



Ionia High School

2024-2025

Course Description Guide

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IHS Graduation Requirements

Michigan Merit Curriculum High School Graduation Requirements

Core Credits:

18

English Language Arts		4 Credits
English 9	1.0	
English 10	1.0	
English 11	1.0	
English Elective	1.0	
Mathematics		4 Credits
Algebra I	1.0	
Geometry	1.0	
Algebra II	1.0	
Senior Math Elective	1.0	
Physical Education & Health		1 Credit
PE	.5	
Health	.5	
Science		3 Credits
Intro to Chemistry/Physics	1.0	
Biology	1.0	
Earth & Space Science	1.0	
Social Studies		3 Credits
World History	1.0	
US History	1.0	
Government	.5	
Economics	.5	
Visual, Performing and Applied Arts		1 Credit
World Language		2 Credits

Elective Credits:

4

TOTAL CREDITS:

22

Notes:

- Core/graduation requirements have been established by the State of Michigan. All students must complete the required Michigan Merit Curriculum classes to graduate.
- Students will be allowed to Test Out of courses according to State Law and Ionia High School Policy. Your student's counselor can provide more information.

NCAA Eligibility

Your Responsibility as a Prospective Student Athlete: If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. It is your responsibility to make sure the Clearinghouse has the documents it needs to certify you.

These documents are:

- your completed and signed ***Student Release Form and Fee***.
- your ***Official Transcript***, mailed directly from every high school you have attended.
- your ***ACT*** or ***SAT*** scores.

When do you need these documents? Usually by the end of your junior year of high school.

CORE UNITS REQUIRED FOR NCAA CERTIFICATION

Core Unit	Division I	Division II
English Core	4 Years	3 Years
Math Core* (*Algebra I and Geometry or Advanced Algebra)	3 Years	2 Years*
Science Core (including at least one year of lab science)	2 Years	2 Years
Social Studies Core	2 Years	2 Years
From English, Math, or Science	1 Year	3 Years
Additional Core (English, Math, Soc. Studies, World Language, Philosophy, Non-doctrinal Religion)	4 Years	4 Years
Total Core Units Required	16	16

The minimum GPA in the 16 core courses and required ACT/SAT score vary according to the Initial-Eligibility Index. See your counselor to view the Index. For more information, visit www.ncaa.org.

Websites for College and Financial Aid Information

Colleges and Universities

www.clas.ufl.edu/au
www.collegeboard.org
www.act.org
www.anycollege.com

American College and Universities
 The College Board Online
 The American College Testing Service
 National Search

Financial Aid and Scholarship Searches

www.fafsa.ed.gov
www.nasfaa.org
www.msfaa.org
www.finaid.org
www.finaid.org/finaid/calculators/estimate.html
www.finaid.org/finaid/scams.html
www.Michigan.gov/mistudentaid
www.fastweb.com
www.cappex.com
www.collegegreenlight.com

Free Application for Student Aid
 Nat'l Assoc. of Student Aid Administrators
 Michigan Student Financial Aid Association
 Financial Aid Information Page
 Financial Aid Eligibility Estimator
 Scholarship Scams Information
 MI-SEARCH Guide for Searching Scholarships
 Scholarship Search Engine
 Scholarship Search Engine
 Scholarship Search Engine

Course Descriptions by Department

BUSINESS EDUCATION

Video Technology (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: None

This is a project-based production course that introduces students to the concepts, terminology, and equipment of video production. Basic standards of journalism will be applied. Speaking and interpersonal abilities are integral to this class for interviews and appearances on camera. This course will address telling a story visually and the hands-on use of technology - primarily cameras and video editing software. Projects range from production of the daily announcements to short films and music videos.

ENGLISH LANGUAGE ARTS

Ninth Grade Required Core

English 9

2 Semesters .5 Credit per Semester
Grade 9 Prerequisite: None

English 9 is a survey course in language and literature. It is designed to improve the student's use of the English language and help the student develop an appreciation of literature. The class introduces and studies a variety of forms of literature including short stories, novels, short drama, fiction, nonfiction, poetry, and mythology. Students will be introduced to grammar, writing, speaking, listening, and viewing skills necessary to communicate in today's world.

Honors English 9

2 Semesters .5 Credit per Semester
Grade 9 Prerequisite: None

Honors English 9 is a more intensive survey course in language and literature designed for ninth grade students. This class will study short stories, nonfiction, novels, poetry, drama, and mythology. Students will have the opportunity to improve their grammar, reading, writing, speaking, listening, and

viewing skills. Outside reading and reports will be required for credit.

Tenth Grade Required Core

English 10

2 Semesters .5 Credit per Semester
Grade 10 Prerequisite: English 9

Tenth graders in English 10 study the literature of the United States. Students will study the formation and (*English 10 continued*) growth of the United States as portrayed through its poetry, short stories, essays, dramas, and novels. Students will also develop their skills in writing, research, and reading comprehension.

Honors English 10

2 Semesters .5 Credit per Semester
Grade 10 Prerequisite: English 9

Honors English 10 provides tenth grade students with intensive study of the literature of the United States. Students will study the formation and growth of the United States as portrayed through its poetry, short stories, essays, dramas, and novels. Extensive reading will be necessary. A research paper and independent analysis will be required.

