

# East Jordan Middle/High School



**2016-2017 School Year**

**Course Descriptions**

**Career Pathway Guide**

**Online Learning Offerings**

**College Credit Opportunities**

## EJMHS GRADUATION REQUIREMENTS

Content	Required Credits
English	4
Mathematics Algebra I, II and Geometry. Including math in the final year	4
Science Biology, Physics or Chemistry, plus an elective science credit	3
Social Studies US History, World History, Civics (½ credit), Economics (½ credit)	3
Health (½ credit) and Physical Education (½ credit)	1
Visual, Performing, or Applied Arts	1
World Language Alternatives/options exist for 2 <sup>nd</sup> credit	2
Electives	5.5
Technology (Local requirement)	.5
Online Learning Experience	
<b>Total Credits Required for Graduation</b>	<b>24</b>

[Michigan Merit Curriculum](#)

## Michigan Career Pathways



**Arts & Communications**



**Health Sciences**



**Business, Management,  
Marketing & Technology**



**Human Services**



**Engineering, Manufacturing  
& Industrial Technology**



**Natural Resources & Agri-Science**

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### Special Notes

- When a course lists a prerequisite class or skill, the following assumptions apply:
  - The student previously demonstrated *successful* completion of the prerequisite class.
  - The student could demonstrate competency of prerequisite class or skill upon request.
- Not all courses listed are offered each school year.
- The school may find it necessary to cancel or add a course offering without notice.

## CORE ACADEMICS

### ENGLISH

**Career Pathway:** *Arts & Communications and/or Human Services (Teaching)*

#### ENGLISH 9

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9	Success in Middle School ELA

#### ENGLISH 10 (GENERAL OR HONORS)

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10	Successful completion of English 9

Students in 10th grade have two English courses to choose from: English 10 and Honors English 10. English 10 is the general English class. This class is designed to meet the standards of the Michigan Merit Curriculum. It should be noted that students who see themselves attending a 4-year university would be better served to participate in Honors English 10.

As stated by the Michigan Department of Education: “The goal for English 10 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. In English 10, students will add to the list of various genres of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school. Tenth graders will connect with and respond to texts through the disposition of critical response and stance. They will learn to evaluate for validity and quality, to balance and expand their perspectives promoting empathy, social action and appropriate use of power. Critical Response and Stance offers students the lens to assess and modify their beliefs, views of the world, and how they have power to impact them.” (Taken from Michigan Department of Education: [http://www.michigan.gov/documents/ELA\\_10\\_167753\\_7.pdf](http://www.michigan.gov/documents/ELA_10_167753_7.pdf))

#### ENGLISH 11 (GENERAL OR HONORS)

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	11	Successful completion of English 10

With transformational thinking as the focus, students will develop effective communication and literacy skills. *Frankenstein*, *Beowulf*, *Lord of the Flies*, *Hamlet*, as well as other readings will offer context to discuss preparing for the future and tolerating change. Additionally, students will study grammar, reading skills, vocabulary and test taking skills to help prepare them to take the Michigan Merit Exam (MME) and the SAT College Entrance Exam.

As stated by the Michigan Department of Education “The goal for English 11 is to continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as students engage in more complex ideas, texts, and tasks. Students will add to the list of various genre of classic and contemporary narrative and informational texts that will be read and analyzed throughout high school with a special focus on British and World Literature and SAT success. Eleventh graders will connect with and respond to texts through transformational thinking. They will learn to use forward thinking to help make better decisions, to generate new ideas for solving problems, and to find wisdom. They will build a context for change in their lives and develop realistic plans for the future.” (Taken from [http://www.michigan.gov/documents/mde/English\\_Grade\\_11\\_181576\\_7.pdf](http://www.michigan.gov/documents/mde/English_Grade_11_181576_7.pdf))

#### ENGLISH 12

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	12	Successful completion of English 11

Throughout this course, students will experience a variety of literature from across the ages, including *Siddhartha*, *Night*, *Animal Farm*, *1984* and *The Great Gatsby*. Students will write narrative and expository essays, create a resume and cover letter, and also do some creative writing. Specific revision strategies will be emphasized as well as vocabulary building. Students will make connections verbally and in writing between the literature and their lives into adulthood.

