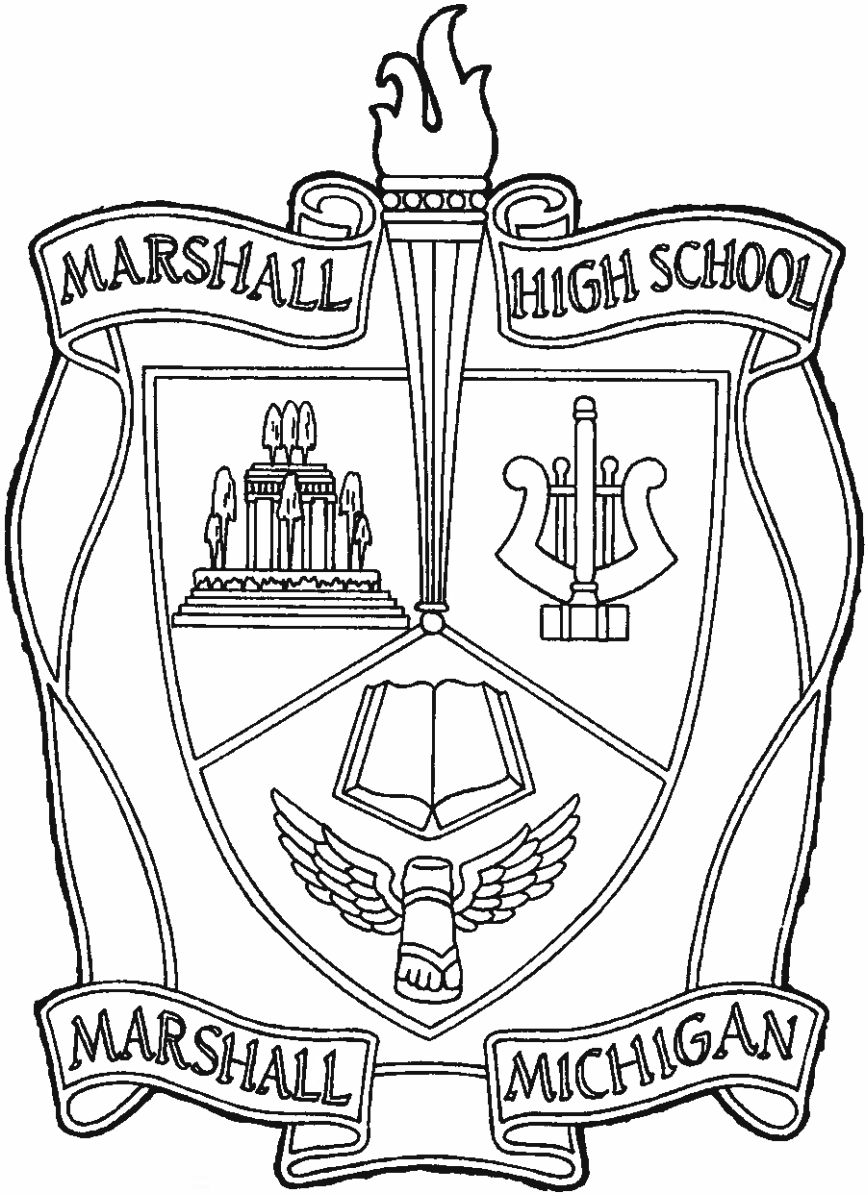
MARSHALL HIGH SCHOOL



COURSE OFFERINGS FOR THE 2023-2024 SCHOOL YEAR

NOTE: *Every class listed may not be available every year. Courses may not materialize due to lack of sufficient enrollment and/or financial constraints.*

INDEX

COURSE NAME	SECTION FOUND IN
Creative Writing	Language Arts
Digital Yearbook	Language Arts
Drafting	Industrial Technology
Drafting II	Industrial Technology
Drafting III	Industrial Technology
Dual Enrollment/On-Line Learning 21F	Miscellaneous Courses/Programs
Early American History	Social Studies
Economics	Social Studies
English 9	Language Arts
English 9 Honors	Language Arts
English 10	Language Arts
English 10 Honors	Language Arts
English 11	Language Arts
English 11 Honors	Language Arts
English 12: Technical Writing/Science Fiction	Language Arts
English 12: British Literature/College Prep	Language Arts
English 12: Exploring Diversity Through Literature	Language Arts
Geometry	Mathematics
Geometry Honors	Mathematics
Health	Physical Education
Informal Geometry	Mathematics
Introduction to Industry	Industrial Technology
Links	Miscellaneous/Courses/Programs
Marshall Singers	Music
Metal Technology I	Industrial Technology
Michigan History	Social Studies
NEXXUS	Miscellaneous Courses/Programs
Personal Finance	Mathematics
Physical Education 9	Physical Education
Physics	Science
Pre-Calculus	Mathematics
Pre-Calculus Honors	Mathematics
Psychology I	Social Studies
Psychology II	Social Studies
Redhawk Chorale	Music
Social Issues	Social Studies
Spanish I	World Language
Spanish II	World Language
Spanish III	World Language
Spanish IV	World Language
Sports Fitness	Physical Education
Studio	Art
Symphonic Band	Music
Symphony Orchestra	Music
United States History – 1865 to Present	Social Studies
Wood & Construction Technology I	Industrial Technology
Wood & Construction Technology II	Industrial Technology
Wood & Construction Technology III	Industrial Technology
World History, Pre-History to Present	Social Studies
Zoology	Agri-Science and Natural Resources

GRADUATION REQUIREMENTS

It is the goal of Marshall High School to provide opportunities for each individual student to experience various learning activities which will enhance the required subjects of the core curriculum. Students are required to be enrolled in and attend regularly, a minimum of seven classes (one being advisory class) for all eight semesters of their high school career. Students who fail to meet graduation requirements, as spelled out in the framework below, will be asked to complete their course work in another program.

To graduate from Marshall High School and participate in commencement exercises, each student must earn a minimum of the following credits: 21 and pass all required courses. A course taken from Marshall High School for one semester earns ½ credit and a course taken all year earns one (1) credit.

- ✓ The 9th grade physical education course is a prerequisite to any elective course in physical education. PE may be waived because of health when certified by a physician, or for religious beliefs when certified by a pastor. Such cases must be reviewed each year by the principal.
- ✓ 9th grade student athletes may choose to opt out of PE 9 if they participate and remain eligible throughout the entire season of an MHSAA – sanctioned sport or other sport approved by the Superintendent.
- ✓ Required courses are expected to be taken at Marshall High School unless specific permission is given by the principal's office or designee. Such permission will be noted in writing in the student's records.
- ✓ Any course taken outside of the normal school day program with the intent of receiving credit must have the approval of the principal or designee. Such permission will be noted in writing in the student's records.
- ✓ All students must carry a full schedule of classes (6 + one advisory). If more credits are needed to graduate on time than can be earned in the regular school day, please see your counselor for the Marshall High School approved options. Prior approval must be obtained from the principal or designee. A record of what is approved will be kept in the student's file.
- ✓ **Credit recovery courses may be used to assist in making up course deficiencies where the school feels that the study is appropriate and useful to the student concerned. Students are limited to 4 credit recovery classes or 2 credits to receive an MPS diploma.**

We recommend that students use the following chart to help them with their academic planning:

9TH GRADE	*10TH GRADE*	*11TH GRADE*	*12TH GRADE*
*English 9 or 9 Honors	*English 10 or 10 Honors	*English 11 or 11 Honors	*English 12 or AP English
*Math	*Math	*Math	*Math
*Biology	*Chemistry or Physics	*Science	*Gov't/Econ
*Phys Ed 9 /Health	*World History	*U.S. History	Elective
Elective	Elective	Elective	Elective
Elective	Elective	Elective	Elective
TOTAL OF 6 CREDITS	TOTAL OF 6 CREDITS	TOTAL OF 6 CREDITS	TOTAL OF 6 CREDITS

**** = required classes for that grade***

2 credits of World Language must be taken before graduation

The following credits are **required** to be taken and passed by each student per the Michigan Merit Curriculum:

Michigan Merit Curriculum **High School Graduation Requirements**
MATHEMATICS - 4 Credits Honors and AP Substitutions Available
Algebra I Geometry Algebra II One math course in final year of high school
ENGLISH LANGUAGE ARTS - 4 Credits Honors and AP Substitutions Available
English 9 English 10 English 11 English 12
SCIENCE - 3 Credits
Biology Physics or Chemistry One additional science credit
SOCIAL STUDIES - 3 Credits
US History World History ½ credit in American Government ½ credit in Economics
PHYSICAL EDUCATION & HEALTH - 1 Credit
½ credit PE 9 ½ credit Health
VISUAL, PERFORMING AND APPLIED ARTS - 1 Credit
See listing below
ONLINE LEARNING EXPERIENCE Course Learning or Integrated Learning Experience
LANGUAGE OTHER THAN ENGLISH - 2 Credits In grades 9-12; OR an equivalent learning experience in grades K-12 effective for students in the Class of 2016 and beyond.