Eleventh Grade Required Core

English 11

2 Semesters .5 Credit per Semester
Grade 11 Prerequisite: English 10

This course is a study of various genres through several eras, the historical cultures which produced those pieces of literature, and the impact of literature upon individuals, groups, and society. Students will develop an awareness and appreciation for national and international authors and themes. Speaking, listening and viewing skills will be integrated for success in this class and others. Students will process and implement evidence-based reading and writing strategies, apply language standards for improving vocabulary, grammar and punctuation writing skills, and

integrate test-taking strategies for success on the SAT.

Honors English 11

2 Semesters .5 Credit per Semester
Grade 11 Prerequisite: English 10

This course is an advanced study of various genres through several eras, the historical cultures which produced those pieces of literature, and the impact of literature upon individuals, groups, and society. Students will develop an awareness and appreciation for national and international authors and themes. Speaking, listening and viewing skills will be integrated for success in this class and others. Students will process and implement evidence-based reading and writing strategies, apply language standards for improving vocabulary, grammar and punctuation writing skills, and integrate test-taking strategies for success on the SAT.

English Elective Core Courses

AP (Advanced Placement) English (Core Elective)

2 Semesters .5 Credits per Semester
Grade 12 Prerequisite: English 11

Providing outstanding preparation for university success, Advanced Placement English will offer students the opportunity to read thousands of pages of poetry, drama, essays, short stories, and novels written by a variety of classic and modern authors. Students will analyze, write, and speak about these works and some related films. A notebook and major projects will be required for credit. Receipt of a qualifying score on the Advanced Placement examination may be used for college credit.

Yearbook (Core Elective)

2 Semesters .5 Credit per Semester
Grades 11, 12 Prerequisite: Juniors and Seniors with completed application

Students will develop an understanding and fluency with Photoshop and InDesign CS, sell the advertising for the Yearbook, oversee student school pictures, and design. They will develop their abilities to write for publication, learn how to

conduct interviews and capture the moments of the year photographically.

Elective Courses – NOT CORE

The following classes are electives. They may NOT be used for English credit.

Debate (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: None

Students will learn research methods, logic, and debate theory. Students will be introduced to critical thinking skills, effective argumentation, and clear speaking skills. Legislative, Policy, and Student Congress styles will be emphasized along with chances for interscholastic competition.

Forensics (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: None

A variety of thinking, speaking, reading, and writing skills will be introduced in this course. This class is developed around the 12 speaking categories that are part of interscholastic speaking competitions. These categories include oral interpretation of literature and storytelling. Many of the class projects will be designed so that different needs, skills, and interests may be pursued.

FINE ARTS

Jazz Band (Elective)

2 Semesters .5 Credit per semester
Grades 9, 10, 11, 12 Prerequisite: Audition and Director Approval

**This is a Zero Hour class.*

The high school jazz ensemble is intended for those students who are interested in jazz performance. The course is provided before school for credit, to alleviate scheduling problems. Students that are chosen will be expected to continue their musical growth by participating in marching band. Students enrolled in Jazz Band will be required to participate in all performances: State Festival, Jazz Competitions, Home Varsity basketball games, the

Jazz Cabaret, and other community-wide performances.

Marching Band (Elective)

1st Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: 2+ years of instrumental music instruction

The Ionia High School Marching Band is a physical and demanding course that requires a high level of athleticism, musical technique, and the ability to work together as a group. Students that participate are required to attend one week of marching camp during the summer and perform in the Ionia Free Fair Parade. The Marching Bulldogs perform at all home Ionia football games, compete at marching districts, at least three other marching competitions, and parades: local and away. Color-guard auditions are held in the spring of the previous year and are open to all high school students and 8th grade students.

Concert Band (Elective)

2nd Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: 2+ years of Instrumental Instruction

Students who participate in Concert Band will perform at three concerts and are eligible to compete at District Festival and State Festival. Students that enroll in Concert Band are eligible to participate at Solo & Ensemble at the District and State level. Enrollment in this class requires attendance at all concerts and one parade.

Symphonic Band (Elective)

2nd Semester .5 Credit
Grades 10, 11, 12 Prerequisite: Director Approval and Member of 1st Semester Marching Band

Students who participate in Symphonic Band are required to enroll in Marching Band. Students will perform a minimum of three concerts and are eligible to compete at District Festival and State Festival. Students that enroll in Symphonic Band are allowed to participate at Solo and Ensemble at the District and State level.

Vocal Ensemble (Elective)

2 Semesters .5 Credit per Semester
Grades 9, 10, 11, 12 Prerequisite: None

This course is designed for beginning level vocalists who wish to further the development of their vocal skills. Attendance at various festivals and performances will be required of vocal students. The emphasis of this class will be performance preparation. Students will be exposed to various styles of music.

Chorale (Elective)

2 Semesters .5 Credit per Semester
Grades 9, 10, 11, 12 Prerequisite: Audition only, ability to sight read well.

This course is designed for the advanced level female vocalists who wish to further the development of their vocal skills. Students will be encouraged to perform at the District Solo and Ensemble Festival. (*Chorale continued*) Attendance at various festivals and performances will be required of Chorale students. The emphasis of this class will be performance preparation. Students will be exposed to various styles of music.

