronics 1,2	Jefferson
Digital & Multimedia Design	Bedford	Electro-Mechanical 1 (Drones & Robotic Systems)	Monroe
Digital Multimedia 1 & 2	Airport	Electro-Mechanical 2 (Drone Design & Commercial Operation)	Monroe
Graphic Design 1 & 2	Jefferson	Electro-Mechanical 3 (Drone Applications)	Monroe
Web Page Design	Jefferson	Electro-Mechanical 4, (Drone Theory)	Monroe
		Mechatronics	Airport
		Renewable Energy	Ida

CTE courses available to all high school students in Monroe County. Courses depend on student schedule and program availability. (Revised 1/18)

CAREER CLUSTERS



[Agriculture, Food and Natural Resources](#)



[Arts, Audio/Video Technology and Communications](#)



[Education and Training](#)



[Government and Public Administration](#)



[Hospitality and Tourism](#)



[Information Technology](#)



[Manufacturing](#)



[Science, Technology, Engineering and Mathematics](#)



[Architecture and Construction](#)



[Business Management and Administration](#)



[Finance](#)



[Health Science](#)



[Human Services](#)



[Law, Public Safety, Corrections and Security](#)



[Marketing](#)



[Transportation, Distribution and Logistics](#)

Courses counting for Visual, Performing or Applied Arts
Graduation Requirement Credit 2020-2021

Art Foundations

Drawing 1

Drawing 2

Ceramics 1

Ceramics 2

Painting 1

Painting 2

Sculpture 1

Sculpture 2

2-D Portfolio Development 1

2-D Portfolio Development 2

3-D Portfolio Development 1

3-D Portfolio Development 2

Finance and Accounting 1, 2

Office Management 1, 2

Computer Programming 1, 2, 3, 4

Electro-Mechanical 1, 2, 3, 4

Machine Tooling

Welding 1, 2, 3

Family Living

Fashion Design 1, 2

Health Occupations 1, 2, 3

Generations of Sound

Education Foundations 1, 2

MHS Expressions

Concert Choir

Marketing 1, 2, 3

Digital Multimedia 1, 2, 3, 4

Automotive 1, 2, 3

Construction Trades 1, 2, 3

Drafting and Design 1, 2, 3, 4

Treble Chorus

Varsity Chorus

Music Theory

Musical Theatre

A Cappella

Piano 1, 2

Concert Band

Marching Band

Jazz Band

Orchestra


Wind Ensemble

MONROE HIGH SCHOOL ART DEPARTMENT


Arts and Communications Career Pathway



All courses in the MHS Art Department are designed to emphasize the students' 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 – One Semester/.5 Credit ****NOT OFFERED 2020-2021**** **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 model making, jewelry making, printmaking and various other applied arts. Exploration of the elements and principles of design, self-expression, creative thinking, problem 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 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 – One Semester/.5 Credit

Grades: 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. 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 skills.

CERAMICS 1 – One 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 necessary.

CERAMICS 2 – One Semester/.5 credit

Grades: 10-12

 *Visual, Performing and Applied Arts (VPAA)*


100026

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 – One 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. The students will be exposed to whole brain thinking and the creative thinking process. There will be an emphasis on drawing subject matter accurately. Students will begin a collection of drawings for their portfolio. This course will prepare students for higher level art courses. Students must be committed to developing their abilities and working toward mastery.

DRAWING 2 – One Semester/.5 Credit

Grades: 10-12

(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 be encouraged to sharpen their realistic drawing skills. This course will encourage creative problem solving and critical thinking. Students will work with and explore a variety of drawing media. Students must have received at least a “C” Semester grade in Drawing 1 (formerly called Beginning Drawing) to take this course.

PAINTING 1 – One 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 skill and the elements and principles of design will be introduced. Creative thinking and problem solving will be emphasized throughout the course.

PAINTING 2 – One Semester/.5 Credit

Grades: 10-12


 *Visual, Performing and Applied Arts (VPAA)*

100095

This class is an extension of Beginning Painting, 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 product 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 Beginning Painting to take this course.

SCULPTURE 1 – One Semester/.5 Credit

Grades: 9-12


 *Visual, Performing and Applied Arts (VPAA)*

100035

Students will develop basic 3-D building techniques. Students will practice good process and production methods. This class will explore various sculptural construction techniques and media. These will include Paper mâché, 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 – One Semester/.5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*


100036

(Prerequisite: “B” or higher in Beginning Sculpture)

Students will perfect their 3-D 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 mâché, wire, wood, 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.

2-D PORTFOLIO DEVELOPMENT 1 – 1.0 Credit

 *Visual, Performing and Applied Arts (VPAA)*

(Prerequisites: Drawing 1 and Drawing 2 are required with an achieved grade of A or B in both. Art Foundations is recommended, but not required.)


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 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.

Grades: 11-12

Semester 1---100039 (1A)

Semester 2---100040 (1B)

2-D PORTFOLIO DEVELOPMENT 2 – 1.0 Credit

 *Visual, Performing and Applied Arts (VPAA)*

(Prerequisite: Visual Arts Portfolio Development 1 with an achieved grade of A or B)


This course is for the serious self-motivated student who intends to pursue studies in art 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 “C” Semester grade in Visual Arts Portfolio Development to take this course.

Grade: 12

Semester 1---100041 (2A)

Semester 2---100042 (2B)

AP 2-D ART AND DESIGN – 1.0 Credit/Two Semesters

 *Visual, Performing and Applied Arts (VPAA)*

(Prerequisites: 2-D Portfolio Development 1 (formerly called “Visual Arts Portfolio Development 1”) with an achieved grade of A or B and Teacher Approval Required.)

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 2-D Art and Design portfolios. Students will create 2-D artworks 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.**


Grade: 12

Semester 1---100043 (1A)

Semester 2---100044 (1B)

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.)

3-D PORTFOLIO DEVELOPMENT 1 – 1.0 Credit/Two Semesters

 *Visual, Performing and Applied Arts (VPAA)*

(Prerequisites: Beginning and Advanced Ceramics, Beginning and Advanced Sculpture with a “B” or higher grade 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 3-D 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.

Grades: 11-12

Semester 1---100030 (1A)

Semester 1---100031 (1B)

3-D PORTFOLIO DEVELOPMENT 2 – 1.0 Credit/Two Semesters


 *Visual, Performing and Applied Arts (VPAA)*

(Prerequisites: Visual Arts Portfolio Development 1 with a “B” or higher grade and teacher approval.)

Grades: 12
Semester 1---100033 (2A)
Semester 1---100034 (2B)

This course is for the serious self-motivated student who intends to pursue studies in art 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 3-D Portfolio Development to take this course.

AP 3-D ART AND DESIGN – 1.0 Credit/Two Semesters

 *Visual, Performing and Applied Arts (VPAA)*

(Prerequisites: 3-D Portfolio Development 1 with an achieved grade of “B” or higher and Teacher Approval Required.)

Grades: 12
Semester 1---100037 (2A)
Semester 2---100038 (2B)

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 3-D Design portfolios. Students will create 3-D artworks 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.)

**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, 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 / Business Pathway – One Semester/.5 Credit
(*PREREQUISITE: None*)

Grades: 9-12
11015

This course follows guidelines set forth in the Generation E curriculum program, and is open to all students 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 the Young Entrepreneur Showcase at the end of the school year. This is good preparatory class for the college-bound business administration program or for those entering the business field upon graduation.

FINANCE AND ACCOUNTING PROGRAM

FINANCE and ACCOUNTING 1 – One Semester/.5 Credit

Grades: 9-12



Visual, Performing and Applied Arts (VPAA)

110025

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 first for sole proprietorship and a merchandising corporation. 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. Also, financial certification through Everfi will be incorporated. In addition, students are eligible for placement in the Work-Based Learning Program.

FINANCE and ACCOUNTING 2 – One Semester/.5 Credit

Grades: 9-12

(*PREREQUISITE: Finance & Accounting 1*)

110035

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 and ACCOUNTING 3 – One Semester/.5 Credit

Grades: 10-12

(PREREQUISITE: Finance & Accounting 2)

110045


 *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! This course will cover acquiring capital, depreciation, inventory, accruals and deferrals, and end-of-period fiscal work for a corporation. In addition, students are eligible for placement in the BMMT Work-Based Learning program.


BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY PROGRAM

OFFICE MANAGEMENT 1 – One Semester/.5 Credit

Grades: 9-12

 *On-Line Experience*

110145

 *Visual, Performing and Applied Arts (VPAA)*

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 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 State-recognized student business organization.

OFFICE MANAGEMENT 2 – One Semester/.5 Credit

Grades: 9-12

(PREREQUISITE: Office Management 1)

110155


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 – One Semester/.5 Credit

Grades: 10-12

(PREREQUISITE: Office Management 2)

110165

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

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. The latest in Microsoft Office 2019 will be used, business best-practices and employability skills are enforced to ensure students are prepared to a valuable 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 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 State-recognized student business organization.