Visual, Performing and Applied Arts classes

MUSIC:
Symphonic Band
Concert Band
Symphony Orchestra
Concert Orchestra
Redhawk Chorale
Marshall Singers

AGRICULTURE:
Botany
Zoology

LANGUAGE ARTS:
Digital Yearbook

ART:
Studio
Art II
Art and Design
AP Studio Art

MATHEMATICS:
Personal Finance

INDUSTRIAL EDUCATION TECHNOLOGY:
Drafting I, II, III
Introduction to Industry
Metal Technology I
Woods I, II, III

CALHOUN AREA CAREER CENTER

Arts & Communications:
* Graphic Communications

Business, Management, Marketing & Technology:
* Computer Networking
* Computer Programming
* Culinary Arts/Hospitality

Natural Resources & Agriscience
* Agriscience

Human Services:
* Criminal Justice
* Early Childhood Education
* Education Academy
* Law Enforcement

Engineering/Manuf/Industrial Tech:
* Automotive Service Technology
* Aviation Exploration
* Collision Repair Technology
* Construction Technology
* Intro to Robotics & Engineering
* Power Equipment Technology
* Welding Technology

Health Sciences:
* Emergency Medical Technician (EMT) Basic
* Health Careers Prep
* Health Occupations
* 21st Century Health Careers

* Career Center courses are only available to 11th and 12th grade students.

STUDENTS ARE RESPONSIBLE FOR ENSURING THAT THEIR RECORDS ARE CORRECT AND UP-TO-DATE, AND THAT REQUIRED COURSES ARE TAKEN AND SATISFACTORILY COMPLETED. COMPLETION OF GRADUATION REQUIREMENTS IS THE RESPONSIBLITY OF THE STUDENT. ANY STUDENT PLANNING TO GRADUATE WITH HONORS MUST FOLLOW THE GUIDELINES AS SPELLED OUT IN THE STUDENT HANDBOOK. SEE YOUR SCHOOL COUNSELOR WITH ANY QUESTIONS.

PREREQUISITES

A prerequisite is a requirement which must be met before enrollment in an advanced course is allowed. Prerequisites have been established by departments for some courses. Not only do these requirements preserve the integrity of certain courses, but they also serve as an aid to students in the process of course selection. These requirements are usually designed to discourage students from enrolling in courses where frustration and/or the opportunity for success may be limited. If a course name is listed as a prerequisite, then credit must be earned for the listed course; and this kind of prerequisite may not be waived.

Other kinds of prerequisites may, however, be waived by:

Principal's approval
Successfully passing a departmental prerequisite waiver examination
Providing a parent-completed waiver form which allows the student to enroll

*A blank 4-year course planner is enclosed to assist with mapping out your courses at Marshall High School.

Updated: 2/17/23

4 Year Course Planner

6 classes taken per semester (3 credits)

Name:	Date:
Current Grade Level:	

	GRADE 9		GRADE 9		GRADE 10		GRADE 10	
	First Semester		Second Semester		First Semester		Second Semester	
	Course Title	Credits	Course Title	Credits	Course Title	Credits	Course Title	Credits
English								
Mathematics								
Science								
Social Studies								
Fine/Performing Arts								
PE/ Health								
Elective								
Elective								
	Total Credits earned =		Total Credits earned=		Total Credits earned=		Total Credits=	
Cumulative Credits	→		+		+		+	

	GRADE 11		GRADE 11		GRADE 12		GRADE 12	
	First Semester		Second Semester		First Semester		Second Semester	
	Course Title	Credits	Course Title	Credits	Course Title	Credits	Course Title	Credits
English								
Mathematics								
Science								
Social Studies								
Fine/Performing Arts								
Elective								
Elective								
Elective								
	Total Credits earned =		Total Credits=		Total Credits=		Total Credits=	
Cumulative Credits→	9th & 10th grade total → +		11th grade total → +		12th grade total → +		= (*21 credits needed to graduate)	

ART

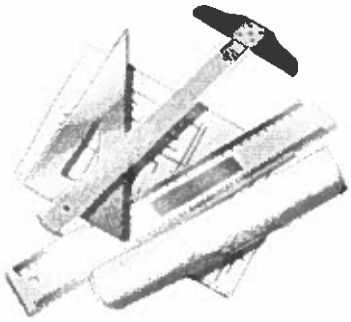
COURSE TITLE: **STUDIO - 161**
COURSE CREDIT: 1 Credit or ½ Credit
COURSE PREREQUISITE: None
COURSE DESCRIPTION: This course exposes beginning art students to the elements of line, shape, color, texture, and form. The students gain some experience and develop skills in drawing, painting, printing, and ceramics. They will become acquainted with major art history movements and art work.

COURSE TITLE: **ART II - 262**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: A passing grade in Studio
COURSE DESCRIPTION: This course combines painting, drawing, design and three-dimensional exploration in one class. Emphasis for first semester is on realism and drawing/painting. Expression and color theory are also explored. Second semester moves on to 3-Dimensional works and creative design.

COURSE TITLE: **ART and DESIGN - 362**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: A passing grade in Studio
COURSE DESCRIPTION: This course combines the facets of design using a large variety of materials and ideas. The class will include an investigation of sculpture, ceramics, print-making, fiber art, and jewelry. Emphasis is placed on the use of materials, technique, and creativity of design. Many new kinds of materials may be explored. Students will be exposed to art history knowledge.

COURSE TITLE: **AP STUDIO ART - 447** (Will be offered in even numbered years - next 2023-24)
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Completion of Art II or Art and Design with a "B" grade or higher and permission of instructor
COURSE DESCRIPTION: The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios – 2-D Design, 3-D Design, and Drawing – corresponding to common college foundation courses. This course can be repeated for credit in a different portfolio category. This course addresses three major concerns that are constants in the teaching of art: (1) the student's ability to recognize quality in her or his work; (2) the student's concentration on a sustained investigation of a particular visual interest or problem; and (3) a range of approaches to the formal, technical, and expressive means of the artist. **This course requires summer work prior to the start of the school year.**

Updated: 2/15/23



INDUSTRIAL EDUCATION TECHNOLOGY

COURSE TITLE: **INTRODUCTION TO INDUSTRY - 287**
COURSE CREDIT: 1 Credit or ½ Credit
COURSE PREREQUISITE: None
COURSE DESCRIPTION: Introduction to Industry provides the student an opportunity to explore and experience various areas within the industrial technology area. This survey course is specifically designed to assist students in identifying their interests, and also to provide challenging, fun, and varied activities. Topics of study may include: woodworking systems; metal fabrication, building construction, CAD drafting, multi-view drawing, pictorial drawing and dimension, transportation systems, vehicle design, energy/power systems, general power, mass production/manufacturing systems as related to industry, and large volume production of a product. A major focus will be placed on working as a team.

COURSE TITLE: **DRAFTING - 183**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: None
COURSE DESCRIPTION: Drafting is a survey course of the various areas of drafting. The course develops competencies of sketching, orthographic multi-view projection, geometric construction, dimensioning, sectional views, primary auxiliary views, and pictorial illustration. Residential building design and concepts of industrial drafting are included in this study. The primary purpose of this course is to introduce students to computer-aided design (CAD) technology and prepare them to make the transition from traditional drafting methods to computerized methods.

COURSE TITLE: **DRAFTING II - 717 (Formerly Engineering Drawing I/Architectural Drawing I)**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Drafting 1
COURSE DESCRIPTION: Drafting II is a drawing course with an emphasis on CAD drawing of the varied types of working drawings used in the following areas: machine tools and parts, electrical/electronic piping, computer-aided drafting, welding, gears and cams, developments, and jigs and fixtures as well as residential design and construction. Assigned residential and construction problems include floor-plans, elevations, foundation plans, plot plans, details wall sections, common architectural symbols, scale models, specifications, and schedules. Instruction includes technical illustrations, precise dimensioning, and pictorial drawings in the areas studied.

COURSE TITLE: **DRAFTING III - 718 (Formerly Engineering Drawing II/Architectural Drawing II)**
COURSE CREDIT; 1 Credit
COURSE PREREQUISITE: Engineering Drawing II
COURSE DESCRIPTION: This course is an expansion of the Drafting I course with an emphasis on CAD drawing. Its purpose is to better prepare those students who plan to enter community colleges, technical training institutes, and four-year colleges of engineering in the broad basic skill areas of drafting, including the computer-aided drafting skills. Drafting III will also expand upon of architectural principles with emphasis on light commercial design and computer-aided design. Studies include building structures, working drawings, custom detailing, and presentations.

COURSE TITLE: **METAL TECHNOLOGY I - 815**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Intro to Industry or Instructor's Approval
COURSE DESCRIPTION: Metals Technology is a study of the tools, materials, and processes common in the metalworking industry. The instructional program includes a study of areas selected from Bench Metal, Sheet Metal, and Basic Machining. Sample industrial processes studied include cutting, drilling, tempering, welding, fastening, bending, mill work, lathe work, and finishing. Student design and fabricate projects that are representative of this industry. Use of CAD will occur throughout all projects and processes during the duration of the course.

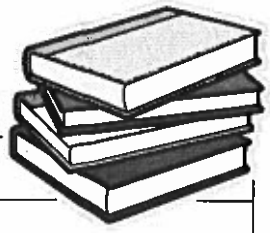
COURSE TITLE: **WOOD & CONSTRUCTION TECHNOLOGY I - 180**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: None
COURSE DESCRIPTION: Woodworking is a study of the tools, materials, and processes common to the construction of furniture and cabinet making industries. Processes studied include layout and measuring, cutting, sanding, drilling and boring, shaping, jointing, fastening, and finishing. An emphasis on safety is incorporated into all activities. Assorted projects are assigned throughout the school year and will be completed using various construction techniques. Students may be able to make a project of their own if time allows.

COURSE TITLE: **WOOD & CONSTRUCTION TECHNOLOGY II - 281**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Wood Technology I
COURSE DESCRIPTION: This is a course designed to expand the skill and knowledge acquired in Wood Technology I, and is for the person who has an interest and ability in woodworking either as a career or life-time activity. There will be a major required project during the first semester which will incorporate basic cabinet making techniques. The student will then complete a major project of his/her own design.

