

Oscoda Area High School Student Course Catalog 2023-2024



Graduation Requirements

In order to earn a diploma from Oscoda Area High School, students must earn a minimum of 23 credits which includes courses listed below under *Course Requirements for Graduation*. Each semester course is worth ½ credit except for the EXCEL period, it is worth ¼ credit. Students can earn a maximum of 6.5 credits during the school year through the regular course offerings. This includes Tech and college courses. Graduation Plans will be distributed to students and parents throughout the school year and are available in the OHS office.

**Students who transfer to Oscoda High School from a school on a different daily schedule than ours may have an adjusted number of elective credits required, calculated with an established formula and based on credits attempted and credits earned.*

Course Requirements for Graduation:

English	4 credits
Math (1 class during final year)	4 credits
Science	3 credits
Social Studies	3 credits
Health and Phys. Ed.	1 credit (1/2 credit for each course)
Practical, Performing or Fine Arts/CTE	1 credit*
World Language	1 credit *

*Arts and World Language must total 3 credits with a minimum of 1 in each discipline.

Credit/No Credit Courses—Dual enrollment, home-bound and home-based classes will follow guidelines for credits and grades. Additional opportunities may be available through summer school and online resources. The financial obligations associated with these opportunities are the responsibility of students and parents. Requirements from these classes, taken outside of the high school offerings, must be completed prior to seniors' last scheduled day of school to participate in graduation ceremonies.

MMC Subject Area Credit Requirements	Personal Curriculum (PC) Modifications
4 English Language Arts (ELA) Credits <ul style="list-style-type: none">Proficiency in State Content Standards for ELA (4 credits)	<ul style="list-style-type: none">No modification except for students with an Individualized Education Program (IEP) and for transfer students who have completed 2 years of high school
4 Mathematics Credits <ul style="list-style-type: none">Proficiency in State Content Standards for Mathematics (3 credits)Proficiency in district approved 4th mathematics credit options (1 credit) (Student must have a math experience in their final year of high school.Note: Students may earn 2 math credits for Algebra II when the credit is earned over 2 years, or 1.5 credits over 1.5 years, without requesting a personal curriculum	<ul style="list-style-type: none">credit of Algebra II may be modified to ½ credit Algebra II, statistics, or functions and data analysisA department-approved formal career and technical program that embeds the same content as 1 semester of Algebra II can meet the ½ credit requirementAdditional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school
3 Science Credits <ul style="list-style-type: none">Proficiency in State Content Standards for Science (3 credits); Or beginning with the class of 2015: Proficiency in some State Content Standards for Science (2 credits) and completion of a department approved formal career and technical education program (1 credit)Starting with the class of 2027 the general pathway of Science classes will be Biology, Chemistry, and Physics.	<ul style="list-style-type: none">No modification except for students with an IEP and transfer students who have completed 2 years of high school

3 Social Studies Credits <ul style="list-style-type: none"> Proficiency in State Content Standards for Social Studies (3 credits) 	<ul style="list-style-type: none"> No modification of Civics 1 social studies credit (other than Civics) can be exchanged for an additional English language arts, math, science, or world languages credit, or department-approved formal career and technical education program Additional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school
1 Physical Education and Health Credit <ul style="list-style-type: none"> Proficiency in State Content Standards for Physical Education and Health (1 credit); <i>Or</i> <ul style="list-style-type: none"> Proficiency with State Content Standards for Health (1/2 credit) and district approved extra-curricular activities involving physical activities (1/2 credit) 	<ul style="list-style-type: none"> Credit can be exchanged for an additional English language arts, math, science, or world languages credit, or department-approved formal career and technical education program Additional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school Students successfully completing 2 seasons of high school sports through Oscoda Area Schools as endorsed by the Michigan High School Athletic Association (MHSAA) could substitute these earnings for this .5 PE credit. This option is available to the class of 2026 and subsequent classes. Upon completion of the 2 seasons, students must complete a waiver application to have this requirement waived. These applications must be submitted to the counseling office.
1 Visual, Performing, and Applied Arts Credit <ul style="list-style-type: none"> Proficiency in State Content Standards for Visual, Performing and Applied Arts (1 credit) 	<ul style="list-style-type: none"> Credit can be exchanged for an additional English language arts, math, science, or world languages credit, or department-approved formal career and technical education program Additional modifications allowed for students with an IEP and transfer students who have completed 2 years of high school
2 World Languages Credits (Effective beginning with students graduating in 2016) <ul style="list-style-type: none"> Formal coursework OR an equivalent learning experience in grades K-12 (2 credits); <i>Or</i> Formal coursework or an equivalent learning experience in grades K-12 (1 credit) and completion of a department approved formal career and technical education program or an additional visual, performing and applied arts credit (1 credit) 	<ul style="list-style-type: none"> No modification except for students with an IEP and transfer students who have completed 2 years of high school
Online Learning Experience Course, Learning or Integrated Learning Experience	<ul style="list-style-type: none"> No modification except for students with an IEP and transfer students who have completed 2 years of high school

Oscoda Area High School

Course Offerings

Below are all of the courses that may be offered for the upcoming school year. To see additional information regarding what is being taught in each course, click here to see the [course overviews](#).