#### AP ENGLISH

<i>Course Number</i>	<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1212	Full Year	12	English 10 & 11 - Honors

The goal of this course is to provide a rigorous, college-level curriculum in rhetoric with the intention of preparing students for the reading and writing they will need to do as college students. Students will become critical readers, and in doing so, will develop and refine their writing skills. Students will begin to move beyond more formulaic modes of discourse and into creating works that are designed to convey the appropriate content and fulfill their purpose as a writer, all while engaging their audience.

Work will focus specifically on rhetorical analysis, argument, and synthesis. The beginning of the course will focus heavily on understanding rhetorical strategies and techniques. Students will read works from a variety of historical periods and disciplines. These works can include essays, letters, speeches, diaries, autobiographies, poetry, and/or novels. In addition to the strategies, students will analyze the different types of arguments that are used in writing. Students will practice many types of writing focusing on expository, analytical and argumentative essays. Within these essays, students will utilize the standards modes of discourse such as description, cause/effect, compare/contrast, definition, metaphors, and persuasion.

As a side benefit, students will also prepare to take the AP Language and Composition test in May. Through participation in this test, students may be able to earn college credit.

**This is a weighted course (5 point scale).**

# MATHEMATICS

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**Career Pathway:** *Mathematics knowledge and skills are applied in a wide variety of career pathways.*

## ALGEBRA I

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9, 10	Success in prior math course

Algebra I is the basis for study in the advanced science and mathematics courses. The course will cover the following units: Relationships Between Quantities and Reasoning with Equations, Linear and Exponential Relationships, Descriptive Statistics, Expressions and Equations, and Quadratic Functions and Modeling. These five units are based on the Common Core State Standards for Mathematics.

## ALGEBRA II

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Algebra I

In addition to new material, Algebra 2 is a more in depth and thorough study of the topics covered in Algebra 1. This course will cover: number operations, linear equations, regression lines, piecewise functions, linear systems, matrices, quadratics, polynomials, powers, roots, exponents, logarithms, rational functions, conic sections, series, probability, statistics, and trigonometry.

## GEOMETRY

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9, 10	Success in prior math course

Geometry covers the following topics: basic terms and definitions, the real numbers, inductive logic, planes, congruent triangles, similar polygons, basic trigonometry, circles, and constructions.

## FUNCTIONS, STATISTICS AND TRIGONOMETRY (FST)

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	11, 12	Algebra II

The course will include a detailed study of the following topics: trigonometry, logarithms, probability, sequences, series, polynomial functions, quadratic relations, circular functions and distributions.

## PRE-CALCULUS

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	11, 12	FST

The course will include a detailed study of the following topics: parametric functions, graphing, logarithms, and number theory. Limits, derivatives and integrals will be introduced and used in applications. Exponential logarithmic and trigonometric functions will be explored using derivatives and integrals. Applications involving conic sections and infinite series will be covered, along with approximations using Taylor's formula.

## AP STATISTICS

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	12	Algebra II

This course can be taken by seniors as a 4th year math and is equivalent to a non-calculus based college statistical course needed for many college degrees. AP Statistics will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, statistical inference. If a student successfully completes the end of year AP exam, students may be able to earn college credit.

**This is a weighted course (5 point scale).**

## SCIENCE

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**Career Pathway:** *Science knowledge and skills are applied in a wide variety of career pathways.*

### PHYSICAL SCIENCE

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9, 10	Success in prior science course

This course covers the essentials of the nature of science, chemistry, physics and earth science pertaining to the Michigan High School Merit Curriculum. This class is a requirement for graduation as well as a prerequisite for chemistry or physics classes. Units covered include nature of science, experimental design, metric measurement, matter (phases and composition), atomic theory, periodic table, chemical reactions, bonding, motion, forces, work and energy, heat and temperature, earth forms, geochemical processes, earth cycles, earth's place in the universe, climate and weather. Mathematic principals, data collection, problem solving, engineering, and various lab projects support the subject matter for this course.