COURSE TITLE: **WOOD & CONSTRUCTION TECHNOLOGY III - 381**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Instructor Approval Needed
COURSE DESCRIPTION: This course is for the student who wants to devote an entire school year to a complex, high quality woodworking project(s). (ex. Grandfather Clock, or other piece of furniture). Additional production areas may include carpentry/construction, wood processing, manufacturing, and laminating and bending processes.

Updated: 2/17/2023

LANGUAGE ARTS



Michigan Merit Curriculum Required Courses

9th grade	English 9 **OR** Honors English 9
10th grade	English 10 **OR** Honors English 10
11th grade	English 11 **OR** Honors English 11
12th grade	English 12: Technical/Science Fiction **OR** English 12: British Literature/College Prep **OR** English 12: Exploring Diversity Through Literature **OR** AP English Literature & Composition

COURSE TITLE: **ENGLISH 9 - 104**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: None
COURSE DESCRIPTION: English 9 includes review of grammar, mechanics, usage, and vocabulary building. Composition includes the writing of paragraphs, essays, and original literary pieces. Literature involves the reading of selected short stories, novels, poems, and dramas with an introduction to critical analysis of these selections.

COURSE TITLE: **ENGLISH 9 HONORS - 105**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Recommendation by 8th Grade English teacher
COURSE DESCRIPTION: English 9 Honors is geared to the advanced English student who has developed time management and organizational skills. It is a survey of grammar, mechanics, usage, and vocabulary with special emphasis on writing. Literature (short story, novel, poetry, drama) is analyzed critically through both oral discussion and composition. Grammar, composition, and literature are explored in greater depth than in English 9. An intro to research skills and critical analysis is included. **Summer work prior to the start of the school year is required**.

COURSE TITLE: **ENGLISH 10 - 202**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 9
COURSE DESCRIPTION: Oral communication skills and vocabulary enrichment are emphasized. Students will receive a review of grammar, mechanics, usage, composition, and literature. Continuing development in the writing of paragraphs and longer compositions provides a basis for critical thinking skills. Foundation of research skills is included. World literature is the foundation of reading for the year.

COURSE TITLE: **ENGLISH 10 HONORS - 203**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 9 Regular with an "A" average, teacher recommendation, AND two writing samples approved by English 10 Honors teacher
English 9 Honors with a "B" average and teacher recommendation
COURSE DESCRIPTION: English 10 Honors is designed for students who have demonstrated a degree of excellence in English. Course content includes the study of grammar as it relates to writing style: mechanics; usage; writing, including the expository and personal essay; vocabulary; World literature; and public speaking. Additionally, English 10 Honors includes the production of a research paper. **Summer work prior to the start of the school year is required**.

COURSE TITLE: **ENGLISH 11 - 303**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 9 and English 10
COURSE DESCRIPTION: English 11 students study grammar, mechanics, usage, and extensive composition, as well as American authors and American literature. Students write paragraphs, compositions, and essays. A separate and complete unit on the research paper is included in this course.

COURSE TITLE: **ENGLISH 11 HONORS - 304**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 10 Regular with an "A" average
English 10 Honors with a "B" average and teacher recommendation
COURSE DESCRIPTION: English 11 Honors provides a forum for the advanced work of serious students. In addition to a broad review of grammar and vocabulary, the class work involves composition and critical thinking skills as applied to a survey of American thought and culture represented in stories, plays, poetry, novels, and essays. A research writing project that requires an analysis of an American subject is required. **Summer work prior to the start of the school year is required**.

COURSE TITLE: **ENGLISH 12: TECHNICAL WRITING/SCIENCE FICTION - 486**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 9, English 10, and English 11
COURSE DESCRIPTION: This course is intended to prepare students for entry into two-year post-secondary programs, the workforce, or the military by developing and enhancing real-world writing skills and by studying works in the genres of science fiction and fantasy. Literature studied will include the works of authors such as Tolkien, Bradbury, Asimov. The study of these genres serves as a backdrop for the improvement of literacy skills and includes technical writing in the following areas: netiquette, resume writing, persuasive writing, comparison and process writing, as well as public speaking.

COURSE TITLE: **ENGLISH 12: BRITISH LITERATURE/COLLEGE PREP - 402**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 9, English 10, and English 11
COURSE DESCRIPTION: English 12 provides all students intending to attend a traditional four-year collegiate university a thorough review of grammar as it relates to writing style, punctuation review, vocabulary study, note-taking based on reading and/or lecture, and essay/objective testing. English 12 offers a selection of British literature and other reading materials which serve as a back-drop for the improvement of reading skills and the continued study of writing: the personal essay, analytical essay, and research paper.

COURSE TITLE: **ENGLISH 12: EXPLORING DIVERSITY THROUGH LITERATURE - 091**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 9, English 10, **open to Juniors as an elective**
COURSE DESCRIPTION: Students will explore diversity and discover the joy and genius in marginalized people through reading of modern texts, both fiction and nonfiction and visual literature and critical writing. Fictional pieces will center around various diverse groups including African Americans, Latinx, LBGTQ, amongst other diverse groups. Non-fiction pieces will include essays from NPR's This I Believe, Rethinking Schools magazine articles, among other relevant readings. Viewing and Listening standards will be achieved through documentaries and film. Writing will include post-secondary necessities such as scholarship writing, college application essays, and resume writing (as needed). Journal writing will be a part of the course, offering students a way to grapple with and respond in various forms to topics discussed in class. Literary responses will range from both formal to informal. Research writing will be included. This course is open to underclassmen with department approval, but preference will be given to Seniors.

Capstone for the class is social activism; students will select a movement or organization and put action behind belief.

COURSE TITLE: **ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION - 444**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: English 11 with an" A" average, teacher recommendation, AND two writing samples approved by AP Literature and Composition teacher
English 11 Honors with a "B" average and teacher recommendation
COURSE DESCRIPTION: AP Literature and Composition involves reading and in-depth analysis of a wide expanse of literature. Because this course is regarded as a college freshman English class, the level of material reflects a more rigorous schedule. Texts include titles such as *The Awakening, Heart of Darkness, Brave New World, Waiting for Godot, Death of a Salesman, The Iliad, Life of Pi, Antigone, and Oedipus Rex* as well as works by other renowned authors. Frequent writing assignments (both in and out of class) and challenging comprehension tests comprise a majority of the student's grade. The year culminates with students taking the AP test, which can earn college credit for students who score well. The course also requires students to select, read, and analyze four (4) approved novels. In addition to literature, the course includes: study of vocabulary, advanced study of grammar, development of expository writing techniques, production of an annotated bibliography, practice in writing interpretations, and development of oral communication skills. Finally, AP English continues to emphasize in-class writing and objective and essay tests. **Summer work prior to the start of the school year is required**.

English Electives

COURSE TITLE: **DIGITAL YEARBOOK - 204**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Instructor Approval
COURSE DESCRIPTION: In this course students will gain skills in one or more of the following areas: online page design, advanced publishing techniques and software, copy writing, editing, digital photography, image manipulation, and journalistic writing techniques while producing a creative, innovative yearbook which records school memories and events. Participants gain useful, real world skills in time management, marketing, teamwork, and design principles. Yearbook is a semester and/or year long elective class and may be taken more than once. Admission to the class may require recommendation by another teacher.

COURSE TITLE: **ADVENTURES IN THEATER - 209**
COURSE CREDIT: ½ Credit
COURSE PREREQUSITE: None
COURSE DESCRIPTION: Theater combines classroom instruction with on-stage experience, theater history, and development of drama, musical theater, and acting techniques. Makeup, set construction and performance will be major areas of development for each student. This is an "all round" course which will give a total experience in theater. May be taken more than once.

COURSE TITLE: **BASICS OF MYTHOLOGY - 206**
COURSE CREDIT: ½ Credit
GRADE PREREQUISITE: 11th or 12th grade
COURSE DESCRIPTION: This course is designed to give students an in-depth look at mythology and how it relates to us today. Included are not only the Greek and Roman myths, but also other myths from around the world. As part of their study, students will write their own myths.

COURSE TITLE: **CREATIVE WRITING – 948**
COURSE CREDIT: ½ Credit
COURSE PREREQUISITE: 10th – 12th grades
COURSE DESCRIPTION: Creative Writing is designed to enhance the student's writing abilities, particularly in the area of fiction. Areas of study include short stories, poetry, plays, and scripts. Course work includes producing written projects in each area of study, review of grammar as it pertains to style and editing, and reading selected works from respected authors. Students will be required to complete a final project in a genre of their choosing, such as a collection of original poetry, a finished novel (novella) or other work agreed upon by the student and teacher.

Updated: 2/17/23

MATHEMATICS

** IN ADDITION TO THE PREREQUISITES LISTED FOR EACH COURSE, STUDENTS MUST OBTAIN MATH TEACHER RECOMMENDATION INITIALS ON THE COURSE SELECTION

Michigan Merit Curriculum Required Courses

9th grade	Algebra I *other by teacher recommendation
10th grade	Informal Geometry **OR** Geometry **OR** Honors Geometry
11th grade	Algebra II **OR** Algebra II Honors **OR** Algebra IIA (2-year sequence)
12th grade	Math Elective of choice **OR** Algebra IIB (2-year sequence) **OR** CACC Technical Course with a Math Component

A graphing calculator is necessary for all math classes Algebra II and above. The recommended graphing calculator is the TI-84 Plus.