Required: 4 Credits of English Courses

English 9A and B: 2 semesters

English 9 will focus on reading and writing skills. Students will read and discuss literature from different genres including short stories, drama, epic poetry, novels, and works of nonfiction. Students will have opportunities to read, write, and present in various capacities over the scope of the course.

OR

Honors English 9A and B: 2 semesters

Prerequisite: Recommendation of 8th Gr Teacher along with meeting the grade level test score requirements.

This is a course designed for students who have the ability to grasp abstract concepts and a desire to push themselves. A variety of written formats will be explored including narrative, persuasive, informational, and descriptive. Students will experience a variety of genres: mythology, novels, non-fiction, poetry, and drama and will analyze and evaluate a variety of literary works. Students are advised that this is a college preparatory course and that extensive reading and writing will be required. The activities will be more rigorous than those assigned in English 9 and a more stringent late work policy will apply.

English 10A and B: 2 semesters

English 10 will focus on literature, including dramas, novels, and poetry. Relevant works of non-fiction will be used as supplemental materials for the primary texts. Elements of grammar and writing instruction will be included.

English 11A and B: 2 semesters

English 11 will continue to focus on reading, writing, speaking and listening. A broad range of American literature will challenge students to read, respond critically, write, and present to a variety of audiences.

English 12A and B: 2 semesters

English 12 will continue to focus on reading, writing, speaking and listening. A broad range of literature will challenge students to read, respond critically, write, and present to a variety of audiences. Students will be expected to complete college and career transition materials.

OR

Honors 12 A and B: **2 semesters**

Prerequisite: Previous English teacher recommendation and meeting the grade level test score requirements.

Students are advised that Advanced English 12 is a college preparatory course and that extensive reading and writing will be required. The activities will be more rigorous than those assigned in English 12 and a more stringent late work policy will apply. A broad range of British literature will challenge students to read and respond critically. Students will also be expected to apply and present knowledge gained through independent research. Both MLA and APA citation formats will be utilized.

Alpena Community College English Courses:

Prerequisite: Meeting and approval from the School Counselor. Must meet proficiency levels for state testing as one qualifier to take this course.

Required: 3 Credits of Social Studies Courses

U.S. History & Geography A and B: **2 semesters**

The major emphasis is on the political, economic, social and cultural developments from the Civil War Era to the present. Some of the topics covered are: the Progressive era, Industrialization, World War I, the "Twenties", the Great Depression and New Deal, World War II, and present day world involvement

American Government: **1 semester**

This course is designed to create an understanding of our American Government on the national and state level. Emphasis is placed on structure functions and our responsibilities to the government.

Economics: **1 semester**

Economics is a social science dealing with the study of how people satisfy seemingly unlimited and competing wants with the careful use of scarce resources. Students will study economic systems, business organizations, microeconomic principles, macro economic principles, labor unions, government spending and revenue, monetary and fiscal policy.

World History & Geography A and B: **2 semesters**

This course develops an understanding of the values and priorities of the many cultures of the world as well as the acquisition of basic concepts and principles related to the world community. Global education leads to implementation and application of the global perspective in striving for just and peaceful solutions to world problems.

Required: 4 Credits of Math Courses

*Students must take at least one Math related course the second semester of their senior year. Placement into Math courses will be based upon student assessment scores (state and local) along with teacher recommendation.

Essentials of Algebra I **2 semesters**

*Placement into this class will be based on teacher recommendation.

This class is designed to prepare students for a standard high school algebraic class. Learners are introduced to integers, fractions, square roots, step equations, linear equations, and decimals. They will also learn how to solve basic equations using variables. This course will also go into Algebra I A. This course will move at a slower pace to ensure that the students have a strong understanding of the Algebra I concepts. This may be a two year class.

Algebra I A and B: **2 semesters**

*Placement into this class will be based on teacher recommendation as there are different pathways for Math.

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course (linear, exponential, quadratic, and polynomial functions). Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, and (5) nonlinear equations. This class is available for 8th graders to take with teacher recommendation for a high school Mathematics credit.

Geometry A and B: **2 semesters**

This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. It also emphasizes writing proofs to solve (prove) properties of geometric figures.

Algebra II A and B: **2 semesters**

Prerequisite: Algebra I A and B. This course may be over a two year span. Placement of students into this 2 year course will be based on teacher recommendation.

Algebra II is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability.

The following three courses are options for a student's fourth math credit.