BUSINESS SERVICES & TECHNOLOGY CO-OP –

Grades: 11-12

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

110110


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

BST 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 – One Semester/.5 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

110275


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 – One Semester/.5 Credit

Grades: 9-12

(PREREQUISITE: Marketing 1)

110285

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

The subject matter of this course 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.

SPORTS & ENTERTAINMENT MARKETING –One Semester/.5 Credit

Grades: 9-12

(PREREQUISITE: Marketing 1)

122175

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.

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

MARKETING CO-OP

Grades: 11-12

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

110200

(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 – One Semester/.5 credit

Grades: 9-10



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 the 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.

DIGITAL MULTIMEDIA 2 – One Semester/.5 credit

Grades: 10-12

(PREREQUISITE: Digital Multimedia 1)

111065

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 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.

DIGITAL MULTIMEDIA 3 – One Semester/.5 Credit

Grades: 10-12

(PREREQUISITE: Digital Multimedia 1)

111066



Fourth year math elective, if enrolled as a senior.

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*)

COMPUTER PROGRAMMING 1 – One Semester / .5 Credit

Grades: 9-12



Visual, Performing and Applied Arts (VPAA)

110182

The computer programming 1 course serves as an introduction to the computer programming CTE pathway. It is designed to give a broad overview of computer programming to allow students to decide if they want to commit to completing the entire pathway. The curriculum for this course is the first 3 units of the [Computer Science Discoveries](#) course developed by Code.org which includes the computing process, web development, and animations and gaming. This curriculum will be supplemented with introductory activities in the areas of robotics, geospatial technologies, and autonomous vehicles.

COMPUTER PROGRAMMING 2 – One Semester / .5 Credit

Grades: 10-12

(PREREQUISITE: successful completion of CPI)

110183

The curriculum for this course is the last 3 units of the [Computer Science Discoveries](#) course developed by Code.org which includes the design process, data and society, and physical computing. This curriculum will be supplemented with additional activities in the areas of robotics, geospatial technologies, and autonomous vehicles.

COMPUTER PROGRAMMING 3 – One Semester / 1 Credit / 2 Periods (Dbl Block)

Grades: 10-12

AKA AP Computer Science 1**110184****(PREREQUISITE: successful completion of CP1 and 2)**

The curriculum for this course is the first 3 units of the [Computer Science Principles](#) course developed by Code.org which includes the internet, digital information, and general principles of algorithms and program design. This curriculum will be supplemented with additional activities in the areas of robotics, geospatial technologies, and autonomous vehicles.

COMPUTER PROGRAMMING 4 – One Semester / 1 Credit / 2 Periods (Dbl Block)**Grades: 11-12****AKA AP Computer Science 2****110185****(PREREQUISITE: Computer Programming 2)**

The curriculum for this course is the last 2 units of the [Computer Science Principles](#) course developed by Code.org which includes big data, privacy, and building apps. This curriculum will be supplemented with additional activities in the areas of robotics, geospatial technologies, and autonomous vehicles.

**MONROE HIGH SCHOOL ENGINEERING, MANUFACTURING
and INDUSTRIAL TECHNOLOGY DEPARTMENT**
Engineering, Manufacturing and Industrial Career Pathway



The Engineering/Manufacturing and Industrial Technology (EMIT) Department offer 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 completer 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. Completer 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 – One Semester / .5 Credit

Grades: 9-12

(PREREQUISITE: None)

111016

This course follows guidelines set forth in the Generation E curriculum program, and is open to all students 9th through 12th grade. This course serves as foundation for the entire Engineering, Manufacturing and Industrial Technology Department. Characteristics of American industry and its environment are studied. Subject areas include: new and emerging technologies, new product research and development, job seeking skills. Students will do projects related to engineering and design skills. Local community support throughout all activities give students in this class a real-world experience of creating a business from the ground floor up.

AUTOMOTIVE ENGINEERING PROGRAM

AUTOMOTIVE TECHNOLOGY 1 –

Grades: 10-12

One Semester/1 Credit/2 Periods (*Dbl Block*)

122205



Visual, Performing and Applied Arts (VPAA)

This course is a part (1 of 3) of the Advanced Automotive Technology (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

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 – Two Semesters/2 Credits/2 Periods, (*Dbl Block*)
 (*PREREQUISITE: Automotive Technology 1, Teacher Interview*)

Grades: 10-12
Semester 1 – 122011



Fourth year math elective, if enrolled as a senior

Semester 2 - 122012

This course is the third part (2 of 3) of the Advanced Automotive Technology (NATEF approved) program series. This course section 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 Standards Automotive Technology Program that meets NATEF (National Automotive Technicians Education Foundation Standards).

AUTOMOTIVE TECHNOLOGY 3 – (Adv. Automotive Systems/Performance)
 Two Semesters/Two Credits/DBL BLOCK
122213

Grades: 10-12
Semester 1 -

(*PREREQUISITE: Automotive Technology 2, Teacher Interview*)

Semester 2 - 122214

This course is the fourth part (3 of 3) of the Automotive Technology (NATEF approved) program series. This course section 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 Standards 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 – One Semester/1 Credit/2 Periods (*Dbl Block*)

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

122225

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)

Grades: 10-12

Two Semesters/2 Credits/2 Periods, (*Dbl Block*)

Semester 1 - 122221

(*PREREQUISITE: Construction Trades 1, Teacher Interview*)

Semester 2 - 122231

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

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.).

CONSTRUCTION TRADES 3, (Advanced Home Building) –

Grades: 11-12

Two Semesters/2 Credits/2 Periods (*double block*)

Semester 1 – 122223

(*PREREQUISITE: Construction Trades 2, Teacher Interview*)

Semester 2 - 122224

This course is the third 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 1 – One Semester/Dbl Blk/1 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*


127775

This course is the first part (1 of 4) of the Computer Aided Drafting & Design program series. This is a beginning course in drafting for students to explore the various applications and careers within the CAD field. Students are exposed to mechanical, architectural, electrical and civil engineering as well as manufacturing and package design using AutoCAD software. Students will work in a team to create architectural structures using balsa wood. Team models will be entered into a state competition. CAD equipment including a vinyl cutter and color printer will be utilized in this class. If you like to mechanical drawing and enjoy computers this class is for you. *A grade of “C” or better is required to move on to additional courses in this program.*

DRAFTING & DESIGN 2 (ARCHITECTURAL) – Two Semesters/1 Credit (A & B) **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

This course is the second part (2 of 4) of the Computer Aided Drafting & Design program series. This is an advanced course in architecture for students interested in residential or commercial design, construction trades, and related occupations. This course covers a more dynamic and intensive study of Architectural Drafting, encompassing aspects of residential design. Students learn how to layout a set of home construction plans to include: floor plan, kitchen & bath design, elevations, wall & full building section details, and a site plan. Students will explore project planning across the construction trades including BIM studies. Students will continue to use AutoCAD but also take advantage of designing in 3-D using Punch and Revit software. Creating lifelike house models from floor plan designs is also included in this class. Students will participate in a house design competition where cash prizes are awarded and the winning design has the opportunity to be built in Monroe County. *A grade of “C” or better is required to move on to additional courses in this program.*

DRAFTING & DESIGN 3 (ENGINEERING) – Two Semesters/1 Credit (A & B) **Grades: 10-12**
(*PREREQUISITE: Drafting & Design 1 Grade, “C” or above*) **Semester 1 - 122271**
 *Fourth Year Math Elective, if enrolled as a Senior* **Semester 2 – 122272**

This course is the fourth part (3 of 4) of the Computer Aided Drafting & Design program series. During this course, students learn mechanical and civil engineering principles, land surveying and land mapping, and participate in the state-wide bridge design competition. Additionally, students learn advanced 2D drafting techniques and apply them to mechanical, automotive, and industrial piping design. Students will continue to use AutoCAD but will also learn to use ArcGIS and Microstation. *A grade of “C” or better is required to move on to additional courses in this program.*

DRAFTING & DESIGN 4, (3-D MODELING) – One Semester/.5 Credit **Grades: 11-12**
(*PREREQUISITE: Drafting & Design 2 or 3 completed in a prior academic year,* **122285**
Grade “C” or above.)

This course is the fourth part (4 of 4) of the Computer Aided Drafting & Design program series. Design your own computer generated 3-D house and walk through it or model your own race car. This is a 3-D course in mechanical and/or architectural design. This course covers 3-D modeling, rendering, material application, and animation. You will learn the modeling skills demanded in industry today and bring your designs to life with a state of the art 3-D printer. Students will be learning Punch and SolidWorks software.