COURSE TITLE: **ALGEBRA I - 123**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 9th grade
COURSE DESCRIPTION: The principles of algebra are studied and practiced at a steady rate. Topics include algebraic expressions, equations and inequalities, graphing relations, solving linear systems, exponents, polynomials, and word problems using equations, and additional topics prescribed by either the Michigan Merit Curriculum Course Requirements or Common Core State Standards. Students need to have good basic math skills, be willing to take notes daily in class, show their work in an organized manner, be prepared for daily homework assignments, and study for assessments in order to be successful in the class.

COURSE TITLE: **INFORMAL GEOMETRY - 222**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 10th grade
COURSE PREREQUISITE: Algebra I and Teacher recommendation
COURSE DESCRIPTION: Informal Geometry is a less rigorous high school geometry course. The course is designed to meet the needs of students who require more time to master Algebra I concepts. Major emphasis is placed on geometry terminology, geometry concepts, applications, algebra skills and applications, and additional topics prescribed by either the Michigan Merit Curriculum Course Requirements or Common Core State Standards.

COURSE TITLE: **GEOMETRY - 225**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 9th – 10th grade
COURSE PREREQUISITE: "B-" Grade or better in Algebra I and Teacher recommendation
COURSE DESCRIPTION: This course emphasizes the importance of logical thinking in mathematics through the use of geometric definitions, theorems, and proofs. Geometric terms are also combined with algebra skills in the study of lines, angles, triangles, other polygons, polyhedra, and additional topics prescribed by either the Michigan Merit Curriculum Course Requirements or Common Core State Standards.

COURSE TITLE: **GEOMETRY HONORS - 226**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 9th grade
COURSE PREREQUISITE: "A-" Grade or better in Algebra I and Teacher recommendation
COURSE DESCRIPTION: All Geometry topics are studied at an **accelerated** pace and in greater depth. Honors courses are designed for those learners who are independent thinkers and who have a clear grasp of mathematical concepts and their applications.

COURSE TITLE: **ALGEBRA IIA - 116**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 11th grade
COURSE PREREQUISITE: Successful completion of Algebra I and Informal Geometry or Geometry and Teacher recommendation
COURSE DESCRIPTION: Algebra IIA is a course designed to take the typical Algebra II curriculum and split it over a two-year period for students who need time to enhance not only their basic mathematics skills, but to learn algebraic concepts. If students take Algebra IIA, they will need to follow it with Algebra IIB the next year. In doing so, they will have completed the entire Algebra II curriculum and would be able to receive two math credits. Principles of algebra are reviewed and expanded. Topics of study include equations and inequalities, linear relations and systems, quadratic equations, exponential functions, and operations with polynomials, complex numbers, and additional topics prescribed by either the Michigan Merit Curriculum Course Requirements or Common Core State Standards.

COURSE TITLE: **ALGEBRA IIB - 124**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 12th grade
COURSE PREREQUISITE: Successful completion of Algebra IIA
COURSE DESCRIPTION: If students have taken Algebra IIA, they need to follow it with Algebra IIB. In doing so, they will have completed the entire Algebra II curriculum over a two-year period and would be able to receive two math credits. Principles of algebra are reviewed and expanded. Topics of study include equations and inequalities, linear relations and systems, quadratic equations, exponential functions, and operations with polynomials, rational expressions, complex numbers, introductory trigonometry, sequences and series, conic sections, and additional topics prescribed by either the Michigan Merit Curriculum Course Requirements or Common Core State Standards.

COURSE TITLE: **ALGEBRA II - 323**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 10th or 11th grade
COURSE PREREQUISITE: "B-" Grade or better in Geometry and Algebra 1 and Teacher recommendation
COURSE DESCRIPTION: Principles of algebra are reviewed and expanded. Topics of study include equations and inequalities, linear relations and systems, quadratic equations, exponential functions, logarithmic and natural logarithmic functions, and operations with polynomials, rational expressions, complex numbers, introductory trigonometry, sequences and series, conic sections, and additional topics prescribed by either the Michigan Merit Curriculum Course Requirements or Common Core State Standards.

COURSE TITLE: **ALGEBRA II HONORS - 324**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 10th grade
COURSE PREREQUISITE: "A-" Grade or better in Geometry and Teacher recommendation
"B" Grade or better in Geometry Honors and Teacher recommendation
COURSE DESCRIPTION: All of the Algebra II topics are studied at an accelerated pace and in greater depth. Further treatment of trigonometry topics and additional discrete math topics may also be covered. Honors courses are designed for those learners who are independent thinkers and who have a clear grasp of mathematical concepts and their applications.

Math Electives

COURSE TITLE: **ALGEBRA III - 325**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 11th – 12th grade
COURSE PREREQUISITE: Algebra II and Teacher recommendation
COURSE DESCRIPTION: This course is designed for students who have completed Algebra II but who wish to continue to enhance their skills in algebra rather than go on to Precalculus. Topics of study include linear equations, systems of equations, quadratic functions and other families, statistics, probability, data analysis, basic trigonometry, parametric equations, and discrete math. The graphing calculator is used extensively throughout the course. This class is not for students who have earned credit in Pre-Calculus. **A TI-84 PLUS graphing calculator is recommended for this course.**

COURSE TITLE: **PRECALCULUS - 422**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 11th – 12th grade
COURSE PREREQUISITE: "C+" Grade or better in Algebra II and Teacher recommendation
COURSE DESCRIPTION: Pre-Calculus includes a full semester of angle functions and trigonometry. This course includes the foundation for college-level mathematics and calculus. Other topics studied include graphing, intervals, and function analysis for rational, exponential, trigonometric and logarithmic functions. Success depends upon the application of all the concepts and skills taught in Algebra I & II and Geometry. **A TI-84 PLUS graphing calculator is recommended for this course.**

COURSE TITLE: **PRECALCULUS HONORS - 423**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 11th – 12th grade
COURSE PREREQUISITE: "A-" Grade or better in Algebra II; "B" Grade or better in Algebra II Honors and Teacher recommendation
COURSE DESCRIPTION: All of the Pre-Calculus topics are studied at an accelerated rate and in greater depth. Success depends upon the application of all the concepts and skills taught in Algebra I & II and Geometry. **A TI-84 PLUS graphing calculator is recommended for this course.** Honors courses are designed for those learners who are independent thinkers and who have a clear grasp of mathematical concepts and their applications.

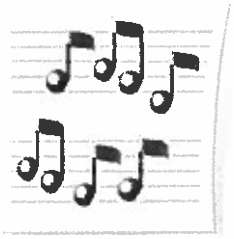
COURSE TITLE: **CALCULUS I - 425**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 12th grade
COURSE PREREQUISITE: "C" Grade or better in Pre-Calculus and Teacher recommendation
COURSE DESCRIPTION: Many of the concepts from Advanced Placement Calculus are included in this course, but are presented at a slower pace. This course is designed for students who are <u>not</u> planning to take the AP Calculus Exam, but wish some experience with college level mathematics and calculus before college. Students should have an excellent background in algebra, geometry, and pre-calculus and be prepared for the rigor of the course. Daily attendance is vital. Topics covered include limits, rules for deriving and integrating a variety of functions, and applications of derivatives and integrals. **A TI-84 PLUS graphing calculator is recommended for this course.**

COURSE TITLE: **ADVANCED PLACEMENT CALCULUS AB - 424**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 11th -12th grade
COURSE PREREQUISITE: "A-" Grade or better in Pre-Calculus or "B" or better in Pre-Calculus Honors and Teacher recommendation
COURSE DESCRIPTION: This course is offered for those students who have completed Pre-Calculus and wish to study Calculus at the college level. This course is designed to prepare students for the College Board Advanced Placement Calculus AB examination. This examination is voluntary, but successful scores can lead to advanced placement in college courses and/or college credit. Students should have an excellent background in algebra, geometry, and pre-calculus and be prepared for the fast pace of the course. Daily attendance is vital. Topics include limits, rules for deriving and integrating a variety of functions, applications of derivatives and integrals, and additional topics prescribed by the College Board. **A TI-84 PLUS graphing calculator is recommended for this course. <u>Summer work prior to the start of the school year is required</u>.**

COURSE TITLE: **ADVANCED PLACEMENT STATISTICS - 448**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 11^{th} -12^{th} grade
COURSE PREREQUISITE: Algebra II and Teacher recommendation
COURSE DESCRIPTION: Students should have an excellent background in Algebra I and II, be able to apply these concepts and be prepared for the fast pace of the course. Students should be prepared for the rigors of a college level course. Daily attendance is vital. Course content is the same as a one-semester introductory college statistics course. The purpose of the course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data as well as to prepare students for the College Board Advanced Placement Statistics examination. The exam is voluntary, but successful scores can lead to advanced placement in college courses and/or college credit. An introductory statistics course is typically required for majors in social science, health sciences, sciences, engineering, mathematics, and business. **A TI-84 PLUS graphing calculator is recommended for this course.** **Summer work prior to the start of the school year is required**.

COURSE TITLE: **PERSONAL FINANCE - 226**
COURSE CREDIT 1 Credit
COURSE PREREQUISITE: 10^{th} – 12^{th} grades
COURSE DESCRIPTION: **Completion of this course within your senior year will satisfy 1 credit of the new fourth year math credit that is now required for graduation as part of the Michigan Merit Curriculum.** This course focuses on concepts of math, numbers and math logic as it applies to finance.

Updated: 3/10/22



MUSIC

COURSE TITLE: **CONCERT BAND - 166**
COURSE CREDIT: 1 Credit – Full Year
COURSE PREREQUISITE: Instructor's recommendation / Audition
COURSE DESCRIPTION: The Concert Band provides a quality musical experience while performing excellent music. Emphasis is placed on the development of individual performance through fundamental development. Membership is determined by an audition in May. Attendance at all sectionals, concerts, and programs is required. Concert Band combines with Symphonic Band to form the marching band from August through the end of the football season. Band members are expected to attend band camp, which is held the first full week in August.