### BIOLOGY

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9, 10	Success in prior science course

This course is an introductory study of life processes and organisms. The course is designed to provide students with a solid foundation of the fundamental concepts of biology. Topics covered include: an overview of the chemical nature of matter and life, cells, genetics, photosynthesis, respiration, evolution and biodiversity, classifications of organisms, and ecological interactions. Laboratory activities allow students to directly study organisms and practice the process of observation, classification, and appropriate lab technique.

### CHEMISTRY

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Algebra I and prior high school science

Topics covered will include atomic theory, quantum theory, and classification of elements, atomic interactions, chemical calculations, energy, solutions, nuclear chemistry and organic chemistry. Labs will be qualitative for 1st Semester and Quantitative for 2nd Semester.

### PHYSICS - CONCEPTUAL

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	11, 12	Successful completion of science in grades 9 and 10

This course is designed to meet the State Content Expectation in Physics through student investigation and laboratory experiments. Students will conduct experiments and will actively engage in data collection, noting personal observations, writing lab reports, determine how to display data and interpret data. Topics covered are forces, motion, optics and waves, mechanics, electricity, thermal energy and atomic structure. Students choosing this course are typically not university bound.

### AP BIOLOGY

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Biology and Chemistry

AP Biology will include those topics regularly covered in 2 semesters of a college biology course. The college course in biology differs significantly from the usual first high school course in biology with respect to the kind of textbook used, the range and depth of topics covered, the type of laboratory work done by students and the time and effort required of students. The AP Biology course aims to provide students with the conceptual framework, factual knowledge and analytical skills necessary to deal critically with the rapidly changing science of biology. Students will take the AP Biology exam after completing the course to earn college credits.

**This is a weighted course (5 point scale).**

## SOCIAL STUDIES

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**Career Pathway:** *Social Studies are all about general knowledge and information related to human society. Students with strong interest in any area of social studies who hope to find a career in this area are in the Human Services area and will likely pursue careers in politics, teaching or related fields.*

### US HISTORY & GEOGRAPHY

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9	Success in prior social studies

This course will cover Civil War through the New Global Age. Study will focus on industrialization, Progressive Era, Westward expansion, The 20th Century, and major world conflicts. This course is required for all 10th grade students.

### WORLD HISTORY & GEOGRAPHY

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10	Success in prior social studies

This course is required for all 9th grade students. History and Geography are intertwined throughout the course. Latin American, European, African and Asian history and modern issues will be focused on and novels with teenaged main characters are used to enhance learning.

### CIVICS & ECONOMICS

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester of each	11	US History

These classes will introduce students to American Government and economics, what it is, how it is organized, and the privileges and responsibilities of citizenship. The different kinds of governments in today's world, the development of American Government through the United States Constitution and the many government processes and institutions will be the focus of this class. Informed citizens are necessary in order to be a participant in our democratic society.

## FOREIGN LANGUAGE

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**Career Pathway:** *Foreign/world languages are useful in a wide variety of careers and other applications.*

### SPANISH I

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	8, 9, 10	None

This is a basic course in the skills of listening, speaking, reading, and writing of the Spanish language. Culture, customs, geography, and history will also be explored.

### SPANISH II

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9, 10, 11, 12	Spanish I

An increased study of grammar, vocabulary acquisition, and oral communication will be enhanced by cultural studies and verbal and written exercises. This course is a continuation of Spanish I.

### SPANISH III

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Spanish II

This is a continuation of Spanish II for students wishing to expand their language skills and knowledge.