Choir (Elective)

2 Semesters .5 Credit per Semester
Grades 10, 11, 12 Prerequisite: Audition only, ability to sight read well.

This course is designed for the more advanced, serious vocalists who wish to further the development of their vocal skills. Students will be encouraged to perform at the District Solo and Ensemble Festival. Attendance at various festivals and performances will be required of all Choir students. The emphasis of this class will be performance preparation. Students will be exposed to various styles of music.

Ceramics, Jewelry, and Sculpture (Elective)

1st Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: None

**Lab Fee: \$5.00*

**This course may be taken four times without repeating assignments.*

This course provides the opportunity for in-depth experiences in the areas of ceramics, jewelry, sculpture, design thinking, and art history.

Drawing, Painting, and Printmaking (Elective)

2nd Semester .5 Credit

Grades 9, 10, 11, 12 Prerequisite: None

**Lab Fee: \$5.00*

**This course may be taken four times without repeating assignments.*

This course provides the opportunity for in-depth experiences in the areas of drawing, painting, printmaking, design thinking, and art history.

Digital Design Technology I (Elective)

1 Semester .5 Credit

Grades 9, 10, 11, 12 Prerequisite: Basic understanding of how computers and the Internet work

**Required: 8+ Gig Flash Drive*

Digital Design Technology I provides the opportunity to become a digital artist using computer based and online software. The blended course is delivered through in-class activity, Canvas Learning Management System (LMS,) and Google Drive. Students will capture, manipulate, and display information that includes audio, video, text and graphics. Curriculum includes: working with online and computer based software, coding, Adobe CS6 Photoshop and Illustrator, Makey Makeys, and creating an online digital portfolio using Wix. Ethics, current events, and careers.

Digital Design Technology II (Elective)

1 Semester .5 Credit

Grades 9, 10, 11, 12 Prerequisite: Digital Design Technology I with a grade of C or better

**Required: 8+ Gig Flash Drive*

Content from Digital Design Technology I is not repeated in II. Students build on skills to design more complex and challenging results. Digital Design Technology II is a blended course delivered through in-class activity, Canvas Learning Management System (LMS,) and Google Drive. Students will gain new skills in graphic design using industry standard Adobe Creative Suite Illustrator

and Photoshop. Students will experience “real world” graphic design tasks through commissioned work that will be used for school or community functions. Students will build upon skills gained in Digital Design Technology I and continue to refine and update their online portfolios. Curriculum includes: basic and intermediate graphic design skills using Adobe CS6 Photoshop and Illustrator, application and increasing proficiency with skills learned during Digital Design Technology I, refining and updating online Wix digital portfolio built during Digital Design Technology I, ethics, current events, and careers.

MATHEMATICS

Algebra I (Required)

2 Semesters .5 Credit per Semester

Grade 9 Prerequisite: None

Algebra I exposes students to a variety of functions including linear, exponential, quadratic, square root, cube root, absolute value, piecewise, step, and simple inverse functions. Students will solve simple and complex equations and inequalities using a variety of strategies. Solve a system of two linear or non-linear equations and inequalities with two variables using a variety of strategies, both graphically and algebraically.

Geometry (Required)

2 Semesters .5 Credit per Semester

Grades 9, 10 Prerequisite: Algebra 1

Geometry builds on a number of key geometric topics developed in the middle grades, namely relationships between angles, triangles, quadrilaterals, circles and simple three-dimensional shapes. Students then use these tools to analyze the characteristics and properties of lines, triangles, and quadrilaterals. Students will study area, volume, similarity, right triangle trigonometry, and transformations. Methods of reasoning and simple constructions will also be developed.

Algebra II (Required)

2 Semesters .5 Credit per Semester

Grades 10, 11 Prerequisite: Algebra I

Algebra II students will visualize, express, interpret describe, and graph functions. Perform arithmetic operations on polynomials. Students will understand the relationship between zeros and factors of polynomials. Perform operations with complex numbers, and solve quadratics with complex solutions. Students will examine inverse relationships and be introduced to logarithms. Students will model periodic phenomena with trigonometric functions and solve trigonometric equations and prove trigonometric identities.

AP (Advanced Placement) Statistics (Elective)

2 Semesters .5 Credit per Semester
Grades 11, 12 Prerequisite: Algebra II

Students will learn how to collect, organize, analyze, and interpret data. Activities and simulations are used extensively to foster active learning and motivate statistical thinking. Unlike other math courses that emphasize calculations, this course requires reading, analyzing, thinking, and writing. Because it is an Advanced Placement course, students can earn college credit for this course.

Pre-Calculus (Elective)

2 Semesters .5 Credit per Semester
Grades 11, 12 Prerequisite: Algebra II

The theory and applications of trigonometry and functions are developed in depth. These topics deepen students' understanding of algebra and extend their ability to apply algebra concepts in the study of other subjects. New mathematical tools, such as vectors, matrices, parametrics, conic sections, and polar coordinates are introduced to model and solve real-world problems.