COURSE TITLE: **SYMPHONIC BAND - 826**
COURSE CREDIT: 1 Credit – Full Year
COURSE PREREQUISITE: Instructor's recommendation / Audition
COURSE DESCRIPTION: Symphonic Band is the top performing ensemble in the band program. Membership is determined by auditions in March of the previous year. Maintenance of performance standards on one's instrument and attendance at all rehearsals, programs, and sectionals are required. Performance literature is selected in order to provide a variety of exposure to the best of wind and percussion music. Learning emphasis includes interpretation of musical styles, conducted performance, reading skills, and the refinement of musical fundamentals. Symphonic Band performance includes local concerts, district and state festivals, and tours. The Symphonic Band combines with the Concert Band to form the Marching Band from August through the end of the football season. Band members are expected to attend band camp, which is held the first full week in August.

COURSE TITLE: **CONCERT ORCHESTRA - 167**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Instructor's recommendation / Previous Orchestral experience
COURSE DESCRIPTION: The Concert Orchestra is a performing ensemble that focuses on excellent standard literature for both string and full orchestra, covering a wide variety of styles and time periods. The orchestra members develop their technical skills through the literature that is selected for performances. The orchestra performs four formal concerts each year. The ensemble is designed to provide a rich musical experience for students, specifically geared towards increasing the technical and expressive capabilities of the students involved.

COURSE TITLE: **SYMPHONY ORCHESTRA - 476**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Instructor's recommendation / Previous Orchestral experience
COURSE DESCRIPTION: The Symphony Orchestra is the top performing ensemble in the orchestra program. Membership is determined by an audition in April. It is a performing ensemble that focuses on excellent standard literature for both string and full orchestra, covering a wide variety of styles and time periods. The orchestra members develop their technical skills through the literature that is selected for performances. The ensemble moves at a fast pace and performs four formal concerts per year in addition to community performances (Home Tour, etc). The ensemble is designed to provide a space for the advanced orchestral student to learn and grow as a musician within a performing ensemble environment.

COURSE TITLE: **MARSHALL SINGERS - 368**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Instructor's recommendation / Audition
COURSE DESCRIPTION: Marshall Singers is a performing group for those who wish to be part of a choir that places emphasis on SATB music, and advanced music. The group appears before varied audiences during the course of the year with an average of 15 concerts per year. This ensemble will be auditioned in February, and this group will compete in various competitions and festivals. Students in this ensemble must be hard-working, have an ability to work for perfection, and have time available for the numerous activities of the group. Marshall Singers members are expected to attend choir camp, which is held the third weekend in August.

COURSE TITLE: **REDHAWK CHORALE - 165**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: A desire to sing
COURSE DESCRIPTION: Redhawk Choir is a class designed for those who simply like to sing but do not want to be involved in as many performances as the other groups. Basic concepts of singing are taught such as breathing, sight-singing, tone and projection. No audition is necessary for this class. This choir is for all grades. This group will have an average of 5 concerts per year.

Updated: 2/15/2023

PHYSICAL EDUCATION

COURSE TITLE: **ADVANCED MARSHALL FITNESS - 168** (6th hour/team taught with S&C coach)
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Physical Education 9 / Teacher Recommendation
COURSE DESCRIPTION: This course is designed for the mature, independent, driven student athlete that competes at the junior varsity or varsity levels. The emphasis of this class is Speed / Conditioning / Strength. Speed and agility training, weight training, aquatic and cardiovascular activities will be emphasized. The goal of the course is to provide instruction that will develop and compliment a competitive, productive, and healthy lifestyle.

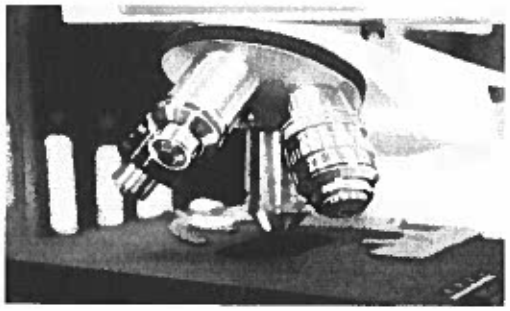
COURSE TITLE: **HEALTH - 194**
COURSE CREDIT: ½ Credit
REQUIREMENT: A 9th grade course requirement
COURSE DESCRIPTION: Instruction is given on the importance of physical, mental, emotional, social, and spiritual well-being. Related topics include: understanding yourself, drugs and their affect, nutrition and fitness, human sexuality, and CPR/AED.

COURSE TITLE: **PHYSICAL EDUCATION 9 - 191**
COURSE CREDIT: ½ Credit
REQUIREMENT: 9th grade
COURSE DESCRIPTION: The emphasis of this course is to establish the philosophy of the Physical Education Department: it is important for every individual to be active. Being an active individual not only helps one's physical well being but also in an important factor in each person's intellectual development. Components of Effort, Attitude, Participation & Positive Peer Relationships are emphasized. Various team and individual activities are utilized to steer us toward our destination.

COURSE TITLE: **SPORTS FITNESS - 290**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Physical Education 9
COURSE DESCRIPTION: This course is designed for the student who enjoys being active. Included in the class will be weight training, speed and agility training, individual and team-oriented sports. The goal of the course is to provide instruction that will lead to a productive and healthy lifestyle.

Updated: 2/15/2023

SCIENCE



COURSE TITLE: **BIOLOGY - 246**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Course is required for all 9th grade students.
COURSE DESCRIPTION: This course is designed to meet the Michigan Science Standards for Biology including the NGSS cross cutting concepts and science and engineering practices. Students will learn about the different characteristics that all living things have in common including the following units: Living Systems, Biochemistry, Matter and Energy in Living Systems, Ecosystems, Cells, DNA Structure and Function, Genetics, and Evolution.

COURSE TITLE: **CHEMISTRY - 243**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Course may be taken after successful completion of Biology.
COURSE DESCRIPTION: This course is designed to meet the Michigan Science Standards for Chemistry including the NGSS cross cutting concepts and science and engineering practices. Content covered includes Classification of Matter, Atomic Structure/Theory, Nuclear Chemistry, the Periodic Table and Trends, Ionic and Covalent Bonding, Chemical Reactions, Quantifying Substances--Moles and Stoichiometry. Placement in this course is determined by success in mathematics courses and teacher recommendation.

COURSE TITLE: **CONCEPTUAL CHEMISTRY- 499**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Course may be taken after successful completion of Biology.
COURSE DESCRIPTION: This course is designed to meet the Michigan Science Standards for Chemistry including the NGSS cross cutting concepts and science and engineering practices. The main difference between Chemistry and Conceptual Chemistry will be the intensity of the math concepts covered. Conceptual Chemistry will focus more on the Chemistry concepts with less emphasis on mathematical concepts. Content covered includes Classification of Matter, Atomic Structure/Theory, Nuclear Chemistry, Light and Energy, the Periodic Table and Trends, Ionic and Covalent Bonding, Chemical Reactions, Quantifying Substances--Moles. This class is intended for students in Algebra 1, Informal Geometry or any resource room math class. Placement in this course is determined by success in mathematics courses and teacher recommendation.

COURSE TITLE: **PHYSICS - 343**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Course may be taken after successful completion of Biology and at least concurrent enrollment in Algebra II.
COURSE DESCRIPTION: Why can't we move through walls? How do we protect ourselves from collisions? Why do astronauts appear to be floating in space? How do wireless chargers work? How do we see color? These are just some of the questions we will answer in physics by taking an in-depth look at the conceptual and mathematical models that describe the interactions of matter and energy. Students should have a decent grasp of Algebra I and some Geometry concepts. This course is designed to meet the Physics Michigan Science Standards including the NGSS cross cutting concepts and science and engineering practices. Placement in this course is determined by success in mathematics courses and teacher recommendation.

COURSE TITLE: **CONCEPTUAL PHYSICS - 141**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Course may be taken after successful completion of Biology.
COURSE DESCRIPTION: Why can't we move through walls? How do we protect ourselves from collisions? Why do astronauts appear to be floating in space? How do wireless chargers work? How do we see color? These are just some of the questions we will answer in conceptual physics by looking at a conceptual overview of the models that describe the interaction of matter and energy. Students do not need strong math skills to be successful. This course is designed to meet the Physics Michigan Science Standards including the NGSS cross cutting concepts and science and engineering practices. Placement in this course is determined by success in mathematics courses and teacher recommendation.

COURSE TITLE: **ANATOMY & PHYSIOLOGY - 344**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: 11th and 12th graders who have successfully completed Biology and Chemistry.
COURSE DESCRIPTION: This course is intended for students interested in Biology, the human body, or a possible career in the medical field. This course will include an in-depth survey of human tissues, organs, and organ systems. Students are required to dissect a fetal pig as a mammal comparable to humans. It is recommended that students should have earned a C or better in both Biology and Chemistry to be successful in this course. This course is designed to meet the Michigan Science Standards for Life Science including the NGSS cross cutting concepts and science and engineering practices linked to living systems.

COURSE TITLE: **ADVANCED PLACEMENT (AP) CHEMISTRY - 418**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: 11th and 12th graders who have successfully completed Chemistry and Algebra II. Teacher recommendation required.
COURSE DESCRIPTION: The AP Chemistry course is designed by the College Board and is the equivalent of the general college chemistry course taken during the first year of college. The course surveys Atomic Structure and Properties, Molecular and Ionic Compounds Structure and Properties, Intermolecular Forces and Properties, Chemical Reactions, Kinetics, Thermodynamics and Applications, Equilibrium, and Acids and Bases. Lab work is required and some lab work will be required out of normal class time--either before or after school or during Advisory. Summer work is necessary prior to the start of the school year.