Trigonometry/Pre-Calculus: **2 semesters**

Prerequisite: Algebra IIA and B and teacher recommendation

This course is designed for students planning on attending a 4-year university. During the first semester, students study inverse functions, log functions, and review linear, quadratic, exponential, and sine and cosine functions. During the second semester, students study vectors, natural log functions, and are introduced to differentials and integrals.

OR

Consumer Math A & B: **2 semesters**

The goal of this course is to actively help students gain financial literacy and personal finance

skills you need to make sound financial decisions for life. Topics covered throughout this course include: money management skills, financial planning, investing, taxes, and budgeting.

OR

Alpena Community College Math Courses:

Prerequisite: Meeting and approval from the School Counselor. Must meet proficiency levels for state testing as one qualifier to take this course.

Required: 3 Credits of Science Courses

Biology A and B: 2 semesters

Biology is the study of living organisms. This laboratory class follows the systems approach in its investigation of life. Topics covered are characteristics of life, cell structure and function, genetics, evolution, plants, various systems that make up a living organism and environmental interactions. Simulations, labs, and research are used in this study. The wonderful variety of living things on this planet makes this an exciting study.

Advanced Chemistry: 2 semesters

Prerequisite: A grade of a B- or better in Biology or teacher recommendation

A laboratory course designed to better enable the college bound student to succeed in college freshman chemistry. This course includes topics and details not possible in first year chemistry.

OR

Chemistry A and B: 2 semesters

Prerequisite: A grade of B- or better in Geometry B.

Chemistry is a laboratory course designed to develop scientific process skills and in-depth knowledge of the study of matter, its properties, and its relationship to energy. Demonstrations and laboratory activities are used to reinforce the curriculum core expectations. This course is designed for the college-bound student. Because of the math skills necessary to be successful, a grade of B- or better in Geometry B or an A- or better in Algebra I B is required.

OR

Essentials of Chemistry A and B: 2 semesters

Prerequisite: Biology A & B

The course will develop scientific process skills and core knowledge in the study of matter, its properties, and its relationship to energy. Demonstrations and laboratory activities are used to illustrate the concepts of this course. Applications and real-world contexts are explored.

Advanced Coursework as a 4th Science Credit for the Classes of 2024 and 2025

Physics A and B: 2 semesters

Prerequisite: A grade of B- or better in Geometry B and successful completion of Chemistry.

The scope of physics includes the study of motion, mechanics, structure and forces. Through the application of velocities, vectors, projectile and periodic motion, electrical conductivity and energy sources, and the behavior of waves, the laws of physics are at work. Demonstrations, investigations, laboratory activities and computer simulations are used to illustrate the physical concepts studied. Critical thinking, communication skills and teamwork are emphasized in this course. The Michigan core expectations for physics will be covered. Because of the math skills necessary to be successful, a grade of B- or better in Geometry B is required.

Required Physical Education and Health Classes

Physical Education: 1 semester

This is a required Physical Education course that emphasizes exercising, fitness, agility, motor movement and swimming. Team sports and individual skills will be taught, along with the fundamentals of game playing, competition and sportsmanship. Units offered will depend on class size, weather and facility availability.

**Students successfully completing 2 seasons of high school sports through Oscoda Area Schools as endorsed by the Michigan High School Athletic Association (MHSAA) could substitute these earnings for this .5 credit. This option is available to the class of 2026 and subsequent classes. Upon completion of the 2 seasons, students must complete a waiver application to have this requirement waived. [Click here for the waiver form.](#)*

Health Education: 1 semester

This course encompasses mental, physical and social health concerns. Contemporary health issues and information will be addressed. However, the units of study will emphasize the education to help solve problems with (1) Alcohol, tobacco, and other drugs (2) Safety (3) Social and emotional health (4) Personal health and wellness (5) HIV prevention and (6) Sexuality education as outlined in the Michigan Model. The primary goal is to promote responsible decision-making and problem-solving regarding a persons' personal Health and Well-Being.

Required: 2 Credits of Foreign Language Classes

Spanish 1A and B: 2 semesters

If students successfully pass the novice level standards, students can earn their 2 credits for this class, starting with the class of 2027.

Spanish 1 will focus on teaching students basic language skills, including speaking, reading, and writing. Students will also begin to learn about Spanish geography, history, and culture. This course is a starting point for students with little to no previous Spanish knowledge.

Spanish 2A and B: 2 semesters

Prerequisite: Spanish 1A & B

Spanish 2 expands on the ideas started in Spanish 1. Students will increase their ability to speak in Spanish, increasing the length and depth of their abilities. They will also learn more about grammar, reading, writing, and Spanish culture.