AP (Advanced Placement) Calculus (Elective)

2 Semesters .5 Credit per Semester
Grades 11, 12 Prerequisite: Pre-Calculus

This course will integrate the understanding of differentiation and integration through multiple representations. The use of technology will provide a balanced approach to algebraic, numerical, graphical, verbal, and written methods. Students are expected to be actively involved in

understanding calculus concepts and solving problems.

Foundations in Personal Finance: Success Habits and Wealth Planning (Elective)

2 semesters .5 Credit per Semester
Grade 12 Prerequisite: None

Foundations in Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decision

Sports Statistics (Elective)

2 semesters .5 Credit per Semester
Grade 12 Prerequisite: None

Offering a unique and powerful way to introduce the principles of statistical analytics, Sports Statistics features engaging examples and a student-friendly approach. Starting from the very first chapter, students are able to ask questions, collect and analyze data, and draw conclusions using randomization tests. Is it harder to shoot free throws with distractions? We explore this question by designing an experiment, collecting the data, and using a hands-on simulation to analyze results. Completely covering the Common Core Standards for Probability and Statistics, Sports Statistics is an accessible and fun way to learn about statistics!

PHYSICAL EDUCATION

PE 9/10 (Required)

1 Semester .5 Credit
Grades 9, 10 Prerequisite: None

This class is designed to acquaint the student with the fundamentals of body conditioning, lifelong leisure activities, team activities and

individual/dual sports. This class meets the State of Michigan requirements for graduation.

Health (Required)

1 Semester .5 Credit
Grades 9, 10 Prerequisite: None

Health is a semester course that has a comprehensive curriculum designed to educate and prepare students with the skills necessary to achieve and maintain lifelong wellness and health. Successful completion of this course is a graduation requirement. Ionia High School uses the Michigan Model for Health Curriculum, which includes the following areas: Health Skills, Personal Health & Wellness, Social & Emotional Health, Healthy & Responsible Relationships, HIV/AIDS & STI's, Alcohol, Tobacco & Other Drugs, Nutrition & Physical Activity and Safety

Advanced PE (Elective)

1 Semester .5 Credit
Grades 11, 12 Prerequisite: None

**This class is only required if student was unable to take Required PE as a 9th or 10th grader.*

Fitness concepts, lifelong physical activities, and team and individual sports are experienced. Students are expected to attend, actively participate, perform required physical fitness testing, and display responsible personal and social behaviors.

Swimming (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: None

The first step in learning to swim is to become comfortable in the water. The students will be getting used to the adjustment and orientation in the water. Proper breath control and rhythmic breathing, treading, floating, gliding, sculling, changing direction and position, entering the water, underwater skills and surface diving. Students will learn proper swimming techniques.

Body Mechanics (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: None

This class is designed to improve muscular strength, power, hypertrophy, coordination, and flexibility. The majority of the lifting time is spent with free weights. The use of bands and chains will be included in the lifting program.

Get Fit (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: None

The class is designed to improve individual physical fitness, muscle tone, strength and agility. The principles of conditioning, nutrition and injury prevention, muscle identification and training principles will be included. Students will use functional movements, variance in programming, and intensity to maximize individual results. Strength building will be through body weight exercises and repetition. Students will have the opportunity to participate in yoga, exercise videos, team and individual sports and activities. This course meets the State of Michigan requirements for graduation.

SCIENCE

Intro to Chemistry and Physics (Required)

1 Semester .5 Credit
Grade 9

This NGSS aligned curriculum is designed to support high school physical science students in developing an understanding of the forces and energy involved in atomic and molecular interactions. Students observe phenomena, engage in hands on activities and use online simulations to collect evidence. From their evidence, they construct models of the forces that drive interesting phenomena and test their models by predicting further events. Concepts including electrostatic forces, Energy, Matter, Chemical reactions, & Magnetism are among the variety of concepts covered.

Biology (Required)

2 Semesters .5 Credit per Semester
Grade 10 Prerequisite: Intro Chemistry/Physics

Biology is designed to help the student develop a basic understanding of the living things and biological systems in our natural world. This will be done through the study of cellular biology, genetics and DNA, classification, energy systems and transfers, and the history of life. Students will be given the opportunity to use the scientific method to collect and analyze data.

Honors Biology (Required)

2 Semesters .5 Credit per Semester
Grade 10 Prerequisite: Intro to Chemistry & Physics
**May be taken in Grade 9 with teacher approval.*

This course is a molecular approach to the study of life science designed for the average and above average student. Students will have the opportunity to learn about what living things are and the biochemistry to how these organisms live, grow, and reproduce. Through genetics and DNA, the class will explore the concepts of protein synthesis, heredity and the changes over time incurred by life. The class will also investigate the dependence of organisms on environmental resources and the interdependence of organisms in ecosystems. Specific laboratory activities provide the student with the opportunity to measure, observe, collect and analyze data and use a logical method of problem solving.

Science Elective Courses

Honors Physics (Elective)

2 Semesters .5 Credit per Semester
Grades 11, 12 Prerequisite: Algebra II, Geometry

Physics involves the study of matter and energy. This course will involve a detailed quantitative investigation of the following topics: motion of objects (mechanics) and the causes of those motions (dynamics), heat and energy transfer and transformation, oscillations and wave motion – including light and sound, optics - including reflection (mirrors) and refraction (lenses), electricity and magnetism, and nuclear reactions involving changes in the atomic nuclei. Laboratory exercises will emphasize the real world applications of these ideas.