COURSE TITLE: **ADVANCED PLACEMENT (AP) BIOLOGY - 341**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: 11th and 12th graders who have successfully completed Biology and Chemistry. Teacher recommendation required.
COURSE DESCRIPTION: The AP Biology course is designed by the College Board and is the equivalent of the general college biology course taken during the first year of college. This course requires students to read and study independently and master material not presented in class on their own. The course surveys Biochemistry, Cells, Cellular Energetics, Heredity, Molecular Genetics, Evolution, Plant and Animals Form and Function, and Ecology. Summer work is necessary prior to the start of the school year.

AGRI-SCIENCE AND NATURAL RESOURCES

COURSE TITLE: **ZOOLOGY - 189**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 9th – 12th grade
COURSE DESCRIPTION: Zoology is the study of animals and animal life. The purpose of this class is to better understand animal diversity (livestock, domesticated and wild). Students will develop an understanding of how animals are classified and identified based on form and function. Students will learn anatomy and physiology of different animals. The role animals play in the ecosystem and their effect on the human population will be identified and studied. This course is a science credit; in addition, the curriculum includes Career & Technical Education (CTE) AFNR Standards, Biology Standards, Leadership Benchmarks, Career exploration, FFA, SAE, & STEM. Projects, laboratory activities and dissections are incorporated into this class. Projects include: job shadows, scientific experiments, discussion meet, contests, and more. If a student earns a 75% or better in Botany and Zoology plus earns the State FFA Degree, then he/she will receive 6 college credits at Michigan State University.

COURSE TITLE: **BOTANY - 175**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 9^{th} – 12^{th} grade
COURSE DESCRIPTION: Botany is the study of plants and plant life. We will study the importance of plants, plant ecology, and classification. Units include: basic plant care, soil, hydroponics, the ecological and economic importance of plants, plant anatomy, plant physiology, horticulture, floriculture and greenhouse management. This course is a science credit; in addition, the curriculum includes Career & Technical Education (CTE) AFNR Standards, Biology Standards, Leadership Benchmarks, Career exploration, FFA, SAE, & STEM. The school greenhouse will be utilized to apply many of the principles that we learn about in class. Projects include: job shadows, scientific experiments, discussion meet, contests, and more. If a student earns a 75% or better in Botany and Zoology plus earns the State FFA Degree, then he/she will receive 6 college credits at Michigan State University.

COURSE TITLE: **ADVANCED AFNR LEADERSHIP - 716**
COURSE CREDIT: 1 Credit
GRADE LEVEL: 11th – 12th grade
COURSE PREREQUISITE: Successful completion of Botany and Zoology or with instructor approval.
COURSE DESCRIPTION: AFNR=Agriculture, Food & Natural Resources. This is an elective course, primarily focused on 11th and 12th graders who are interested in agriscience, food, natural resources, leadership and/or the FFA. Curriculum includes Career & Technical Education (CTE) AFNR Standards, as well as includes Biology Standards, STEM, SAE & FFA. Work based learning is incorporated into this course. Membership in the FFA is required. This course does not earn Science Credit. Homework and projects are regularly assigned. Students should be able to work independently.

Updated: 2/15/2023

SOCIAL STUDIES

Michigan Merit Curriculum Required Courses

9th grade	
10th grade	World History
11th grade	United States History – 1865 to Present
12th grade	Economics and American Government

COURSE TITLE: **WORLD HISTORY - 231**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: 10th grade
COURSE DESCRIPTION: This required course begins with studies on the development of primitive people, the rise of civilizations like Greece and Egypt, and the Roman world. Medieval Europe and the Renaissance are studied next with an emphasis on European culture, the age of exploration, as well as history from the Far East. Students will look at the shift from the classical to modern world economies, governments, and societies. Finally, students will look at 18th – 20th century revolutions and major wars, industrialization, and current world issues.

COURSE TITLE: **ADVANCED PLACEMENT WORLD HISTORY - 845**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: B+ Grade or better in English 9 Honors or an A Grade in English 9 with teacher recommendation
COURSE DESCRIPTION: AP World History is a college-level course that analyzes global patterns of historical development and exchange from roughly 8000 B.C.E. to the present. Using primary and secondary sources, AP World History students will track historical change and continuity within and across six periods of study, paying close attention to unifying course themes and accompanying learning objectives. Great emphasis is placed on the honing of historical thinking skills, such as chronological reasoning, comparison, contextualization, argumentation, interpretation, and syntheses. The course culminates with the national AP World History examination, which will be administered in May. Students will earn a weighted grade for this class and, if successful on the national examination, they could receive college credit at their preferred university.

COURSE TITLE: **UNITED STATES HISTORY - 1865 TO PRESENT - 331**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: 11th grade
COURSE DESCRIPTION: This required course covers the country's history from the post-Civil War Era to the present. The course entails a study of the political, geographical, cultural, economic, and societal changes that have helped shape this country and its people. Topics include the Reconstruction Era, the Gilded Age, the Progressive Era, World War I, the Roaring Twenties, the Great Depression, the events that led up to World War II and our involvement in that war, the Cold War Era, the Korean War, the Vietnam War Era, Watergate, and more recent events.

COURSE TITLE: **ADVANCED PLACEMENT U.S. HISTORY (APUSH) - 844**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: B Grade or better in AP World History or an A Grade in World History AND B Grade or better in English 10 Honors or an A Grade in English 10 AND Social Studies teacher recommendation
COURSE DESCRIPTION: Advanced Placement U.S. History is a college-level survey course of U.S. history from the pre-Columbian period to the present. Students will be expected to read a college level text, write historic essays that use primary and secondary sources of information with the ultimate goal being to pass the AP U.S. History exam in May. APUSH students will learn to think like a historian. Historical reasoning will be used on unit assignments and unit assessments where students will be asked to answer AP style multiple choice questions, answer short answer questions (SAQ's), longer essay questions (LEQ's) and document based essays (DBQ's). DBQ's allow students to analyze historical sources to back up their arguments. All written questions require students to present clear thesis statements.

COURSE TITLE: **AMERICAN GOVERNMENT - 432**
COURSE CREDIT: 1/2 Credit
COURSE PREREQUISITE: 12th Grade
COURSE DESCRIPTION: This one (1) semester required course will cover the basics of American Government. We will study both the historical development and the structure of our government. The U.S. Constitution and the role that it plays in our daily lives will be emphasized. Additional topics include the electoral college, the Michigan State Government, and the formation of domestic and foreign policy.

COURSE TITLE: **ADVANCED PLACEMENT UNITED STATES GOVERNMENT - 445**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: B Grade or better in APUSH or an A Grade in U.S. History AND B+ Grade or better in English 11 Honors or an A Grade in English 11 AND Social Studies teacher recommendation
COURSE DESCRIPTION: This will be a full year course which will greatly expand the coverage of topics in the required course, both in number and in detail. In addition, a major focus will be a comparison of U.S. Government with several other political systems around the world and preparation for the advanced placement exam.

COURSE TITLE: **ECONOMICS - 433**
COURSE CREDIT: 1/2 Credit
COURSE PREREQUISITE: 12th grade
COURSE DESCRIPTION: This one (1) semester required course introduces students to a review of the basic economic concepts of scarcity, opportunity cost, and 6 core economic principles. An introduction to microeconomics and macroeconomics are the focus of this survey economics course. Concepts focusing on microeconomics include supply and demand, prices, market structures, business organizations and labor, money and banking and financial markets. Concepts focusing on macroeconomics include measuring economic performance, economic challenges, government in our economy (taxes, fiscal policy and monetary policy), and international trade.

Social Studies Electives

COURSE TITLE: **MICHIGAN HISTORY - 233**
COURSE CREDIT: 1/2 Credit
COURSE PREREQUISITE: 10th - 12th grades
COURSE DESCRIPTION: This course traces the history of Michigan from the times of the last ice age and glaciers, the native tribes, and the first European explorers to statehood, manufacturing, and the present. Importance will be placed on Michigan's natural resources and how they have helped develop the state culturally and economically. Some specific topics will include: Michigan's sports history, famous people, shipwrecks, how cities were named, Marshall's history, and the Mackinac Bridge.

COURSE TITLE: **EARLY AMERICAN HISTORY - 407**
COURSE CREDIT: 1/2 Credit
COURSE PREREQUISITE: 10^{th} – 12^{th} grades
COURSE DESCRIPTION: This one (1) semester course covers the time period before the required U.S. History course taken in the 11^{th} grade. The course includes: exploration by the Europeans, colonization, the American Revolution, formation of the government, the problems of the 19th century, westward expansion, and the Civil War.

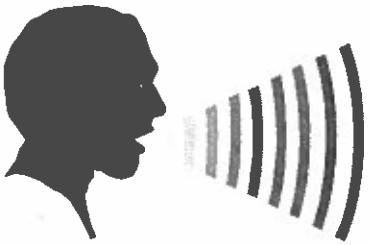
COURSE TITLE: **PSYCHOLOGY I - 431**
COURSE CREDIT: 1/2 Credit
COURSE PREREQUISITE: 10th - 12th grades
COURSE DESCRIPTION: How does our environment affect our behavior? What role do genes and DNA play? Why do we have dreams while we sleep? How do we change over the course of our lifetimes? These are just a few of the questions we will consider in Psychology I, a course that explores the origins of psychology, the interaction between our brain and the environment, how we sense and perceive our environment, sleeping and dreaming, lifespan development, learning, and other psychological concepts. We will learn the scientific basis of psychological theories and research and how to apply psychological findings to the world around us.