**College Credit may be available for this course. Find more information in the section titled, Earning College Credit.**

## OTHER REQUIREMENTS

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**HEALTH - Career Pathway:** *Health Sciences and/or Human Services*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	9, 10	None

This course is required for graduation. This course covers, wellness, AIDS, drugs and alcohol education, managing stress, as well as human growth and development.

## ELECTIVES

### FEATURED OPTIONS

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**INTRODUCTION TO PROGRAMMING - Career Pathway:** *Business, Management, Marketing & Technology and/or Arts & Communications*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	8, 9, 10	None

This course introduces students to programming concepts such as logic and flow-charting, as well as some basic programming techniques.

**ROBOTICS - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	8, 9, 10, 11, 12	Intro to Programming is recommended

The objective of this course is to introduce the student to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of robotics-based machines. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. In addition, student designed robots will be programmed to compete annually in robotics competition(s).

**LEADERSHIP - Career Pathway:** *Leadership skills can be applied in a wide variety of careers.*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	8, 9, 10, 11, 12	Prior approval required

This class is for students who wish to positively impact their school environment. We are looking for students who are willing to lead by example, run school-wide activities, and bring fresh new ideas to EJMHS.

### FINE AND PERFORMING ARTS

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**Career Pathway:** *Arts & Communications***ART I**

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	7, 8, 9, 10	None

This basic art course is created for those who have little or no art background but possess an interest in Art. Drawing and a foundation in design awareness are a necessary prerequisite to most other art forms. Art I focuses on design with an emphasis on drawing. This course encourages the student to experiment with a variety of different mediums. Projects include elements of design in nature, working from still life, ceramic basics and, study of art history. Mounting of finished work is required as well as a final art history research paper.

**ART II**

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	8, 9, 10, 11	Art I

Art II focuses on advanced design problems with an emphasis on self-expression and experimentation. Concentration in color theory through watercolor, acrylic and tempera will be explored as well as critiques on a weekly basis. Quizzes will help determine retention of concepts. Mounting of finished works required, as well as an oral presentation of Art History Research and a piece of artwork that complements the presentation will constitute the final exam.

**ART III**

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9, 10, 11, 12	Art II

Art III is a middle ground bridging Art II and Independent Art. Students enrolled in Art III will be required to complete an instructor-determined list of projects. The purpose of these projects is to make sure all students have mastery of basic skills before going to Independent Art. Art III students will be given some latitude to make independent choices about the required projects with regard to subject matter, media, style and use of class time. Students will be responsible for setting up their own time schedule to complete these projects. Friday sheets must be filled out weekly so students and instructor may assess individual time management and progress, and a weekly sketchbook is turned into the instructor.

The final exam grade for the first semester of Art III will be based on written Art History Paper. Second semester during the 3<sup>rd</sup> quarter the final exam grade will be based on a public review and oral presentation of semester works. The student will create a final exhibit of all works from the entire year that will take place during the Spring Fine Arts Fair and the exhibit will include an Artist's Statement.



## ADVANCED ART

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Varies	11, 12 and instructor approval	Art III

This course is an advanced study of design elements and self-expression through a variety of mediums. The classroom becomes a working studio of all of the advanced students that are self directed relying on the instructor for technical advice and demonstrations along with evaluations of time usage and both formal and informal critiques. The student is responsible for their own time usage and turns in a weekly graded log of that accomplishment as well as weekly drawing assignments that are kept in a mandatory graded sketchbook. Quarter grades are determined by a public exhibit of work and a public presentation in front of a panel of working artists and designers from the community. Final exams consist of an art history research paper and an exhibit of all works from the year to be created by the student at the Spring Fine Arts Fair which is complimented with a formal Artist's Statement.