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

ELECTRO-MECHANICAL PROGRAM


ELECTRO-MECHANICAL 1, (Drones & Robotic Systems) – One Semester/.5 Credit **Grades: 9-12**
 *Visual, Performing and Applied Arts (VPAA)* **122217**

Students will be introduced to the world of Unmanned Aerial Systems. Students will learn principles of electrical systems, circuitry, and mechanical design while building and operating entry level Unmanned Aerial Vehicles in a controlled environment. Through building UAV’s, students will also learn about industry tools and proper soldering techniques in order to repair electrical systems. Students will also be introduced to industrial robotic systems.

ELECTRO-MECHANICAL 2 – One Semester/1 Credit, 2 Periods (*Dbl. Block*)

Grades: 9-12

(*PREREQUISITE: Electro-Mechanical 1*)

 *Visual, Performing and Applied Arts (VPAA)*


122218

DRONE DESIGN & COMMERCIAL OPERATION: This course guide students deeper into the Unmanned Aerial Systems Industry. Topics will include Federal Regulations for UAS, components of Unmanned Aerial Vehicles, autopilot programming and flight plan development. Students will gain exposure across the career pathways for applications for Drone technology. Students will also continue to learn how drones and robotic systems work while gaining hands on experiences working with various technologies they may find in the workplace.

ELECTRO-MECHANICAL 3, (DRONE APPLICATIONS) - One Semester, 1 Credit/2 Periods (*Dbl Block*)

(*PREREQUISITE: Electro-Mechanical 2*)

Grades: 10-12

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

122219

This course will prepare students for the FAA Part 107 Exam. Students will take part in practice flight missions while learning more advanced flight maneuvers. At the conclusion of this course, students will have the opportunity to take the FAA Part 107 Exam and earn a Remote Pilot Certificate through the FAA. Must be 16 years of age or older to take the exam. This certificate allows the student to fly commercially.

ELECTRO-MECHANICAL 4, (DRONE THEORY) -

Grades: 10-12

One Semester/1 Credit/2 Periods (*Dbl Block*)

122220

(*PREREQUISITE: Electro-Mechanical 3*)

This course will provide all students who have passed the FAA Part 107 Exam and earned their Remote Pilot Certificate, an opportunity for an internship or support in developing a Drone based business within the career pathway of their choice. Students will continue to fly missions while developing their flying skills.

(*Free College Credit Agreements are in place that award college credit after series completion*)


MACHINE TOOL & CNC MANUFACTURING PROGRAM

MACHINE TOOL 1 (FUNDAMENTALS)

Grades: 10-12

One Semester/1 Credit/2 Periods (*Dbl Block*)

122245

 *Visual, Performing and Applied Arts (VPAA) MACHINISTS ARE IN HIGH DEMAND!*


This course is part (1 of 3) of the Machining program series. This course is for students interested in a mechanical/manufacturing or machining career. Students will develop entry-level skills in the production, operation, and quality control processes used in industry. The career classifications of machine operator and machinist apprentice are possible for future employment opportunities. The course will include instruction in the use of industrial material and the theory/methods of machine operations. Students will receive instructional/hands-on experience on the use of the band saw, drill press, lathe, milling machine, and surface grinder. In addition, students will be introduced and receive hands-on training in programming and operation of computer operated machine tools (CNC-Computer Numerical Control). In addition, students will use the CNC Lathe Turning Center. This class helps prepare students to enter a **Mechanical Engineering** occupation.

MACHINE TOOL 2, (ADV. APPL.) – Two Semesters/2 Credits/2 Periods (*Dbl Block*)

Grades: 10-12

(*PREREQUISITE: Machining 1, Teacher Interview*)

Semester 1 - 122242

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

Semester 2 - 122243

This course is the second part (2 of 3) of the Machining program series. This course is designed to allow students to build on skills learned in the previous course. This course is also designed to prepare you for a career in the intermediate levels of the machining, production, operation, engineering and quality control processes used in the manufacturing industry today. The career classifications of machine operator, machinist, die maker, mold maker, and quality control inspector are possible for future employment opportunities. The course will include an in-depth study of the theory/methods of machine operation as well as hands-on experience using a project-based

curriculum. Students will program and operate CNC 2 axis machines to prepare for the next level of 3 axis CNC machining.


MACHINE TOOL 3, (CNC OPERATIONS) -

Grades: 11-12

One Semesters /1 Credit/2 Periods (*Dbl Block*)

122246

(*PREREQUISITE: Machine Tool 2, Advanced Applications, Teacher Interview*)

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


This course is the third part (3 of 3) of the Machining program series. This course is designed to allow students to utilize advanced Computer Numerical Control (CNC) machining/manufacturing techniques. The theory of operation, programming, editing, and hands-on experience in the use of 3 axis CNC equipment is the focus of this course. The use of state-of-the-art CNC equipment is available for the student to gain real-world operating experience. This course is the capstone of the Machining and Manufacturing program. Students will be prepared for a career in the intermediate levels of the production, operation, and quality control processes used in the manufacturing.

(*Free College Credit Agreements are in place that award college credit after series completion*)

WELDING TECHNOLOGY PROGRAM

WELDING 1 – One Semester/1 Credit/2 Periods (*Dbl Block*)

Grades: 10-12

 *Visual, Performing and Applied Arts (VPAA) WELDERS ARE IN HIGH DEMAND!*

122355


This course is the first part (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 access to experience our state-of-the-art virtual welder.

WELDING 2, (ADVANCED) – Two Semesters/2 Credits/2 Periods (*Dbl Block*)

Grades: 10-12

(*PREREQUISITE: Welding 1, Teacher Interview*)

Semester 1 - 122261

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

Semester 2 - 122262

This course is the second part (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 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) – Two Semesters/2 Credits/2 Periods (*Dbl Block*)

Grades: 10-12

(*PREREQUISITE: Welding 2, Teacher Interview*)

Semester 1 - 122263

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

Semester 2 - 122264

This course is the third part (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 the 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, 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*)

ENGINEERING, MANUFACTURING and INDUSTRIAL TECHNOLOGY CO-OP – Grades: 11-12

1 or 2 Semesters/.5 credits per hour of Co-op. See Co-op Coordinator for hours available. **122222**

(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 & 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

EDUCATION FOUNDATIONS 1 – One Semester/1 Credit/2 periods (*Dbl Block*)

Grades: 11-12



Visual, Performing and Applied Arts (VPAA)

155505

(PREREQUISITE: Suggested but not required: Parenting and/or Picture Book and Preschoolers.

Students need a current physical, TB test, and a copy of their immunization record.)

This first-year course introduces the unique characteristics of the child, develops respect for children, and guidance skills that help them grow and develop. The student will gain knowledge that enables him/her to decide whether working 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; learn how parents and teachers influence the growth and development of the child; classroom management; an understanding of how education history effects 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 placement experiences in a preschool and elementary setting.

EDUCATION FOUNDATIONS 2 – One Semester/1 Credit/2 Periods (*Dbl Block*)

Grades: 11-12



Visual, Performing and Applied Arts (VPAA)

155506

(PREREQUISITE: Education Foundations 1. During the first-year course, student are required to maintain a "C" or higher grade point average for the course, have a good attendance record and no behavior issues.

This second-year course will expand knowledge of the teaching field through advanced lesson planning, job shadow observations, and advanced field placement experiences. The student will focus their learning on early childhood or primary/secondary education.

FAMILY LIVING – One Semester/.5 Credit

Grades: 9-12



Visual, Performing and Applied Arts (VPAA)

150005

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. Also included in the course will be the development of knowledge and skills which include practical problem solving techniques, dealing with stress, good communication skills, conflict resolution, and the impact and signs of physical and mental abuse.

PARENTING – One 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 – One Semester/.5 Credit**Grade: 12****150075**


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. Also included will be 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.

POSITIVE PEER INFLUENCE/INDEPENDENT STUDY – Two Semesters/1 Credit**Grades: 10-12***(PREREQUISITE: Teacher Approval Required)***Semester 1 - 150131**


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

Semester 2 - 150132

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 – Two Semesters/1 Credit****Grades: 9-12** *Visual, Performing and Applied Arts (VPAA)***155085**

This is a pre-requisite course (1 of 3) for the Fashion Design Program sequence. In this beginning sewing class, students will make projects such as a pin cushion, pillow, drawstring bag 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 – Two Semesters/1 Credit**Grades: 10-12** *(PREREQUISITE: Fashion Design 1) [C or better]***Semester 1 – 155086**

This is the second course (2 of 3) for the Fashion Design Program sequence.