COURSE TITLE: **PSYCHOLOGY II - 440**
COURSE CREDIT: 1/2 Credit
COURSE PREREQUISITE: 10th - 12th grades
COURSE DESCRIPTION: Why do people behave the way they do? How do we develop personalities? How good is our memory? These are just a few of the questions we will consider in Psychology II, a course that explores social psychology, memory, motivation, emotion, personality, stress, mental disorders, and other psychological concepts. We will learn the scientific basis of psychological theories and research and how to apply psychological findings to the world around us.

COURSE TITLE: **ADVANCED PLACEMENT PSYCHOLOGY - 715**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Successful completion of Psychology I and II, previous success (3.6+) in an honors level ELA class or AP course, and teacher recommendation
COURSE DESCRIPTION: The Advanced Placement Program offers a course and exam in psychology to qualified students who wish to complete studies in secondary school equivalent to an introductory college course in psychology. The exam presumes at least one semester of college-level preparation. The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

COURSE TITLE: **SOCIAL ISSUES - 592**
COURSE CREDIT: 1/2 Credit
COURSE PREREQUISITE: None
COURSE DESCRIPTION: This course is designed to help the student learn about and better understand themselves, others, society, and the world in which they live. Decision-making, self-discipline, responsibility, and initiative are stressed in encouraging students to understand just how important they, themselves, are in preparing for the rest of their lives. An integral part of the course is a daily writing assignment in which the students explore their feelings and opinions on a wide-ranging variety of topics relating to themselves and the world in which they live. Each student is encouraged to set course goals, "push his/her own buttons", and evaluate his/her efforts.

Updated: 2/15/23



¡Hola!

WORLD LANGUAGE

COURSE TITLE: **SPANISH I - 112**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: None
COURSE DESCRIPTION: In Spanish I, students learn practical vocabulary and grammatical constructions in order to produce conversations in the target language. Emphasis is placed on the acquisition of listening, speaking, and writing skills. In addition, students will be introduced to various aspects of culture and customs of the Spanish - speaking world.

COURSE TITLE: **SPANISH II - 212**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Spanish I with a passing grade and/or instructor recommendation
COURSE DESCRIPTION: In Spanish II, students continue learning practical vocabulary and grammar in order to produce more complex conversation. Increased emphasis is placed upon listening, speaking, and writing skills acquired in Spanish I. Additionally, students will increase their knowledge of culture and customs of the Spanish-speaking world.

COURSE TITLE: **SPANISH III - 312**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Spanish II with a passing grade and/or instructor recommendation
COURSE DESCRIPTION: In Spanish III, students apply knowledge of basic vocabulary and grammatical constructions introduced in Spanish I and II. Emphasis is placed upon the ability to master basic listening, speaking, and writing skills. Students are expected to produce written and oral examples of this mastery. Finally, grammatical concepts of higher complexity are introduced along with a more in-depth study of the culture and customs from the Spanish-speaking world as revealed in literature.

COURSE TITLE: **SPANISH IV - 412**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Spanish III with a passing grade and/or instructor recommendation
COURSE DESCRIPTION: In Spanish IV, students demonstrate mastery of practical vocabulary and grammatical constructions, students will also complete their study of Spanish verb tenses and revisit vocabulary themes in greater depth and refine their speaking skills. Through continued literature study, students apply knowledge of the language and gain a greater understanding of customs and cultures from the Spanish-speaking world.

COURSE TITLE: **ADVANCED PLACEMENT SPANISH LANGUAGE - 449**
COURSE CREDIT: 1 Credit
COURSE PREREQUISITE: Spanish IV with teacher approval or Spanish III with placement test and teacher recommendation
COURSE DESCRIPTION: Advanced Placement Spanish Language is a college level course. The goal of this course is to prepare students for the successful completion of the AP Spanish Language Exam offered each spring by the College Board. Participation in this exam, however, is optional. The successful completion of this exam will allow students to receive credit at most colleges and universities. The course is designed to provide students the opportunity to review and reinforce their knowledge as well as be introduced to new and advanced subject matter. Emphasis is placed on the various skill areas that appear on the AP Spanish Language Exam. These areas include: listening, vocabulary, vocabulary and structure, grammatical construction, reading, verb conjugation, essay writing and speaking. In addition, students will participate in activities designed to strengthen their understanding of the history and culture of the Spanish-speaking world. This course does NOT satisfy the English graduation requirement.

Updated: 2/15/23

MISCELLANEOUS COURSES/PROGRAMS

COURSE TITLE: **COLLEGE AND CAREER READINESS - 590**
COURSE CREDIT: ½ Credit
GRADE LEVEL: 9th – 12th grades
COURSE DESCRIPTION: Students will gain skills in organization, time management, leadership, critical thinking, and communication, which are all essential for moving on to post-secondary classes, jobs, and careers. This is an opportunity to develop self, career, and diversity awareness. Students will enjoy a variety of speakers and other hands-on learning activities.

COURSE TITLE: **DUAL ENROLLMENT/ON-LINE LEARNING (21F) - 578**
COURSE CREDIT: ½ Credit per semester
GRADE LEVEL: Open by Application Process
COURSE DESCRIPTION: MHS provides online learning and dual enrollment opportunities for our students. We adhere to Michigan's 21f legislation, as well as other corresponding state guidelines. Registration for 1st semester courses must be completed by May 15th prior to the year in which they will be taken. Registration for 2nd semester courses must be completed by November 15th of the school year the course will be taken. **Please see your school counselor for information and the mandatory paperwork.**

COURSE TITLE: **LINKS - 607 (first semester), 608 (second semester)**
COURSE CREDIT: ½ Credit per semester
COURSE PREREQUISITE: LINKS Teacher Approval and parent permission
COURSE DESCRIPTION: This course develops awareness and insight into individuals with an Autism Spectrum Disorder (ASD). Students are actively involved in the support of an ASD student during one period of class time during the MHS school day. LINKS is targeted toward Juniors and Seniors. Sophomores are considered on an individual basis.

COURSE TITLE: **NEXXUS - 921**
COURSE CREDIT: ½ Credit per semester
COURSE PREREQUISITE: CI Teacher Approval and parent permission
COURSE DESCRIPTION: This course develops awareness and insight into individuals with disabilities. Students are actively involved in the support of a student in the Cognitively Impaired program during one period of class time during the MHS school day. NEXXUS is targeted toward Juniors and Seniors, but Sophomores will be considered on an individual basis.

COURSE TITLE: **ADVISORY - 664**
COURSE CREDIT: Effort Grade Only
GRADUATION REQUIREMENT: Required for all students
COURSE DESCRIPTION: Advisory is a four-year course required of all students who attend Marshall High School. This course is designed to be an educational extension of the student's regular scheduled classes. It is for enrichment, encouragement, remediation, and reinforcing concepts taught in those classes.
GOAL: All students will be able to identify their progress in their academic education, and personal growth goals as they transition from grade level to grade level through personal Education Development Plans (EDP).
GOAL: Provide students with opportunity to receive one-on-one or small group instruction related to the objectives in their regular classes.
GOAL: Provide extended time for experiential opportunities that are an extension of the regular classroom.
GOAL: To further develop skills that help prepare the student for responsibility and dependability. They include setting and accomplishing goals, doing your best, making decisions, acting honestly, and exercising self-control.

- Attend school/work daily and on time
- Meet school/work deadlines
- Develop career plans
- Know personal strengths/weaknesses
- Demonstrate self-control
- Pay attention to details
- Follow written instructions and directions
- Follow verbal instructions and directions
- Work without supervision
- Identify and suggest new ways to get the job done
- Learn new skills

GOAL: To further develop skills that help prepare the student for the ability to work cooperatively with a group. They include organizing, planning, listening, sharing, flexibility and leadership.

- Actively participate in a group
- Follow the group's rules and values
- Listen to other group members
- Be sensitive to the group member's ideas and views
- Be willing to compromise, if necessary, to best accomplish the goal
- Be a leader or follower to best accomplish the goal
- Work in changing settings and with people of differing backgrounds

CACC

CALHOUN AREA CAREER CENTER

Students Achieving Skills For Success

Program Descriptions By Pathway

475 East Roosevelt Avenue • Battle Creek, Michigan 49017

Phone (269) 968-2271 • Fax (269) 968-4344 • www.calhounisd.org/CACC

ARTS & COMMUNICATIONS

Graphic Communications Technology

Students explore and develop skills in all aspects of the graphics industry, from design to completion of printed media. Students use professional graphic software programs to design media, such as calendars, posters, and other printed messages. In addition, students will be introduced to digital media including photography and movies while creating a digital portfolio. Students also learn skills in the production printing stages of pre-printing, printing, and finishing. Successful students will be prepared to enter entry-level careers in the graphics field, as well as obtain advanced placement in related college programs.

Early Childhood Education

The Early Childhood Education Program provides students an opportunity to explore early childhood education as a career field. It prepares students to work with and educate children from birth through eight years of age. Students will gain skills and knowledge in development, discipline, health, safety, communication, planning, preparing, and presenting activities. The program also provides the students with practical work experience in our preschool and various programs in the community. Upon successful completion of the program, students can earn articulation credits (free college credits) at Kellogg Community College and colleges and universities throughout Michigan. Students also have the opportunity to earn their Child Development Associate (CDA). The CDA requires two years in the program with additional hours working with children from ages 3 to 5 years old.