AP (Advanced Placement) Biology (Elective)

2 Semesters .5 Credit per Semester
Grades 10, 11, 12 Prerequisite: Honors Biology and/or Teacher Recommendation

The AP Biology course is designed to be the equivalent of a college introductory biology course. A score of 3 or higher earned on the AP exam is accepted by many colleges/universities in place of a required Biology credit. It is a demanding course that goes beyond a first year high school biology class in depth and breadth of information covered. Students will further explore biochemistry, cells, energy transformations, genetics, evolution, taxonomy, human body systems, and ecology. This will be accomplished through lecture, college type laboratory investigations, and self-directed studies. A portion of the class will be devoted to preparation for the AP Biology test in May. A qualifying score may be used for college credit; however, the test is not a class requirement.

Earth and Space Science (Elective)

2 Semesters .5 Credit per Semester
Grades 11 & 12 Prerequisite: Teacher recommendation, Algebra I and Intro to Chemistry & Physics

Earth and Space Science course will develop an understanding of a wide range of topics about the Earth system that use more advanced content, practice, and cross-cutting themes. This course includes five standard topics that are based on community-based geoscience literacy efforts: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability.

SOCIAL STUDIES

World History (Required)

2 Semesters .5 Credit per Semester
Grade 9 Prerequisite: None

This course introduces students to the study of world history in order to construct a common memory of where humankind has been and what accounts for present circumstances. Building upon foundations from middle school, the course begins with a period of expanding and intensified hemispheric interactions (circa 300 C.E.) and

continues to the present. Students study human governance systems, patterns of interactions among societies and regions, and patterns of cultural, intellectual, religious, and social changes. They analyze the impact of demographic, technological, environmental, political, and economic changes on people, their culture, and their environment. The integration of historical thinking skills and historical understandings throughout this course equips students to analyze issues and problems confronting citizens today.

US History (Required)

2 Semesters .5 Credit per Semester
Grade 10 Prerequisite: None

This course is primarily a survey of American history from Imperialism to the present. The major objective is to aid the student in developing an understanding of the people, events, places, ideas, and institutions of the past and their connection with and influence over today's world.

Government (Required)

1 Semester .5 Credit
Grade 11 Prerequisite: None

This course will take the student through the makeup of our governmental system. We will include the history of our country and of democracy and make comparisons with other systems of government throughout the world. The Core Democratic Values will be emphasized.

Economics (Required)

1 Semester .5 Credit
Grade 11 Prerequisite: None

Students will examine how individual choices, business choices, market forces, the role of government, and international trade operate within America's economic system and compare it to other world economies.

AP (Advanced Placement) US History (Elective)

2 Semesters .5 Credit per Semester
Grades 10, 11, 12 Prerequisite: World History, strong writing and critical thinking skills.

This program is a college-level United States history course designed to give students with exceptional abilities the opportunity to earn college credit. During the course, students will read numerous research articles to analyze major historical themes. Students will study history from colonization to the present day through discussion and analysis of major events viewed through themes of different eras. A variety of short essays with a historical context will be written. Upon completion of the course, the student is encouraged to take the AP US History exam.

AP (Advanced Placement) Psychology (Elective)

2 Semesters .5 Credit per Semester
Grades 11, 12 Prerequisite: Psychology

This college-level course is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. The course will also explore the ethics and methods psychologists use in their science and practice. Upon completion of the course, the student is encouraged to take the AP Psychology exam.

Ancient Civilizations (Elective)

1 Semester .5 Credit
Grades 10, 11, 12 Prerequisite: None

Students will examine the political, economic, and social events of the major cultural regions of the world. Areas of study include prehistory, river-based civilizations and classical civilizations. Emphasis will be placed on how a region's physical landscape interacts with its history and culture to make it unique.

Psychology (Elective)

1 Semester .5 Credit
Grades 11, 12 Prerequisite: None

This course is designed to increase the student's understanding of human behavior as it is influenced by heredity, society, and experience. The class will survey a variety of topics, including the nervous system, theories of personality development, memory, learning/behavior,

abnormal behavior, approaches to therapy and emotion/stress.

Sociology (Elective)

1 Semester .5 Credit
Grades 11, 12 Prerequisite: None

Social life is based upon a foundation of dynamic interaction between the people and their environment. In this course, students will explore the concepts of culture, formation of social organizations, and group dynamics. Students will also use their understanding of the three main sociological perspectives to explore social issues such as deviance, race, and ethnicity. Students will be able to understand the relationship between themselves and society as they study various sociological methods and practice using the skills of the sociologist.

WORLD LANGUAGE

Spanish I (Core Elective)

2 Semesters .5 Credit per Semester
Grades 9, 10, 11, 12 Prerequisite: None

This is a college preparatory course designed to introduce beginners to the fundamental skills of communication in Spanish. Students learn to communicate orally and in writing. Cultural aspects are presented in each unit and are discussed to enhance cultural awareness of the students.