**College Credit may be available for this course. Find more information in the section titled, Earning College Credit.**

## INSTRUMENTAL MUSIC (BAND)

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	7, 8, 9, 10, 11, 12	Prior music and instrument instruction is recommended

This class is open to all interested high school students who have had permission of the instructor, or who have at least ninth grade playing ability. The class is performance oriented. This large group ensemble's primary instructional method is rehearsal and performance of the highest quality, appropriate band music. Enrolled students have the opportunity to participate in individual solos or small group ensembles sanctioned by the Michigan School Band and Orchestra Association (MSBOA). Some extra-curricular rehearsals and performances are expected of all enrolled students: including pre-season and evening football rehearsals and performances, all concerts and parades, graduation, MSBOA band festivals and Pep band.

## VOCAL MUSIC (CHOIR)

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 or 2 Semesters	7, 8, 9, 10, 11, 12	Ability to read music is recommended

This course is designed for students who love to sing! Choir is a performance-oriented class with a focus on vocal techniques and developing voice to create a unified ensemble sound. The music is selected from unison, two part and four part and will be selected from different genres of music.

## DRAMA

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 or 2 Semesters	7, 8, 9, 10, 11, 12	None

Drama is a course designed to teach basic acting skills. Lessons include developing observational skills, actions and reactions, characterization, memorization, concentration and focus. The instructor works to improve the relationship of the student, to the point of becoming an integral part of the entire ensemble. Improvisational techniques will be the focus of many exercises that the ensemble performs and at least one performance will take place in front of a live audience.

## VIDEO PRODUCTION

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	7, 8, 9, 10, 11, 12	None

This course introduces an overview to digital video production, creative concepts, techniques, equipment, skill development, and presentation medium.

## YEARBOOK - Career Pathway: Arts & Communication and/or Business, Management, Marketing & Technology

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	8, 9, 10, 11, 12	Prior Approval Required

In this course, students will create a publishable yearbook. All students design layouts, sell advertising, write body copy and captions, and take pictures. All students must have access to a digital camera and are responsible for its operation. Students are expected to attend sports and other events held after school.

## CAREER AND TECHNICAL EDUCATION (CTE)

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### **DRAFTING AND DESIGN TECHNOLOGY I - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	7, 8, 9, 10	None

This is a one semester introductory course open to all students. Students will learn the correct use of common drafting tools, techniques, and applications as they participate in sketching, multi-view drawing, pattern drawing, pictorial drawing, blueprint reading, and architectural drawing activities.

### **COMPUTER ASSISTED DRAFTING (CAD) - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Drafting & Design Technology I

Students will learn the various features of CAD while completing basic architectural and technical drawings. This will be followed by larger individualized projects such as home design and machine part drawings using typical industry software. Students will achieve a working knowledge of 2D CAD in this class and will become comfortable in using computers as a drawing tool.

**College Credit may be available for this course. Find more information in the section titled, Earning College Credit.**

### **ADVANCED CAD - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	11, 12	CAD

This course is designed to meet the needs of students interested in a Drafting related career. Each student will be involved in large individualized Architectural and/or Technical projects. These projects will closely resemble work done in local industry and may include work from local builders, businesses and/or members of the community.

**College Credit may be available for this course. Find more information in the section titled, Earning College Credit.**

### **INTRODUCTION TO AUTOMOTIVE TECHNOLOGY - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	7, 8, 9, 10	None

This course is a one semester introduction to the automobile and auto service industry. The course is intended to give the student enough information to make good decisions when servicing and purchasing a vehicle, as well as choosing the automobile industry as a career. The main areas of study are basic engine operation, ignition, cooling, and lubrication. This will be your first taste of the high tech world of the automobile.

### **AUTOMOTIVE TECHNOLOGY I - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
<b>2-hour block</b> Full Year	10, 11, 12	None

Automotive Technology is a 2-year program designed to prepare students for advanced work at a post secondary institution. Year one course will give students an overall knowledge of the construction, operation and repair of motor vehicles. Students will also show successful completion of the Auto Service station technology, cooling systems, brake systems, suspension and steering, and drivelines.