Semester 2 - 155087

In the first semester, the student will complete one major wearable project 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 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) – Two Semesters/1 Credit
(*PREREQUISITE: Fashion Design 2*) [C or better]

Grades: 10-12
155125


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

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*)

HOUSING & INTERIOR DESIGN - One semester/.5 Credit

Grades: 11-12

 *Visual, Performing and Applied Arts (VPAA)*

150055

Interior design will include the development of housing and architectural styles, and a brief overview of home construction basics. The elements and principles of design, the use of color, backgrounds, furnishings, room arrangement and accessories will be studied. These general principles will be applied in a variety of individual projects in which the student can show how he/she can enrich the home interior both practically and aesthetically.


COSMETOLOGY 1 and 2 – Two Semesters per year/4 periods ea./2 credits ea./Dbl.Dbl.Block

Grades: 11-12

Michigan College of Beauty

Semester 1 - 188889

(*PREREQUISITE: Good Attendance, MCB Interview, Must provide own transportation*) **Semester 2 - 188890**

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

This is a two year, 8 credit – 1,500 hour course designed to prepare students for professional employment as hairstylist, hair color specialty, permanent waver, hair cutter, and manicurist. The students not only learns theoretical concepts during 215 classroom lecture hours, but 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 – 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 health care 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 health care professional. The Certified Nursing Assistant (CNA) 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 complete 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).

HEALTH SCIENCE PROGRAM

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

Grades: 10-12



Visual, Performing and Applied Arts (VPAA)

Semester 1 – 122281

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

Semester 2 - 122282

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 health care 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) – Two Semester/1 Period/1 credit
(PREREQUISITE: Health Occupations 1 or can be taken concurrent with HO1)

Grades: 10-12
122235



Visual, Performing and Applied Arts (VPAA)

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) – Two Semesters/1 Period/1 Credit **Grade: 11-12**
(PREREQUISITE: Health Occupations 2 (Medical Terminology), Anatomy & Physiology preferred, student records review and teacher interview)

Semester 1 – 122191
Semester 2 - 122192



Fourth year math elective, if enrolled as a senior

This course is the fourth part (4 of 4) in the Health Sciences program series. Student attendance, tardy, and discipline records will be reviewed to ensure that they meet program expectations. The purpose of this course is

to further expand on the knowledge and practice of communication and teamwork skills need in the health care setting. Students will learn many nursing aide skills for 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.

HEALTH OCCUPATIONS 4 (CLUSTERS) – One Semester/4 Periods/2 Credits (*Dbl/Dbl Block*) **Grade: 12**
(*PREREQUISITE: Health Occupations 2, (Medical Terminology), Student Records Review, and teacher interview*) **122275**

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

This course is the third part (3 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 health care 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. **120140**

(*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 (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 6.)

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 6.)



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 – Two Semesters/1.0 Credit

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

Grades: 9-12

Semester 1 – 140211

Semester 2 - 140212

ENGLISH AS A SECOND LANGUAGE (ESL) 2 – Two Semesters/1.0 Credit

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


Grades: 9-12

Semester 1– 140311

Semester 2 - 140312

09 ENGLISH – Two Semesters/1 Credit

Grade: 9

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


Semester 1 – 140031

The literary focus of the course is multi-genre literature. 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 introduced. Each student is expected to learn methods of research.

Semester 2 - 140032

10 ENGLISH – Two Semesters/1 Credit

Grade: 10

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

Semester 1 – 140041


Sophomore language arts continues to focus on multi-genre literature.

Semester 2 - 140042

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 – Two Semesters/1 Credit

Grade: 11

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

Semester 1 – 140051

The literary focus of the course for Semester A is centered primarily on the student's ability to analyze literature, both fiction and nonfiction, and to support analysis with textual based evidence. The literacy focus of the course for Semester B is centered on the interpretation of figurative language. The writing focus for both Semesters A & B is on evidence-based claims.

Semester 2 - 140052

11 ENGLISH AP, ENGLISH LANGUAGE AND COMPOSITION – 2 Semesters/1.0 Credits **Grade: 11**

 *This course will fulfill the English 11 requirement.*

Semester 1 – 140151


The purpose of this course is to help students “write effectively and confidently in their college courses across the curriculum and in their professional and personal lives” (The College Board, *AP® English Course Description*, May 2007, May 2008, p. 6). Students will complete expository and argumentative writing focusing on developing the traditional standards of composition. Students will read critically, think analytically, and communicate clearly both in writing and speech.

Semester 2 - 140152

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. (See AP requirement on page 6.)

12 ENGLISH – Two Semesters/1 Credit

Grade: 12

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


Semester 1 – 140081

The literary focus of this course is a survey of world literature from early Greek to modern 21st century. Classical, Medieval, Renaissance, and Modern periods of literature are studied, as well as works from other cultures.

Semester 2 - 140082

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 writing and verbal presentation.

12 ENGLISH AP, ENGLISH LITERATURE AND COMPOSITION – Two Semesters/1.0 Credit Grade: 12

 *This course will fulfill the English 12 requirement.*

Semester 1 – 140071

Semester 2 - 140072

Students are engaged in the close reading of literary works through which they 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.*

CONTEMPORARY NOVEL – One Semester/.5 Credit

Grades: 11-12

140195

This course is intended for the proficient and mature reader. 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 workshop.

CREATIVE WRITING I– One Semester/.5 Credit

Grades: 10-12

140135

This one-term elective class is designated for students **who like to write** and are at a 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 II– One Semester/.5 Credit (NOT offered in 2018-2019)

Grades: 10-12

(Prerequisite: Successful completion of Creative Writing I 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.

ENGLISH TUTORIAL 1 AND II

Grades: 10-12

Tutorial I: 140005

Tutorial II 140015

Application directions are available in the Student Services Department. Pre-approval is required from the applicant’s core curriculum teacher. Final approval will be made by the guidance counselor and the assigned core teacher. Students will practice their core knowledge, observe student behaviors as related to learning, discover and utilize teaching strategies that are effective, practice community service, develop a deeper social conscience regarding their peers, apply critical thinking skills to determine how to assist students with learning gaps, develop and improve communication skills, and encourage their tutees to become independent learners. Students will be graded on journal entries, weekly evaluations and feedback from the core teacher, a self-assessment of learning, an assessment by their tutees and a final essay.

HIGHLIGHTER – Two Semesters/1.0 Credits

Grades: 9-12

(PREREQUISITE: Teacher Approval Required)

140111, 140112

Highlighter members must possess a better than average writing ability, a sincere interest in photo journalism, and a keen sense of the responsibility that they are taking on in helping to produce the yearbook. Successful

completion of a journalism course is helpful, but not mandatory. Students write copy, take photos, design pages and sell business advertisements. A multiple year commitment is expected.

INTRO TO THEATER – One Semester/.5 Credit

**Grades 9-12
177031**

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 semester. 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.

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

**Grades: 9-12
140115**

This course is designed for students who wish to explore the influence and impact, which various media have on their daily lives. Students will examine the effects of television, social media, 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.

JOURNALISM - One Semester/.5 Credit

**Grades: 9-12
140125**

In this course, students will become newspaper interns in a fast-paced, active environment. To be successful in this course, a student should be a proficient, independent worker, be willing to ask for help, and have adequate writing 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.

LOTUS LEAF – Two Semesters/1.0 Credit

(PREREQUISITES: Journalism and Teacher Approval Required)

**Grades: 10-12
Semester 1 – 140131**

This course is limited to students who have completed a high school journalism class. **Semester 2 - 140132**
Students must submit a writing sample, application and be selected through an interview process the prior spring. This class is responsible for the production of the school newspaper.

MYTHOLOGY – One Semester/.5 Credit

**Grades: 9-12
140145**

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 main textbook is Mythology by Edith Hamilton. The influence of mythology on today's world is examined.

PICTURE BOOKS AND PRESCHOOLERS – One Semester/.5 Credit

(PREREQUISITES: C+ or better in your last English Course, student record review, teacher approval based on application and recommendation.)

**Grades: 11-12
140175**

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 work with preschooler's offsite 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 read and learn when they attend kindergarten and beyond. Students should expect to read, discuss, and write each day in this class. This

is a college-prep course. It is an excellent opportunity for students interested in a career in education, childcare, or psychology.

TV / MULTIMEDIA BROADCASTING 1 – One 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 Schools educational community including any of our local business and community partners.

144415

TV / MULTIMEDIA BROADCASTING 2 – One 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 – One Semester/.5 Credit

Grades: 9-10

140185

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.

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.

Monroe High School offers an integrated sequence of mathematics courses for all underclassmen. For simplicity, they are named Math 1, Math 2, Math 3, and Math 4. These courses offer the same content traditionally found in Algebra 1, Geometry, and Algebra 2 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 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”). Due to the nature of the courses, it is very difficult to take any of them concurrently (it is not suggested that Math 1 be taken at the same time as Math 2, for example).

Students are recommended for courses based on teacher assessments of the student’s ability. This may involve the use of diagnostic tests. Students and parents are advised to consider teacher recommendations very carefully and to consult with the teacher if questions arise about the placement.