Spanish II (Core Elective)

2 Semesters .5 Credit per Semester
Grades 9, 10, 11, 12 Prerequisite: Spanish I

Initially, the material covered in Spanish I is reviewed. This course stresses continued development of oral skills and listening comprehension. The class is frequently conducted in the target language. As the school year progresses, emphasis on reading and writing will increase. Note taking, class participation and daily preparation are required.

Spanish III (Core Elective)

2 Semesters .5 Credit per Semester
Grades 10, 11, 12 Prerequisite: Spanish II

with a C average

This course begins with a review of grammar introduced in Spanish II. Grammar not studied during the first two years is introduced. Although written exercises are used, the emphasis is on using the language interactively. This is achieved in part through the use of creative writing assignments, such as the preparation of dialogues. To help reinforce the grammar and vocabulary studied, short compositions are occasionally required. Videos and selected short readings stress cultural aspects of the Spanish-speaking world. The class is conducted in Spanish.

MCC SIGN 125 (Core Elective)

1 Semester 1.0 Credit per Semester
Grades 9, 10, 11, 12 Prerequisite: Qualifying Reading Scores

This course provides a basic knowledge of American Sign Language vocabulary and grammar and its place in American society. Elements of the communication process, ASL presentation skills, group dynamics and deaf culture are also covered. This course is a dual enrollment course offered at IHS through Montcalm Community College. Students must meet qualifying test requirements to enroll.

MCC Sign 126 (Core Elective)

1 Semester 1.0 Credit per Semester
Grades 9, 10, 11, 12 Prerequisite: MCC SIGN 125

This course is designed to increase students' knowledge and use of American Sign Language vocabulary and grammar, as well as focus on specific grammatical elements for more in-depth analysis and practice. It also includes an advanced knowledge of ASL's place in American culture. This course is a dual enrollment course offered at IHS through Montcalm Community College. Students must meet qualifying test requirements to enroll.

STEAM Pathway

Digital Design Technology I (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: Basic understanding of how computers and the Internet work

**Required: 8+ Gig Flash Drive*

Digital Design Technology I provides the opportunity to become a digital artist using computer based and online software. The blended course is delivered through in-class activity, Canvas Learning Management System (LMS,) and Google Drive. Students will capture, manipulate, and display information that includes audio, video, text and graphics. Curriculum includes: working with online and computer based software, coding, Adobe CS6 Photoshop and Illustrator, Makey Makeys, and creating an online digital portfolio using Wix. Ethics, current events, and careers.

Digital Design Technology II (Elective)

1 Semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: Digital Design Technology I with a grade of C or better

**Required: 8+ Gig Flash Drive*

** To take Graphics and Digital Design II, teacher approval is required.*

Content from Digital Design Technology I is not repeated in II. Students build on skills to design more complex and challenging results. Digital Design Technology II is a blended course delivered through in-class activity, Canvas Learning Management System (LMS,) and Google Drive. Students will gain new skills in graphic design using industry standard Adobe Creative Suite Illustrator and Photoshop. Students will experience “real world” graphic design tasks through commissioned work that will be used for school or community functions. Students will build upon skills gained in Digital Design Technology I and continue to refine and update their online portfolios. Curriculum includes: basic and intermediate graphic design skills using Adobe CS6 Photoshop and Illustrator, application and increasing proficiency with skills learned during Digital Design Technology I, refining and updating online Wix digital portfolio built during Digital Design Technology I, ethics, current events, and careers.

Robotic Computer Programming (Elective)

2 Semesters 1 Credit
Grades 10, 11, 12 Prerequisite: None

Robotic Computer Programming will focus on the essentials and operations of FANUC robots. Students will use Roboguide HandlingPRO software to simulate robot functions and programming. They will also be responsible for proper use of the robot teach pendant to manipulate and program robots. Major areas of focus will be safety, robot systems, motion programs, frames, input and output, mastering, and program and file manipulation. A general knowledge of the entire robotic industry will also be covered, along with all of the industry specific vocabulary needed to understand and communicate as future operators and programmers.

STEAM Capstone (Elective)

2 Semesters .5 Credit
Grades 12 Prerequisite: Digital Design Technology and Robotic Computer Programming

Our Science, Technology, Engineering, Arts, and Math Capstone course is the final course of our STEAM Pathway. The Capstone will provide learners with a real world opportunity to collaborate with business partners in the community to design and present creative solutions to community and business challenges. The structure of the STEAM Capstone is team-oriented, project based, and collaborative. The STEAM Capstone affords students the opportunity to apply knowledge and skills in mathematics, science, art/design, and technology. Students who complete all three courses in our STEAM Pathway will earn our STEAM Certificate and STEAM cord at graduation.

OTHER COURSES

Achievement Hour

2 Semesters No Credit
Grades 9, 10, 11, 12 Prerequisite: None
**IHS Required Course*

Achievement Hour is a 31 minute period of instructional time built into the school day for students to improve themselves academically. During Achievement Hour no regular IHS classes are being taught, and teachers are available to help students with any content questions. Students

being successful in current classes have the freedom to select which teachers they would like to meet with, or may choose to work in one of our “quiet areas” to complete school work. Students struggling with their grades will be mandated to work with their current teachers during this time.