### **AUTOMOTIVE TECHNOLOGY II - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
<b>2-hour block</b> Full Year	11, 12	Automotive Technology I

The second year of the Automotive Technology program will cover engine performance, electrical/electronic systems, air conditioning and engine repair. Health and safety standards, as prescribed by the National Safety Council are adhered to in this course.

**May be counted as math credit.**

### **WOODWORKING I - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	7, 8, 9, 10	None

This course will consist of an overview of the woodworking industry. Instruction in the use of hand tools and very basic machine tools will be included. Small projects will be completed in the allotted time. Machine safety will be stressed as well as good work habits.

**WOODWORKING II - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	8, 9, 10, 11	Woodworking I

This course is designed to instruct the student in basic furniture design and construction. The student will learn blueprint reading, joinery (joints used in making furniture), gluing procedures, and more advanced use of the machines in the construction of a selected project. The student who completes his/her selected project will select an additional project if time permits. Examples of projects that are made in this course are: bookcases, cedar chests, coffee and end tables, nightstands.

**ADVANCED WOODS - Career Pathway:** *Engineering, Manufacturing & Industrial Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Woodworking II

These courses are designed to be advanced cabinet making classes. Skills learned in the previous classes will be applied, as well as door and/or drawer construction. More skill is expected from the student and he/she is expected to be more self-directed. Examples of projects selected in these classes are: gun cabinets, dressers, desks, hutches, and entertainment centers.

**MICROSOFT ACADEMY - Career Pathway:** *Business, Management, Marketing & Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	9, 10	None

**BUSINESS MANAGEMENT AND OPERATIONS (BAMO) - Career Pathway:** *Business, Management, Marketing & Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Microsoft Academy

BAMO students will use and expand their previous knowledge and skills of technology to focus on planning, organizing, directing and implementing the functions of businesses and organizations. Projects that integrate software applications and focus specifically on real-world business situations will be the emphasis. Students will continue to develop career skills through guest speakers, interviewing skills, and the development of a portfolio. Students will use knowledge gained to create a business plan for a business of their choice. This is a performance-based course and is graded as such.

**College Credit may be available for this course. Find more information in the section titled, Earning College Credit.**

**ACCOUNTING - Career Pathway:** *Business, Management, Marketing & Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	Introduction to Business is recommended

Students considering any career in the field of business should take this class! This class is offered to students as an elective. The student will develop skills basic to the accounting department of a small business. Areas of study: starting an accounting system, recording business transactions, accounting procedures for sole proprietors and closely held corporations, petty cash procedures, and computerized accounting procedures.

**College Credit may be available for this course. Find more information in the section titled, Earning College Credit.**

**May be counted as math credit.**

**MARKETING - Career Pathway:** *Business, Management, Marketing & Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	10, 11, 12	BAMO is recommended

Marketing I students will learn processes that make it possible for businesses to find customers for their products and services and sell these products for a profit. Students will explore topics including selling, advertising, promotion, purchasing, distribution, pricing, and marketing research. Students will perform a selling demonstration, complete a career project, and practice entrepreneurial skills through marketing mix activities.

**College Credit may be available for this course. Find more information in the section titled, Earning College Credit.**

**RETAILING - Career Pathway:** *Business, Management, Marketing & Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
Full Year	11, 12	Marketing I

Retail marketing is designed to prepare students for employment in the wholesale, retail, and service industries. Main areas of instruction include human resources, merchandising, promotion, business operations, and general retailing concepts. Class activities include designing store layouts, pricing and ordering store merchandise, creating displays, tracking inventory, scheduling, cashiering, producing financial reports, and other merchandising skills. These skills will be developed as students manage and operate the school store, The Devils Den, which is open to students and the public. Students will all have the opportunity to participate in BPA regional and state competitions.

## PHYSICAL EDUCATION

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### **DANCE - Career Pathway:** *Arts & Communications*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	7, 8, 9, 10, 11, 12	Love of DANCE!

This class will focus on dancing fundamental skills and will explore several techniques, dancing styles, and genres.

### **TEAM SPORTS**

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 or 2 Semesters	9, 10, 11, 12	Love of the game!