The Mathematics Department supports the use of calculators. While a calculator is not always appropriate, calculator use is important in many areas 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, TI 89 and/or the TI-nSpire are the models that most teachers will use in the classroom and for demonstration purposes. Any of the models above are adequate for all of a student's mathematical studies during their high school years at MHS. 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).

MATH 1A / 1B – Two Semester /1 Credit

Grades: 9-10

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

Semester 1 – 160305

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

Semester 2 - 160315

This course is designed to introduce students to a variety of mathematical concepts. Topics include cause and effect, change over time, working with data, linear functions, exponential functions, polygons and polyhedra, quadratic functions, probability, and discrete mathematics. 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 Math 2. Students who do not successfully complete Math 1, and because it is a building block for all other math courses, must enroll in E2020, summer school, or online course.

MATH 2A / 2B – Two Semesters/1 Credit**Grades: 9-11***(It is recommended a graphing calculator [TI-83 Plus, TI-84 Plus and/or TI-89] be purchased for this class.)* **Semester 1-160325***This course fulfills one of the graduation requirements outlined by the MMC***Semester 2 - 160335**

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 SAT. 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 online course.

MATH 3A / MATH 3B - Two Semesters/2.0 Credits**Grades: 10-12*****Class will meet each day for the entire year.*****Semester 1 - 166404***(It is recommended a graphing calculator [TI-83 Plus, TI-84 Plus and/or TI-89] be purchased for this class)***Semester 2 - 166405***This course fulfills one of the graduation requirements outlined by the MMC*

This course is a double-block course and 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 SAT. 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 Math 4. Students successfully completing Math 3 and enrolling in Math 4 should also consider taking AP Statistics concurrently with Math 4. Students who do not successfully complete Math 3 must enroll in E2020, summer school, or re-enroll the following year. **Pending review.**

MATH 4A / MATH 4B – Two Semesters/1.0 Credits**Grades: 11-12***Recommended that student receive a ‘B’ or higher in Math 3***Semester 1 - 167404***(Guidance Counselor and Teacher Recommendation)***Semester 2 - 167405***(It is recommended a graphing calculator [TI-83 Plus, TI-84 Plus and/or TI-89] be purchased for this class.)**This course fulfills one of the graduation requirements outlined by the MMC*

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, vectors and motion, trigonometric functions, exponential & logarithmic functions, three-dimensional surfaces, and a small intro to calculus. A graphic calculator is recommended. Students successfully completing Math 4 should consider moving on to AP Calculus AB or AP Calculus BC (and/or AP Statistics, if they are not taking this currently with Math 4) to further their college-prep work in mathematics.

CALCULUS AB A / AB B, ADVANCED PLACEMENT – 1.0 Credit Possible**Grade: 12****1st & 2nd Semester Required****Semester 1 – 160021***(PREREQUISITE: “C” or better in Math 4)***Semester 2 - 160022***(It is recommended a graphing calculator [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 highly recommended 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 – 1.0 Credit Possible
1st & 2nd Semester Required

Grade: 12
Semester 1 – 160031
Semester 2 - 160032

(PREREQUISITE: “C” or better in Math 4) (It is recommended a graphing calculator [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. 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 highly recommended 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–One Semester/.5 Credit

Grade 12

(If students are taking more than one Comprehensive Math course, this course should be taken first) 166615
(Students should seek guidance from their junior year math teacher when considering this course)

This class is designed for students planning to take Math 090 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–One 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) 166616

(It is recommended 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.)

This class is designed for students planning to take Math 092 at MCCC and/or hoping to test out higher than Math 092 on the Accuplacer test. It will cover fundamental concepts of algebra such as factoring and solutions to linear equations. It also includes solutions of rational equations, quadratic equations, and systems of 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–One Semester/.5 Credit

Grade 12

(If students are taking more than one Comprehensive Math course, this course should be taken last) 166617
(It is recommended 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.)

This class is designed for students planning to take Math 151 at MCCC. It will cover properties of real numbers, solutions of first- and second-degree polynomial equations and inequalities, systems of equations and their graphs, basic properties of logarithms, complex numbers, 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.

FINANCIAL LITERACY – One Semester/.5 Credit

**Grade: 12
160065**

This is a rigorous 4th year math course focusing on the mathematics behind spending wisely and making money grow. Students are encouraged to suggest topics of interest to cover in the course. Topics may include checking and savings accounts, borrowing money, credit cards, installment buying, making a budget, paying taxes, automobile ownership, independent living, and the stock market.

MATH TUTORIAL I AND II

**Grades: 10-12
Tutorial I: 160205 Tutorial II: 160215**

Application are available in the Student Services Department. Pre-approval is required from the applicant's core curriculum teacher. Final approval will be made by the guidance counselor and the assigned core teacher.

Students will practice their core knowledge, observe student behaviors as related to learning, discover, and utilize teaching strategies that are effective, practice community service, develop a deeper social conscience regarding their peers, apply critical thinking skills to determine how to assist students with learning gaps, develop and improve communication skills, and encourage their tutees to become independent learners. Students will be graded on journal entries, weekly evaluations and feedback from the core teacher, a self-assessment of learning, an assessment by their tutees and a final essay.

**STATISTICS, ADVANCED PLACEMENT – 1.0 Credit Possible
1st & 2nd Semester Required**

**Grades: 10-12
Semester 1 – 160041
Semester 2 - 160042**

(PREREQUISITE: "C" or better in Math 2)

(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-nSpire] be purchased for this class.)


This class will have an online portion to it, so students will need computer access to complete some of the material. 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. **NOTE: It is expected that all students taking this class pay for and take the Advanced Placement exam in Statistics at the end of the school year. Successful completion of the exam may result in college credit. (See AP requirement on page 6.)**

MONROE HIGH SCHOOL MUSIC EDUCATION DEPARTMENT

Arts and Communications 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, which 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 - One Semester/.5 Credit

Grades: 9-12

PREREQUISITE: 1 semester Band, Orchestra, Choir, Piano I OR Permission on Instructor


170055

 *Visual, Performing and Applied Arts (VPAA)*

Music Theory students will study 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 a 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 – One 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 skill on the piano. Students will be introduced to basic elements of rhythm, note names, clefs, meters and musical terminology. Proper fingering, phrasing, dynamics, and expressions will be interjected as well.

PIANO 2 – One 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 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 THEATER – First 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.

A CAPPELLA CHOIR – Second 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 – Two Semesters Preferred; One Semester Required/1 or .5 Credits

Grades: 10-12

(PREREQUISITE: Audition or Permission of Director)

Semester 1 – 170001


 *Visual, Performing and Applied Arts (VPAA)*

Semester 2 - 170002

Students interested in Concert Choir must have an audition with the conductor. A certain knowledge of music reading, singing ability and desire to work is required. Class work will consist of learning basic knowledge of music and musical terminology, as well as occasional staging and choreography. Opportunities will exist for special solo and ensemble work for special projects. 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 have an opportunity for displaying his or her abilities.

TREBLE CHORUS – Two Semesters Preferred; One Semester Required/1 or .5 Credits

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*


Semester 1 – 170131

Semester 2 - 170132

This course does not require an audition and is open to all students who have an interest in singing. 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 team work. The work in this class will help prepare the student to audition for select ensembles offered by the music department.

VARSITY CHORUS – Two Semesters Preferred; One Semester Required/1 or .5 Credits

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 170124

Semester 2 - 170125


This course does not require an audition and is open to all male 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 team work. The work in this class will help prepare the student to audition for select ensembles offered by the music department.

MONROE EXPRESSIONS – Two Semesters Required/1 Credit

Grades: 10-12

(PREREQUISITE: Audition)

Semester 1 – 170041

 *Visual, Performing and Applied Arts (VPAA)*

Semester 2 - 170042


This course is a select group of 20 to 40 women who will perform works which are complex in nature. Membership will be on an audition basis. Students will be trained to semi-professional 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 – Two Semesters Required / 1.0 Credit

Grades: 11-12

(PREREQUISITE: Audition)

Semester 1 – 170021

 *Visual, Performing and Applied Arts (VPAA)*

Semester 2 - 170022


Generations of Sound is a select group of 20 to 24 singers. The student gains training in top-level music, staging and choreography, 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

CONCERT BAND – Two Semesters Required/1 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 170011

Membership in this ensemble is open to all students who 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 also strongly recommended that all students consider enrolling in Trojan Marching Band.


JAZZ BAND – Two Semesters/1 Credit

Grades: 9-12

(PREREQUISITE: Audition and Instructor Approval, required for 9th grade students, and membership in Concert Band and/or Wind Ensemble)

Semester 1 - 170031


Semester 2 – 170032

 *Visual, Performing and Applied Arts (VPAA)*

This is a select group that requires a great deal of dedication and outside effort. The music difficulty and performance standards are very high. Membership also involves performances both in and outside the school day with some travel.