CAP (Core Academic Preparation) (Elective)

2 Semesters 1 Credit
Grade 11 Prerequisite: None

CAP class is designed to assist students as they prepare for standardized college entrance exams. Students will learn test-taking strategies, time-management skills, and how to control test anxiety. Resources for this class will be the SAT format, Khan Academy, the College board, and experts. Students will learn and implement strategies to improve Reading, Writing and Language, Essay, and Math SAT scores. Students will be graded on participation, completion of assignments, and score improvement.

Credit Recovery (Elective)

1 semester .5 Credit
Grades 10, 11, 12 Prerequisite: Counselor Approval
**This is only an option for students behind in credits. If a student thinks this would be an option, they should discuss it with their counselor.*

Credit Recovery is a class designed to get students back on track in order to graduate on time. The course uses Edgenuity (formerly called E2020), which is an online program that students regain their credits through. The courses in E2020 have been aligned with what the teachers at Ionia High School teach in their classrooms.

Dual Enrollment (Elective)

1 semester .5 Credit
Grades 9, 10, 11, 12 Prerequisite: See Description

State law provides for a student who has met certain criteria to dual enroll in High School and College. The student must have taken all of the standardized tests and be endorsed in the subject area in which they wish to enroll. The student must exhaust the high school curriculum in the subject area in which he/she intends to dual enroll. The

student must make arrangements to dual enroll with the college and a High School counselor.

School to Work (Elective)

1 Semester up to 1 Credit per Semester
Grade 12 Prerequisite: Administrative Approval

Work-based education provides students with supervised work experiences. This program benefits seniors by allowing them to earn credit while gaining employability skills. The work experience must pertain to the students’ Career Pathways and students must be concurrently enrolled in a related and approved IHS course.

Ionia County Career Center

CTE PROGRAM OFFERINGS

All ICCC programs grant 4th year math-related credit.

Computer Programming (Elective)

1 or 2 Year Program
2 Semesters 1.5 Credit per Semester
Grades 11, 12 Prerequisite: None

Computer Programming focuses on mastering Microsoft Excel and Access, HTML website building, Java Script, CSS and Python programming while developing leadership, teamwork and communication skills. Students will work towards Microsoft Office certifications. Students will design a software application, produce code, develop and maintain a database to store information. In addition, students will be working with coding to use a Raspberry Pi, and designing projects that will utilize a 3D printer. Second year students will be required to develop individual projects for advanced study within the programming languages and technology within the program. Students will be asked to demonstrate leadership qualities by working with other students on a community based project.

Construction Technology (Elective)

1 or 2 Year Program
2 Semesters 1.5 Credit per Semester
Grades 11, 12 Prerequisite: None

Students in Construction Technology will learn how to build our future! They’ll perform math operations such as estimating and distributing materials and supplies to complete worksite/job tasks. All while applying principles of physics as they relate to

worksite/jobsite situations to work with materials and load applications. Students will also learn basic safety, problem solving, teamwork skills, building materials, components, methods, and sequences in residential construction. Second year students come back to learn a higher level of skills in construction related to trades along with an overview of career opportunities available. This program partners with the Michigan Regional Council of Carpenters Union, which allows students who successfully complete the program with a seamless transition into a construction career while being paid to further their education. Students may earn Geometry credit in this class through successful completion of curriculum in addition to the state mandated math curriculum.

Criminal Justice (Elective)

	1 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

Criminal Justice provides a broad overview of criminal law and procedures necessary for continued education in the fields of law enforcement, probation, corrections, investigation, private security and other criminal justice related careers. Students will experience areas of instruction to include law, ethics, investigations, physical conditioning, first aid, defensive tactics, and patrol and police skills. Some activities students experience while attending Criminal Justice include: Red Man defensive tactics, Dive Team, Traffic Stops, Taser Demonstration, Jail Tour, Simunition Training, Court and Central Dispatch Training Simulator.

Culinary Arts (Elective)

	1 or 2 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

Culinary Arts is designed to acclimate students to the fast-paced restaurant industry by following the National Restaurant Association Pro-Start curriculum. Students in Culinary Arts will perform a variety of tasks to maintain operations and promote guest services. In addition, students learn about: food and beverage production, nutritional values of foods, proper cooking methods, and sanitation. Running the Class Act Restaurant offers students the opportunity to research costs, utilize a modern Point of Sale (POS) system, following and understanding the importance of health, safety, and the importance of

organizational performance and regulatory compliance. Students in Culinary Arts have the opportunity to take and obtain the National Serv-Safe Certification helping them gain employment. Second year students will be mentors in the program, expand upon their first year knowledge and compete in Pro-Start competitions. Second year students must have prior instructor approval.

Diesel Technology (Elective)

	1 or 2 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

Diesel Technology is designed for students to work with large industrial equipment such as agricultural, material handling, and highway equipment. Students work in the classroom learning about the various diesel engines and components. The lab provides students with the opportunity to get hands-on experience with diesel engines and other large scale equipment. Students will perform the following duties: servicing, maintaining, repairing, inspecting, cleaning, dismantling engines and electrical systems, inspection, repair and maintenance of hydraulics systems, diagnosing of internal combustion engines, electrical components, transmissions, and heavy-duty brakes and suspension. Proper setup and operation of vehicles, preventative maintenance, equipment, and machines are a part of the job. Mechanics must often work independently, solve problems, and perform work that is physically demanding.