This class will focus on fundamental skills, conditioning, game strategies and participation of various team sports.

### **CONDITIONING & STRENGTH TRAINING**

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 or 2 Semesters	9, 10, 11, 12	Love of physical fitness!

This class is recommended for students who want to improve their personal physical condition in activities such as: speed walking, running, and various competitive activities.

Advanced students and/or the serious athlete desiring to improve in areas of strength, speed, and quickness will focus on high intensity weight lifting programs, plyometrics, and sprinting workouts. An introduction to the Bigger, Faster, Stronger weightlifting program will also be utilized with advanced students.

### **SWIMMING**

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 Semester	7, 8, 9, 10, 11, 12	None

This class is recommended for students who are interested in swimming and will focus on lap swimming, improving cardiovascular fitness and various pool activities. In addition, students will go through the training required to become a lifeguard.

## OTHER OPPORTUNITIES

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### **MENTOR - Career Pathway:** *Human Services*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 or 2 Semesters	11, 12	Application & Recommendation Required 10 <sup>th</sup> grade students considered on a limited basis

**See the academic advisor or your EDP teacher for more information.**

### **TECH INTERN - Career Pathway:** *Business, Management, Marketing & Technology*

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 or 2 Semesters	10, 11, 12	Application & Recommendation Required 9 <sup>th</sup> grade students considered on a limited basis

**See the academic advisor or your EDP teacher for more information.**

### **CAREER INTERNSHIP**

<i>Length</i>	<i>Grade Level</i>	<i>Prerequisite(s)</i>
1 or 2 Semesters	11, 12	Application & Current Resume Required 10 <sup>th</sup> grade students considered on a limited basis

**See the academic advisor or your EDP teacher for more information.**

## ONLINE LEARNING

Student access to any time, any place, any pace learning has expanded under a new law in Michigan. Section 21f of Public Act 60 of 2013 allows students to take up to two online courses per academic term (semester), with parental consent. More than two online courses can be taken only when a student has previously demonstrated success in online coursework.

Online learning holds great promise as an instructional approach to expand and customize learning opportunities for students. However, it is substantially different from face-to-face instruction and usually works best when thoughtful planning supports individual enrollment decisions. The characteristics of successful online learners are discussed in Michigan Virtual's *Parent Guide to Online Learning* found at [http://www.mivu.org/Portals/0/GD\\_Parent2013\\_Final.pdf](http://www.mivu.org/Portals/0/GD_Parent2013_Final.pdf).

Students may select online courses from our local catalog (courses listed below), or from the **statewide catalog** of online course titles available at <https://micourses.org/>.