Education Academy

The Education Academy Program provides students an opportunity to explore education as a career field. In addition to coursework at CACC, students will cadet teach at various K-12 education sites within the Calhoun Intermediate School District. Local educators will act as mentor teachers. Students will examine the multiple responsibilities and roles of K-12 teachers, classroom management, learning styles, instruction, curriculum, and professional skills. This program will assist students with college and career planning. Upon successful completion of the program, students can earn articulation credits (free college credits) at a local colleges and universities in Michigan. **This program has prerequisites.**

HUMAN SERVICES

Law Enforcement

Law Enforcement students will explore and prepare for careers in criminal justice, corrections, and related fields. Major areas of study include: Police investigation, crime scene investigation (CSI), corrections, legal issues, security, human relations, police operations, and administration.

Criminal Justice

Students will be taken on a journey through the Criminal Justice process. Students will read and write crime reports and learn about a variety of disciplines that make up the criminal investigation response to crimes. Students will be exposed to law enforcement investigations, including specialty areas within police work, crime scene investigations, forensic science, expert witness, and the victim advocate. The role of courts, probation, and parole agents in their efforts to modify behavior and deter crime. This program is very interactive with a variety of teaching tools. Upon completion students will have a solid foundation on which to consider pursuing one of the many rewarding and satisfying careers in Criminal Justice.

NATURAL RESOURCES & AGRISCIENCE

Agriscience

Agriscience is designed for students to develop fundamental knowledge and explore opportunities within the Agriculture, Food and Natural Resources Pathway. The program curriculum includes: Animal Science, Plant Science, Food Systems and Environmental Science. In addition to receiving training in the above areas, the following content will be taught: Leadership, Lab Safety and Protocol, and Business Management & Entrepreneurship. Included in this program are hands-on activities, academics, leadership opportunities, work-based learning and career planning. Students will have the opportunity to participate in the FFA Organization on local, state and national levels. Furthermore, students will travel to various agricultural industries throughout the year. Upon completion, students will have gained a basic awareness of agricultural sciences.

BUSINESS, MANAGEMENT, MARKETING & TECHNOLOGY

Computer Networking

The Computer Networking Program focuses on network hardware and servers in alternating years. The networking portion of the class teaches students how to build and repair computer hardware, pull telecommunication cables, program Cisco routers and switches, and configure network clients. The server portion of the class teaches students how to manage GNU/Linux servers. Successful students will have the opportunity to take the following industry exams: Cisco Certified Entry Network Technician, LPI Linux Essentials, CompTIA A+, and Network+.

Computer Programming

A spin-off from the existing Computer Networking Program, the new Computer Programming course will teach the development of software portion across computer systems. This course will offer students the opportunity to focus on writing and implementing generic and customized programs to drive operating systems. It will also prepare students to use integrated development environments, graphics applications and other authoring tools to design, edit, and publish content featuring HTML5, XML, PHP, SQL, and Javascript to the World Wide Web. Students will also learn Python Programming, Internet of Things (IoT) using Raspberry Pi and Arduino boards, the functionality of web design, and secure application design.

Culinary Arts/Hospitality

The Culinary Arts/Hospitality Program is designed to be a two-year program that incorporates the National Restaurant Association's "ProStart" curriculum. Students will explore potential career paths in the food service industry, with emphasis on technical skills, customer relations, restaurant organization, and the ServSafe sanitation program. Students will complete career exploration and study projects in the hospitality industry, which includes lodging and travel and tourism. Students who successfully complete the program will receive nationally recognized certificates.

HEALTH SCIENCES

Emergency Medical Technician (EMT)-Basic

The EMT Basic Program, offered in collaboration with Kellogg Community College (KCC), is the entry point for individuals who are interested in working on the ambulance in the pre-hospital setting, those interested in a career where they need to be trained as a first responder, or students that may have an interest in becoming a paramedic. Students will learn immediate medical care techniques for the critically ill/injured person, including Airway Management, CPR, AED Auto Rescue/Extrication, Water Rescue and Emergency Childbirth. CPR Certification and EMT Certification are available for students who successfully complete the program and pass the state exams. In addition to classroom and lab time, students will be required to complete the following out of school hours: 40 clinical hours, basic water rescue and extrication training. **This program has prerequisites.**

Health Careers Prep

Health Careers Prep is designed for those students who have an interest in health careers but are looking for something less traditional. The program offers a wide range of experiences, which include basic medical skills in patient care, records management, and medical communication. Students will explore careers such as sports medicine, substance abuse counseling, dietary science, and forensic science. The area of study will vary from year to year based on student interest and the job market, which is unique to this program.*

Health Occupations

The Health Occupations Program provides students an opportunity to explore health care as a career field. In addition to coursework at CACC, students will gain practical work experience at Calhoun County Medical Care Facility, Heritage Assisted Living Facility and various other medical facilities in the community. Students explore careers in bio-medical engineering, forensics, dental science, pharmacology, veterinary science, therapeutic services, medical imaging, clinical laboratory skills, and speech therapy. Unique to this program is the opportunity for top seniors to be enrolled into KCC's Certified Nursing Assistant (CNA) program the summer following their graduation with expenses covered by the CACC.*

21st Century Health Careers

The 21st Century Health Careers Program is designed to introduce high school juniors and seniors to potential career paths in the healthcare industry. The program is a partnership between Bronson Battle Creek, Kellogg Community College, and the Calhoun Area Career Center. Students will receive an introduction to a variety of health career skills including: clinical skills, medical ethics, human anatomy, communication, medical terminology, emergency procedures, and many more. During the two years in the program, students will take three (3) Kellogg Community College classes, for a potential total of eleven (11) college credits. Following the introduction, students spend a portion of each month in a hospital or other medical setting. Students become part of an interesting and challenging team, learning new skills with professionals in the medical field. **This program has prerequisites.***

*Eligible students in Health Careers Prep, Health Occupations and 21st Century Health Careers have the opportunity to participate in the KCC CNA program.

Automotive Service Technology

Automotive Service Technology is a two-year course offering training in the areas of Engine Repair, Automatic Transmission/ Transaxle, Manual Drive Train and Axles, Suspension and Steering, Brakes, Electrical/Electronic Systems, Heating and Air Conditioning, and Engine Performance. The automotive technical tasks learned in this course are transferable to Automotive, Aeronautical, Military, and Engineering service fields. The course meets the National Automotive Technician's Education Foundation (NATEF) standards for Automotive Service Excellence (ASE) certification in Maintenance and Light Vehicle Repair.

Aviation Exploration

Aviation Exploration is designed for students interested in any career in the aviation industry, and offers college credit for their work. The program exposes students to multiple aspects of the industry, whether they want to be an aircraft mechanic, a pilot, air traffic controller, or work in aviation administration. This broad, survey course is their passport into the industry. The program is designed to guide successful students into the joint enrollment program with Kellogg Community College and Western Michigan University College of Aviation for their specific technical studies.

Collision Repair Technology

Students learn basic hands-on skills including sheet metal repair, M.I.G. welding, plasma arc cutting, body repair, sanding techniques, plastic repair, undercoat and topcoat mixing, refinishing techniques, and other collision related tasks. Students will specialize in painting and refinishing using NATEF program standards. Emphasis is placed on the repair of damaged vehicle exteriors.

Construction Technology

Students develop practical and intellectual skills needed in construction trades. Students will demonstrate Skill Mastery I in most aspects of Construction Framing I the first year by framing true to scale projects in the lab. Students receive safety training, OSHA testing along with basic knowledge/use of tools. Specific areas of focus include roofing & siding installation and masonry. Second year students will receive additional training through work-based learning opportunities outside of the classroom. Students will be exposed to several different trades associated with the building trades industry, such as masonry, heavy equipment, electrical, plumbing, HVAC, and others.

Intro to Robotics & Engineering

This program combines robotics and engineering. Students will learn electrical, mechanical and fluid power principles. They will then apply those principles to hands-on projects in the lab. Students will receive safety training in the following areas: general safety, basic electrical safety, basic robot safety and basic lockout-tagout safety. Students will learn to sketch ideas, prepare a project proposal, and do project presentations. During this program, students will create their own portfolio, which will include; a resume, letter of introduction, certificates of completion, awards received, and various student accomplishments. Students will learn how to write robot programs, enter and simulate the program in the software and download and run the program on a robot. Students will also learn to use various types of sensors and end of arm tooling. CACC robots are the same robots used in industries such as food processing, welding, manufacturing, logistics and medical research. Students have the opportunity to earn the following industry-recognized certificates: OSHA-10 general safety, FANUC CERT (Certified Education Robot Training).

Power Equipment Technology

This program introduces students to the fundamental skills required to enter the exciting field of repairing powered equipment, beginning with an introductory to basic fabrication skills, including welding, soldering, plasma cutting and precision measuring. Students learn to troubleshoot and repair all types of equipment from weed whackers to generators, to riding mowers and semi trucks. This NATEF certified medium and heavy truck repair program covers five key areas of repair: electrical systems, engine repair, steering and wheel alignment, preventive maintenance and inspection, and brake systems (air and hydraulic).

Welding Technology

The Welding Technology Program is a two-year program preparing all students for skills and various processes including; Shielded Metal Arc Welding (S.M.A.W.) Gas Metal Arc Welding (G.M.A.W.) Gas Tungsten Arc Welding (G.T.A.W) and Oxy Fuel Welding (O.A.W). Students spend time in welding booths and transfer skills repairing and fabricating projects. Students may compete in regional and state competitions in using various types of materials, creating metal-working projects and hands-on welding. CACC students will have an opportunity to compete against other schools and career centers throughout the state. Students are eligible to earn articulation credits through several local colleges and universities in Michigan for tasks completed at CACC.