Educational Careers (Elective)

	1 or 2 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

In the Educational Careers program, students will study the history, development, organization, and practices of preschool, elementary, and secondary education. They will learn presentation, public speaking, writing, communication, and reasoning skills. Students will be placed in preschool, elementary, or middle school classrooms in their local district to work alongside a teacher. The program will expose students to general education, special education, and career technical education. All Educational Careers students must provide their own transportation to placement sites. Successful completion of this program will result in a

"pre-teaching" portfolio. Students will work towards the CDA and/or MISAYD certifications.

Healthcare Foundations (Elective)

	1 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

The Healthcare Foundations course focuses on introducing students to career opportunities available in the healthcare field including medical, dental and vision. Students learn skills that they will be able to use in a variety of healthcare settings. Topics include: safety, communication, information technology, teamwork, legal/ethics, anatomy and physiology, health maintenance, employability, body systems including conditions/diseases, technical skills and medical terminology. The course includes specific hands-on exploration in the areas of dental & health careers including running the Heartlands' Dental Clinic (alongside community dentists), Sparrow Ionia Hospital clinic rotations & Life EMS paramedic rotations. Students have the opportunity to earn their First Aid, CPR & AED certifications second semester.

Health Occupations (Elective)

	1 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

Health Occupations is designed to prepare students to obtain their Certified Nursing Assistant Certificate setting the foundation to advance in the health field. Curriculum covers: anatomy and physiology, medical terminology, medical math, CPR, First Aid, AED and professional clinical experience. The primary clinical experiences are with Sparrow Ionia Hospital, SKLD long term care & Life EMS. The curriculum is designed to meet the demands of the students and the changes in health care. Significant segments of class time are devoted to learning skills to be used in a nursing career; included are all aspects of personal care, taking vital signs, and learning transfer techniques. Students will learn the importance of proper communication, teamwork, safety, and

exploration in information technology. At the completion of this course students will have the opportunity to sit for their Certified Nursing Assistant (CNA) exam.

Machine Tool (Elective)

	1 or 2 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

Machine Tool is designed to expose students to state of the art industrial equipment. Students learn functions and capabilities of engine lathes, drill presses, milling machines, grinders, cut-off saws, and radial drills. Computer controlled milling and manufacturing processes are taught using the latest technology in the machine industry. Second year students prove mastery of the machines and techniques used to make an advanced project. Students may also earn Algebra II credit in this class through successful completion of curriculum in addition to the state mandated math curriculum.

Plant/Animal Science (Elective)

	1 Year Program
2 Semesters	1.5 Credit per Semester
Grades 11, 12	Prerequisite: None

The Plant/Animal Science program will prepare students for careers or further study in the areas of horticulture and animal science. Areas of study include: sustainable agriculture, horticulture, and greenhouse systems, environmental science, as well as, animal anatomy/physiology, nutrition, reproduction, and health. Students will raise poinsettias, Easter lilies, annual bedding plants, chickens, pheasants, cattle, pigs, salmon and tilapia. Upon completion of the program, students will have gained a basic awareness of agriculture and animal science and will have learned how the diversity of product in agriculture leads to future opportunities in the field. All students participate in the Ionia County FFA Chapter and will have opportunities to compete at local, state and national levels. Elements of agri-business are covered throughout the curriculum.

Complete Listing of 2024-25 Ionia High School Courses by Department

BUSINESS

Video Technology

ENGLISH

English 9

Honors English 9

English 10

Honors English 10

English 11

Honors English 11

AP English Literature

English 12

Yearbook

*Debate

*Forensics

**Not core English credit*

FINE ARTS

Jazz Band (Zero Hour)

Marching Band

Concert Band

Symphonic Band

Vocal Ensemble

Chorale

Choir

Ceramics, Jewelry, & Sculpture

Drawing, Painting & Printmaking

Digital Design Technology I & II

MATHEMATICS

Algebra I

Geometry

Algebra II

AP Statistics

Pre-Calculus

AP Calculus

Foundations in Personal

Finance: Success Habits and

Wealth Planning

Intro to Statistics

PHYSICAL EDUCATION

Physical Education

Health

Advanced PE

Swimming

Body Mechanics

Get Fit

SCIENCE

Biology

Chemistry

Honors Biology

Earth & Space

Honors Physics

AP Biology

Astronomy

Engineering in Science

SOCIAL STUDIES

World History

U.S. History

Government

Economics

AP U.S. History

AP Psychology

Ancient Civilizations

Psychology

Sociology

WORLD LANGUAGE

Spanish I

Spanish II

Spanish III

STEAM Pathway

Digital Design Technology I & II

Robotics Computer Programming

STEAM Capstone

OTHER COURSES

Achievement

Credit Recovery

Dual Enrollment

School to Work

IONIA COUNTY CAREER CENTER

Computer Programming

Construction Technology

Criminal Justice

Culinary Arts

Diesel Technology

Education Careers

Healthcare Foundations

Health Occupations

Machine Tool

Plant/Animal Science