ORCHESTRA – Two Semesters Required/1 Credit

Grades: 9-12

 *Visual, Performing and Applied Arts (VPAA)*

Semester 1 – 170071

Semester 2 - 170072

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

TROJAN MARCHING BAND – First Semester / .5 PE Credit

Grades: 9-12

170130

This course does not require an audition. To earn credit, 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. Concurrent enrollment in Concert Band or Wind Ensemble is mandatory, with exceptions at the discretion of the director.


WIND ENSEMBLE – Two Semesters Required/1 Credit

Grades: 10-12

(PREREQUISITE: Audition)

Semester 1 – 170121

Semester 2 - 170122


 *Visual, Performing and Applied Arts (VPAA)*

Membership in this ensemble is by audition only. This is a select group of band students who exhibit a high level of ability and dedication to the band program. Members of the group will also be members in the M.H.S. Trojan Marching Band. Band members will have several responsibilities outside the school day including concerts and concert festivals, marching at varsity football games, marching festivals, and parades, weekly evening rehearsals in the Fall and two one-week band camps in July and August. All members are expected to serve in both the concert and marching aspects of the group. Membership in this group represents a very high degree of commitment and self-discipline.

MONROE HIGH SCHOOL PHYSICAL EDUCATION DEPARTMENT


Health and Human Services 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 life time 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 – One Semester/.5 Credit

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 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 – One 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 for 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 – One 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 cardio vascular 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.

SWIMMING 1 – One Semester/.5 Credit

Grades: 9-12

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

180025


Skills will be adapted for both groups with 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.

SWIMMING 2 - One Semester/.5 Credit

Grades: 9-12

(PREREQUISITE: Advanced Swimming Skills)

180005


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

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 individual lifesaving, water games, 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.

TEAM SPORTS 1 – One 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 – One Semester/.5 Credit

Grades: 11-12

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


180075

Eligible to students that want to compete against or work out with other competitive athletes or students who earned a 'B' or higher in Team Sports.

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 – One Semester/.5 Credit

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 with a coordinating GPA for eligibility 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 – One Semester/.5 Credit

Grades: 9-12

(PREREQUISITE: Must be on Freshman - Varsity Football Team or played at MMS or have Teacher Approval.)


FBTheory

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

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 skill 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 – Two Semesters/1 Credit

Grades: 11-12

(*PREREQUISITES: Biology and Chemistry or Chemistry in the Community*)

190021, 190022

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, dissection, and computer monitoring of bodily functions. Active participation is required. This course is useful to students following the Health Career Pathways who plan on entering the medical and health careers.

BIOLOGY – Two Semesters/1 Credit

Grade: 9

 This course fulfills one of the graduation requirements outlined by the MMC. **319011, 319012**

This course has been designed to cover the Next Generation Science Standards for Biology and the Common Core for science writing. Students will learn about cells, genetics, evolution, and ecology by exploring the eight characteristics of living things. During this time, we will focus on Essential Course Outcomes with daily learning goals. Students are expected to keep up with daily assignments and Participate in a variety of laboratory experiences.

BIOLOGY, AP – Two Semesters/ 1 Credit

Grades: 10-12

(*PREREQUISITE: Biology with an achieved grade of A or B; Chemistry concurrent with or an achieved grade A or B; and Anatomy and Physiology recommended.*)

190031, 190032

AP Biology is an extremely rigorous college-level course that requires extensive independent study in addition to class participation. Emphasis will be placed in developing the study skills needed to be successful at mastering material to the depth required. The course is centered around the following concepts: macromolecules; cell needs; cell communication; bacteria & viruses; DNA replication, transcription & translation; genetics; evolution and ecology. Students will learn about these concepts through reading a variety of texts, listening to live lecture, 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 – Two Semesters/1 Credit

Grade: 10

(*PREREQUISITES: Successful completion (“C” or better GPA) of Algebra 1 and Biology*)


190061, 190062

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

Chemistry will be presented as a modern science for critical thinkers. This course will be employed as a vehicle for teaching critical thinking skills (problem solving, decision making, analysis, and synthesis) while discussing the following topics: atomic structure, chemical bonding, chemical composition, gas laws, chemical kinetics and stoichiometry. Chemistry education is approached as a hands-on experience. Students will be designing and doing experiments; collecting, reporting and interpreting data; and preparing laboratory reports. Work will be individualized, with lab partners, or in cooperative groups. **Materials: Students are required to maintain a year-long notebook. They should also have a scientific or graphing calculator.**

CHEMISTRY IN THE COMMUNITY – Two Semesters/1 Credit
(**PREREQUISITE: Biology**)

Grade: 10
Semester 1 – 190111

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

Semester 2 - 190112

Chemistry in the Community is designed to give students an in-depth look at how chemistry affects their life in many different areas. This course is designed as an inquiry into common issues or problems that are based on chemistry topics. Topics to be investigated include: water resources, chemical resources, petroleum uses and resources, air and climate chemistry. Additional topics that may be covered include: the chemical industry, nuclear chemistry, food chemistry. This course includes several laboratory investigations and will require both individual and cooperative group work. Laboratory investigations include collecting, reporting and interpreting data and applying the new knowledge to students own lives; as well as designing some of their own investigations. Chemistry in the Community will require mathematical calculations, but is not an algebra based chemistry course.
Materials: Students are required to maintain a year-long notebook and will need a calculator.

CHEMISTRY, AP – 2 semesters/ 1 credit
(**PREREQUISITES: Successful completion (“B” or better GPA) of Math 1, Chemistry, and Physics may have been taken previously or concurrently.**)

Grades: 11-12
Semester 1 – 190041
Semester 2 - 190042

Advanced Placement Chemistry is a rigorous college-level course that requires extensive independent study in addition to class participation. Emphasis will be placed on development of study skills, improving laboratory techniques, collaborating with others, and communicating results. The course material focuses on the following concepts: matter and measurement, atoms, molecules and ions, patterns and trends in the periodic table, 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. There will be a large emphasis on using mathematics in the analysis of experimental results and development of conceptual understanding, and writing in-depth laboratory reports. A graphing calculator is recommended for the course.

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 – One Semester/1 Credit
(This course is a prep for an AP Environmental course in 2019-2020)

Grades: 10-12
190305

(**PREREQUISITES: Successful completion of Biology with an A or B, or teacher approval.**) **This class will be double-blocked for one Semester.**

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 open to all Monroe County High Schools], and it will be taught at the Knabusch Math and Science Center. Bus transportation for MPS students will be provided every day of class.

ENVIRONMENTAL, AP – 2.0 Credits Possible
(**PREREQUISITES: Successful completion of Biology, Chemistry and Math 2.**)
This course will be double-blocked for the entire year.

Grades: 11-12
190131, 190132

The goal of the AP Environmental Science course is to provide students with the 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 – One Semester/.5 Credit*(PREREQUISITE: Biology, Math 1)***Grades: 10-12
190805**

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 in order to utilize the techniques learned in the course. Students will also investigate case studies of famous crimes.

PHYSICAL SCIENCE – Two Semesters/1 Credit*(PREREQUISITE: Chemistry or Chemistry in the Community, Math 1)***Grade: 11
Semester 1 - 190121***This course fulfills one of the graduation requirements outlined by the MMC***Semester 2 - 190122**

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 builds 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 – Two Semesters/1 Credit*(PREREQUISITE: Proficiency in Math 1) [C or better] (COREQUISITE: 2 Tri Math 3)***Grade: 11***(Strongly suggest that Math 3 is already completed.)***Semester 1-190151***This course fulfills one of the graduation requirements outlined by the MMC.***Semester 2-190152**

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 required/1.0 Credit*(PREREQUISITE: Proficiency in Math 1) [C or better]***Grade: 10-12***(COREQUISITE: Currently enrolled in Comp Math 2) Physics 1 Algebra-based***Semester – 190051****Semester - 190052**

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.

PHYSICS, AP C*(PREREQUISITE: Physics) (COREQUISITE: Math 4, Math 3, or Calculus AB/BC)***Grade: 11-12****AP Physics C Mechanics Calculus-based****Semester 1 - 190053**

AP Physics C: Mechanics is a year-long, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.

SCIENCE TUTORIAL I AND II

Applications are available in the Student Services Department.

Grades: 10-12

Pre-approval is required from the applicant's core curriculum teacher. Final approval

Tutorial I: 190175

will be made by the guidance counselor and the assigned core teacher. Students will practice their core knowledge, observe student behaviors as related to learning, discover and utilize teaching strategies that are effective, practice community service, develop a deeper social conscience regarding their peers, apply critical thinking skills to determine how to assist students with learning gaps, develop and improve communication skills, and encourage their tutees to become independent learners. Students will be graded on journal entries, weekly evaluations and feedback from the core teacher, a self-assessment of learning, an assessment by their tutees and a final essay.