### LOCAL CATALOG

Course/Subject	Length	Intended Grade Level	Prerequisites or Other Information
<b>English Language Arts</b>			
Common Core ELA 9	1 or 2 Semesters	9	Success in Middle School ELA
Common Core ELA 10	1 or 2 Semesters	10	ELA 9
Common Core ELA 11	1 or 2 Semesters	11	ELA 10
Common Core ELA 12	1 or 2 Semesters	12	ELA 11
<b>Math</b>			
Common Core Math 8 (Pre-Algebra)	1 or 2 Semesters	8, 9	Success in prior math
Common Core Geometry	1 or 2 Semesters	9, 10	Success in prior math
Common Core Algebra I	1 or 2 Semesters	8, 9, 10	Success in prior math
Algebra II	1 or 2 Semesters	10, 11, 12	Success in both Algebra I and Geometry
Pre-Calculus	1 or 2 Semesters	11, 12	Success in Algebra II
<b>Science</b>			
Physical Science	1 or 2 Semesters	9, 10	Success in prior science
Biology	1 or 2 Semesters	9, 10	Success in prior science
Chemistry	1 or 2 Semesters	10, 11	Success in prior science
Physics	1 or 2 Semesters	11, 12	Success in prior science
<b>Social Studies</b>			
Survey of U.S. History	1 or 2 Semesters	9, 10	Success in prior social studies courses
Survey of World History	1 or 2 Semesters	9, 10	Success in prior social studies courses
U.S. Government	1 Semester	11	Success in U.S. History
Economics	1 Semester	11	Success in prior social studies courses
AP World History	2 Semesters	11, 12	Requires end of course AP Exam
<b>World Languages</b>			
Spanish I	1 or 2 Semesters	8, 9, 10	None
Spanish II	1 or 2 Semesters	9, 10, 11, 12	Success in Spanish I
German I	1 or 2 Semesters	8, 9, 10	None
German II	1 or 2 Semesters	9, 10, 11, 12	Success in German I
<b>Electives</b>			
Career Explorations	1 Semester	8, 9	None
Introduction to Communications & Speech	1 Semester	10, 11, 12	Success in English 9
Personal Finance	2 Semesters	11, 12	None
Medical Terminology	1 Semester	10, 11, 12	Future plans in health science pathway
Introduction to Health Science	1 or 2 Semesters	11, 12	Medical Terminology
3D Art I - Modeling	1 Semester	7, 8, 9, 10	Art I
Art History I	1 Semester	10, 11, 12	Art II
Sociology	1 Semester	10, 11, 12	None
Psychology	1 or 2 Semesters	11, 12	None

## EARNING COLLEGE CREDIT

To help you understand the different ways that you can earn college credit, we have provided definitions below. The terms used to define these courses typically depend on the institution offering the credit. Students who successfully complete these courses can earn both high school and college credit and the college credit may transfer from the issuing institution to other colleges and universities throughout the state. To see how courses transfer at various institutions, go to [www.michigantransfERNetwork.org](http://www.michigantransfERNetwork.org).

Students choosing to enroll in courses for college credit should pay close attention to and seriously consider the following:

- Once enrolled, your permanent college transcript becomes active.
- Once enrolled, your permanent college GPA begins to be calculated.
- Withdrawal from a course, within the posted withdrawal period, places a grade of 'W' on the college transcript – no affect on GPA. Partial or full reimbursement to East Jordan Public Schools may apply.
- Withdrawal from a course, outside/after the posted withdrawal period, is not allowed. An 'E' will show on the college transcript. The student's GPA will be adversely affected. The student will need to provide full reimbursement to East Jordan Public Schools for the cost associated with the course.
- Most colleges and universities do not communicate information about school progress to parents.

**CONCURRENT CREDIT** – a term used by NCMC which refers to courses offered onsite at East Jordan High School, typically taught by East Jordan teachers. Students must meet the prerequisite requirements for the course, have an ACT English score of 13 and complete NCMC enrollment.

**DIRECT CREDIT** – a term used by Baker College which refers to courses offered onsite at East Jordan High School, typically taught by East Jordan teachers. Students must meet the prerequisite requirements for the course and complete Baker College enrollment.

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### CONCURRENT AND/OR DIRECT COLLEGE CREDIT

NCMC/Concurrent Credit	Baker/Direct Credit
none	Computer Aided Design - CAD 111, CAD 112, CAD 121 Principles of Marketing - MKT 111SC Anatomy & Physiology – SCI 101C, SCI 101L

**DUAL ENROLLMENT** – A course offered on a college campus and selected on an individual basis. The purpose of dual enrollment is to offer “increased rigor” for students who have completed the curriculum offered at their local high school.

In order to dual enroll, a student should consider the following:

- The local high school has leeway to determine if a student is prepared to handle college-level course work.
- Multiple measures will be used to determine if a student is prepared for and will benefit from Dual Enrollment including prior academic success, ACT Scores, the ability to advocate for oneself and function independently in the completion of day-to-day school related tasks.
- If a student fails to complete a course, withdraws from a course previously paid for or does not receive a passing grade in a course East Jordan Public schools must be reimbursed by the student/family for the costs associated with enrolling in and taking the course.

**See the academic advisor for more information.**