Tutorial II: 190185

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 **freshmen year**, students have two choices: **US History or AP US History**. AP US 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 – One Semester/.5 Credit

Grades: 9-12
200065

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.

CIVICS – One Semesters/.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. 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—One 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.

HISTORY VS. HOLLYWOOD – One 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. 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.

PSYCHOLOGY – One Semester/.5 Credit

Grades: 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, ADVANCED – One Semester/.5 Credit

Grades: 11-12
200005

(PREREQUISITES: "C" or better in Psychology)

Advanced 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 – Two Semesters/1 Credit

Grades: 11-12
200175

(PREREQUISITES: Successful completion of Psychology with "A or B")

Advanced Placement Psychology is a rigorous college level course that requires much independent work in addition to class participation. Students should expect to meet high expectations of quantity and quality of work. 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.

SOCIAL STUDIES TUTORIAL I AND II

Grades: 10-12

(Core Teacher and Guidance Counselor Recommendation and Approval.)

Tutorial I: 200225

Applications will be available in the Student Services Department.

Tutorial II: 200235

Pre-approval is required from the applicant's core curriculum teacher. Final approval will be made by the guidance counselor and the assigned core teacher.

Students will practice their core knowledge, observe student behaviors as related to learning, discover teaching strategies that are effective, practice community service, develop a deeper social conscience regarding their peers, apply critical thinking skills to determine how to assist students with learning gaps, develop and improve communication skills, and encourage their tutees to become independent learners. Students will be graded on journal entries, weekly evaluations and feedback from the core teacher, a self-assessment of learning, an assessment by their tutees and a final essay.

SOCIOLOGY – One Semester/.5 Credit

Grades: 9-12
200105

Sociology is the study of human society and group behavior.

Studying sociology can help you to gain a new perspective for looking at yourself and the world. This interesting course covers topics such as the following: cultural diversity, 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 – Two Semesters/1.0 Credits

(PREREQUISITE: Teacher Approval Required)

A student is selected for this course with the approval of the Student Council

Selection Committee. Students interested in the class must fill out an application. Applications are available in the spring of each year. Student Council officers are voted on by the student body. Students will receive a mid-term and final evaluation. Students who receive a satisfactory evaluation will remain in the class. Monroe High School Student Council provides the student with the opportunity to participate in the government and policy making process of Monroe High School. It gives students the opportunity to enhance leadership skills, organize and participate in school activities and community service.

Grades: 9-12

Semester 1 - 200091

Semester 2 - 200092

STUDENT COUNCIL WORKSHOP – One Semester/.5 Credit

(PREREQUISITE: Must be enrolled in Student Council)

This is a workshop course for Student Council members to work on projects,

campaigns and other leadership activities. It is mandatory for the Election Board to be in this course, but optional for other members of the council.

Grades: 9-12

Semester 1 – 200094

Semester 2 - 200096

SWEATSHOPS, LAYOFFS, SNEAKERS, AND YOU – One Semester/.5 Credit

(PREREQUISITE: Passing grade in Economics)

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.

Grades: 10-12

200055

UNDERSTANDING THE LAW – One Semester/.5 Credit

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

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.

Grades: 9-12

200095

U. S. HISTORY & GEOGRAPHY A & B – Two Semesters/1.0 Credit

Grade: 9



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

200011, 200012

U.S. History A: This course is designed to investigate the history and culture of different ethnic, racial, and socio-economic groups within the framework of American History from 1870 to 1940. The following themes will be taught: Industrialization, Immigration, Imperialism, Progressive Era, World War 1, and the Great Depression.

U.S. History B: This course is designed to investigate the history and culture of different ethnic, racial, and socio-economic groups within the framework of American History from 1940 to the present. Themes will include World War II, Post-War America, the Cold War, Civil Rights, and Post-Cold War.

AP U.S. HISTORY – Two semesters required/1.0 Credits

Grade: 9-12

9th Grade — The year-long AP U.S. History course satisfies the US History graduation requirement and is designed to develop students' understanding of

Semester 1 – 222011

Semester 2 - 222012

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 – Two Semesters/1.0 Credits

Grade: 11



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

200211, 200212

World History & Geography A: World History takes a global and comparative approach to studying the world and it is past to develop greater understanding 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.

World History & Geography B: This course will begin with the age of age of absolutism and conclude in the present day. 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.

AP WORLD HISTORY – Two semesters required/ 1.0 Credits

Grade: 10-11

10TH OR 11TH Grade — The year-long AP World History course satisfies the World History graduation requirement and is designed to develop students'

Semester 1 - 222211

Semester 2 - 222212

understanding of world history from approximately 8000 BCE to the present. Students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, developing and using the same critical thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological and argumentation) used by historians studying history. Students explore five themes (interaction between humans and their environment; development and interaction of cultures; state building, expansion and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) in order 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 SPECIAL SERVICES DEPARTMENT

All Career Pathways

Students, please note that in order to take any courses in Special Services, you must have an Individualized Education Plan (IEP)

The Monroe High School Resource Room/Categorical program was developed to provide qualified students with individualized instruction in academic areas with an emphasis on personal adjustment and independent living skills. Placement in the program is based on an evaluation and the decision of an Individualized Education Planning Committee.



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

LANGUAGE ARTS

ENGLISH 9 CO-TAUGHT – Two Semesters/1 Credit
(*PREREQUISITE: IEP & Teacher Recommendation*)

Grade: 9

Semester 1 – 210021



This course fulfills one of the graduation requirements outlined by the MMC. **Semester 2 - 210022**

The literary focus of the course is multigenre literature. 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 introduced. Each student is expected to learn methods of research.

ENGLISH 10 CO-TAUGHT – Two Semesters/1 Credit
(*PREREQUISITE: IEP & Teacher Recommendation*)

Grade: 10

Semester 1 – 210031



This course fulfills one of the graduation requirements outlined by the MMC. **Semester 2 - 210032**

Sophomore language arts continues to focus on multigenre literature with an introduction to early American Literature at the end of the course. 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, focusing on, but not limited to library resources.

ENGLISH 11 CO-TAUGHT – Two Semesters/1 Credit
(*PREREQUISITE: IEP & Teacher Recommendation*)

Grade: 11

Semester 1 – 210041




This course fulfills one of the graduation requirements outlined by the MMC. **Semester 2 - 210042**

The literary focus of the course is a survey of American Literature spanning the literary periods from the beginning of the 19th century through today. The theme of the course is the American Dream as it changes from one period of literature to the next.

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 writing and verbal presentation.

ENGLISH 12 CO-TAUGHT – Two Semesters/1 Credit
(**PREREQUISITE: IEP & Teacher Recommendation**)

Grade: 12
Semester 1 – 210051
Semester 2 - 210052

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

The literary focus of this course is a survey of world literature from early Greek 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 writing and verbal presentation.

MATHEMATICS

MATH 1 CO-TAUGHT – Two Semesters/1 Credit

Grades: 9-10
Semester 1 - 210134
Semester 2 - 210135

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

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

This course is designed to introduce students to a variety of mathematical concepts. Topics include cause and effect, change over time, working with data, linear functions, exponential functions, polygons and polyhedra, quadratic functions, probability, and discrete mathematics. 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 Math 2. Students who do not successfully complete Math 1, and because it is a building block for all other math courses, must enroll in E2020, summer school, or online course.

MATH 2 CO-TAUGHT – Two Semesters/1 Credit

Grades: 9-11
Semester 1 – 210140
Semester 2 - 210145

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

 *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, matrices, analytic geometry, regression and correlation, quadratic functions, logarithmic functions, discrete mathematics, 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 (2-tri) or Math 3 (4-tri). 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 online course.

SCIENCE

CHEMISTRY IN THE COMMUNITY, CO-TAUGHT – Two Semesters/1 Credit
(**PREREQUISITE: Biology**)

Grade: 10
Semester 1 – 210241

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


Semester 2 - 210242

Chemistry in the Community is designed to give students an in-depth look at how chemistry affects their life in many different areas. This course is designed as an inquiry into common issues or problems that are based on chemistry topics. Topics to be investigated include: water resources, chemical resources, petroleum uses and resources, air and climate chemistry. Additional topics that may be covered include: the chemical industry, nuclear chemistry, food chemistry. This course includes several laboratory investigations and will require both individual and cooperative group work. Laboratory investigations include collecting, reporting and interpreting data and applying the new knowledge to students own lives; as well as designing some of their own investigations. Chemistry in the Community will require mathematical calculations, but is not an algebra based

chemistry course. *Materials: Students are required to maintain a year-long notebook and will need a calculator.*

PHYSICAL SCIENCE CO-TAUGHT – Two Semesters/1 Credit
(*PREREQUISITE: Biology, Math 1, IEP & Teacher Recommendation*)

Grades: 11
Semester 1 – 210251


 *This course fulfills one of the graduation requirements outlined by the MMC.* **Semester 2 - 210252**

This Physical Science course boosts student success by first building a solid conceptual understanding of physics. This course meets the Michigan High School Physics Essential Content Expectations and will prepare the students for the Michigan Merit Examination. **This class will not count as a Physics class under the Michigan 2007 graduation requirements.** Physical Science uses meaningful examples and hands-on activities. Which builds 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.

SOCIAL STUDIES

CIVICS CO-TAUGHT – One Semester/.5 Credit
Prerequisite: IEP & Teacher Recommendation


Grades: 10
210345

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

This course introduces students to the study of local, state, and federal government. The major emphasis of this course deals with the basic structure and function of our republic. 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 principle, which will allow them to put their understanding of Democracy in perspective.

ECONOMICS CO-TAUGHT —One Semester/ .5 Credit
Prerequisite: IEP & Teacher Recommendation

Grades: 10
210355

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

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.

U. S. HISTORY & GEOGRAPHY A & B CO-TAUGHT– Two Semesters/1.0 Credit

Grade: 9

 *This course fulfills one of the graduation requirements outlined by the MMC.* **210331, 210332**

U.S. History & Geography A: This course is designed to investigate the history and culture of different ethnic, racial, and socio-economic groups within the framework of American History from 1870 to 1940. The following themes will be taught: Industrialization, Immigration, Imperialism, Progressive Era, World War 1, the 1920's, and the Great Depression.

U.S. History & Geography B: This course is designed to investigate the history and culture of different ethnic, racial, and socio-economic groups within the framework of American History from 1940 to the present. Themes will include World War II, Post-War America, the Cold War, Civil Rights, and Post-Cold War.

WORLD HISTORY & GEOGRAPHY A CO-TAUGHT – One Semester/.5 Credit

Prerequisite: IEP & Teacher Recommendation

Grade: 11
210351, 210352



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

World History & Geography A: World History takes a global and comparative approach to studying the world and its past to develop greater understanding 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 wave of globalization in 1800. 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.

World History & Geography B: World History takes a global and comparative approach to studying the world and its past to develop greater understanding worldwide events, processes, and interactions among the world's people, cultures, societies, and environment. This course will begin with the age of Global Revolution and conclude in the present day. 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.

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 foreign language is added to professional credentials. It is recommended that students take at least two years of the same language.

FRENCH 1– Two Semesters/1 Credit

Grades: 9-12

Students will be introduced to the basics of everyday conversation in French.

Semester 1 – 130001

This course is conducted mostly in French. [The goal of this course is for students

Semester 2 - 130002

to develop good communication skills. The primary focus of this class is on the listening skill 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 a basic level. Additionally, this course introduces students to the culture of the French-speaking world.

FRENCH 2 – Two Semesters/1 Credit

Grades: 10-12

(PREREQUISITE: French 1A and 1B)

Semester 1 – 130011

Students will continue to work on everyday conversation skills in French.

Semester 2 - 130012

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 the listening skill 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 – Two Semesters/1 Credit

Grades: 11-12

(PREREQUISITE: "C" or better in French 2)

Semester 1 – 130021

Students will continue to work on everyday conversation skills in French at a more

Semester 2 - 130022

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 – Two Semesters/1 Credit

Grade: 12

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

Semester 1 – 130031

Students will continue to work on everyday conversation skills in French at a more

Semester 2 - 130032

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.

JAPANESE 1 – Two Semesters/ 1 Credit

(Interactive Video Network) See page 7 for explanation of IVN

Take advantage of an opportunity to discover Japanese language and culture for yourself. Forget what you may know about foreign languages or about English. This language takes a completely different approach to communication. As we learn, we'll investigate many aspects of Japanese culture. From ukiyo-e to umeboshi, Japanese culture will intrigue you. Students will be introduced to basic conversation patterns and to the two Japanese syllabaries, hiragana and katakana, as well as a few basic ideographs, kanji. The course will meet in the Distance Learning room and will cover the four basic language skills in a culturally contextualized format.

Grades: 9-12

Grades: 9-12

Semester 1 – 130141

Semester 2 - 130142

JAPANESE 2 – Two Semesters/ 1 Credit

(Interactive Video Network) See page 7 for explanation of IVN

(PREREQUISITE: "C" or better in Japanese 1)

A continuation of Japanese 1. This class will be taught over the IVN network. It will continue to teach the four basic language skills in a culturally contextualized format. Students will increase their mastery of the syllabaries, while adding additional kanji to their knowledge base and increasing their understanding of Japanese vocabulary, grammar, and culture.

Grades: 10-12

Semester 1 – 130151

Semester 2 - 130152

JAPANESE 3 & 4 – Two Semesters/ 1 Credit

(Interactive Video Network) See page 7 for explanation of IVN

A continuation of Japanese 2. The class will be taught over the IVN network. The course continues to teach the four basic language skills: listening, reading, writing, and speaking, in a culturally contextualized format. Students will increase their ability to read and write kanji, while they expand their vocabulary, grammar, and understanding of Japanese culture.

Grades: 11-12

Japanese 3: 130161 (Sem 1), 130162 (Sem 2)

Japanese 4: 130171 (Sem 1), 130172 (Sem 2)

SPANISH 1 – Two Semesters/1 Credit

Students will be introduced to the basics of everyday conversation in Spanish.

This course is conducted mostly in Spanish. 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.

Grades: 9-12

Semester 1 – 130101

Semester 2 - 130102

SPANISH 2 – Two Semesters/1 Credit

(PREREQUISITE: Spanish 1)

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 outside of class. This course also continues to expose students to the cultures of the Spanish-speaking world.

Grades: 10-12

Semester 1 – 130111

Semester 2 - 130112

SPANISH 3 – Two Semesters/1 Credit

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

Students will continue to work on and improve everyday conversation skills in Spanish, building off of what they learned 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 modes 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 independently read a level-appropriate novel in Spanish, 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.

Grades: 11-12

Semester 1 – 130121

Semester 2 - 130122

SPANISH 4 – Two Semesters/1 Credit

(PREREQUISITE: “B” or better recommended in Spanish 3)

Grade: 12

Semester 1 – 130131

Semester 2 - 130132

Students will continue to work on and improve everyday conversation skills in Spanish, building off of what they learned 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 modes 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 independently read a level-appropriate novel in Spanish, 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, you can use your PSAT or the MCCC placement test to qualify. Students will be enrolled in both the school district and postsecondary institution during the local school district's regular academic year, will be enrolled in a combined total of five classes each Semester, and will attend classes on the MCCC campus or on-line. 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.

E2020 / Edgenuity

A comprehensive computerized program used for credit recovery in one of three ways: during the normal school day, after school hours, or during the summer. 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 E2020 must have approval from the Student Services Department.

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 credit and/or 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, provided they earn a qualifying score on the PSAT or MCCC qualifying test.

A student may take up to 10 direct college courses during their 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.

HUMAN151 Introduction to Humanities (3 Credit Hours)

HUMAN151CC

Prerequisite: ENGL 090 and RDG 090 or qualifying scores on the ACT/SAT/PSAT or MCCC qualifying test.

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 cost 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

Prerequisite: RDG 090 and ENGL 090 or qualifying score on accepted placement tests.

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 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 Hrs.)

POLSC151CC

Prerequisite: RDG 090 and ENGL 090 or qualifying score on accepted placement tests.

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 CC (3 Credit Hours)

SPCH151CC

Prerequisite: RDG 090 and ENGL 090 or qualifying score on accepted placement tests.

F, W, Sp, Su. 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.

CIS130 - INTRODUCTION TO COMPUTER SCIENCE (3 Credit Hours)

CIS130CC

Prerequisite: RDG 090 and ENGL 090 or qualifying scores on the ACT/SAT/PSAT of MCCC qualifying test.

This course provides students with basic knowledge of computer information systems and includes both computer concepts and hands-on use of various computer applications. Computer concepts include computer system basics of hardware, software, files and data storage. The hands-on portion consists of using the operating system, spreadsheets, word processing, databases, presentation software, e-mail and the Internet.

CIS150 – COMPUTER INFORMATION SYSTEMS C++ PROGRAMMING (4 Credit Hours) CIS150

Prerequisite: BSMTH 101 or MATH 092 or higher or qualifying score on accepted placement tests.

This course focuses on the design stage of computer program development and coding of programs using an object oriented programming language such as C++. Students will design solutions to a variety of computer problems. Documentation will be created using standard methods. Program solutions will be coded, executed and tested.

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 Advanced Placement courses, standard semester courses, and Flex-90 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.