Spanish 3A and 3B: **2 semesters**

Prerequisite: Spanish 2A & B

Spanish 3 expands on the ideas started in Spanish 2. Students will increase their ability to speak in Spanish, increasing the length and depth of their abilities. They will also learn more about grammar, reading, writing, and Spanish culture

Elective Courses That May Be Offered (dependent upon staffing and student requests)

Advance P.E.: **1 semester**

Prerequisite: Successful Completion of HS PE with a grade of B or higher, or opt out waiver approval, or Admin Approval.

Weight Training and Conditioning is an elective course which a student may enroll in after satisfactorily completing General Physical Education. This course is designed to concentrate on the development of strength, speed, power, agility, explosiveness, quickness, and flexibility. The primary training principles utilized within the class are derived from the Bigger-Faster-Stronger Total Program. Students will learn correct strength training techniques and proper sprint mechanics. This course is recommended for serious students who desire consistently intense workout sessions.

Art I: **1 semester**

This beginning art class teaches the Elements of Design, as well as an introduction to the Principles of Design. This course is designed as a beginning art class for students wishing to pursue upper level art courses as well as for those who wish to satisfy their Fine Arts requirements. Students will explore basic art mediums and techniques, such as drawing, painting, graphic design, photography, collage, ceramics, printmaking, and sculpture. Students will also learn and utilize methods of critiquing their art, as well as the work of their peers. This course will be rooted in the discussion and inclusion of art history, and cultural influences from around the world.

Art II: **1 semester**

Prerequisite: Successful completion of Art I or Admin Approval

This advanced art class expands upon the Elements and Principles of Design with continued exploration of the media and techniques introduced in Art I, but with more of a focus on those materials that are meant to be enjoyed by the highly motivated student. Stronger emphasis will be placed on composition, self directed pursuits, and the potential creation of portfolios for those pursuing art at the college level. Art I is/will be a prerequisite and must be fulfilled prior to the placement of a student in Art II.

Ceramics: **1 semester:**

Prerequisite: Successful completion of Art I or Admin Approval

This course provides a comprehensive study in methods of sculpture, by way of hand-built clay techniques. Students will explore three dimensional design while developing both useful and

sculptural forms. Creativity and quality craftsmanship are emphasized, with Art I & Art II being the basis for foundational knowledge.

Communication Skills: 1 semester

This course is designed to provide students with techniques to improve their interpersonal skills in order to be more comfortable and effective in a variety of situations. Units of study include speaking and listening, interpersonal communication, public communication, and mass media. Communication Skills is the prerequisite course for Speech.

Computer Graphics & Design I & II: 1 semester each

Prerequisite: Successful completion of Computer Graphics I prior to being able to take Computer Graphics II

This course is designed to give students an understanding of and practical application of Adobe Photoshop Elements and Adobe Premiere Elements. Adobe Photoshop and other Adobe programs are some of the most powerful layout programs in graphic arts and will provide entry level knowledge into the process and applications associated with these career opportunities. Projects will include the creation of documents that look like a professionally designed and printed product, which includes inserting: photos, graphics and line drawings for the text copy. Students will also produce and will be assessed on many projects that include creating an original layout for a newsletter, catalog, logos and brochures as well as designing and crafting effective promotional pieces, publications and digital art. In addition, students gain knowledge of the processes behind commercial printing operations and scanning techniques, as well as a vast array of tools for digital photography.

Concert Choir: 2 semesters

This class is designed to be a beginning level mixed choral ensemble. It is open to any student in the high school who wishes to sing. This is a performance based class and participation is an everyday component of our curriculum. Students will be expected to learn basic music theory and sight reading skills, and participate in several required performances. A large variety of music will be studied including folk, classical, foreign language and contemporary pieces.

Creative Writing: 1 semester

Prerequisite: English 9A & B

Students will be expected to write extensively in this course. The writing will include poetry, short-stories, and other creative pieces. **This is a writing lab class; therefore, students may take this class more than once, with instructor permission.

Forensic Science: 1 semester

Prerequisite: Biology A & B

This course is intended to build your understanding of the concepts and methods of Forensic Science, to improve your observation and problem solving skills, and give you insight into the use of Forensic Science in the real world. In addition to construction of new scientific knowledge and reflection on that knowledge, this course is intended to establish real world connections among the academic disciplines and increase scientific literacy for functioning as a good citizen and informed juror. This class is a very cooperative learning class with students working in groups on a regular basis.

History Through Film: 1 semester

Prerequisite: Junior or Senior level course or by administration or department approval

In this class, we will explore history through the eyes of Hollywood. We will be critically analyzing movies by comparing and contrasting the historical facts with the Hollywood version of those same facts. It will be a fun, entertaining way to learn about major historical events and the people involved in them.

Law/Advanced Government: 1 semester

Prerequisite: Successful completion of Government.

This is a law-related course which engages students in interactive methods to give a practical understanding of law and our legal system. This class focuses on legal issues relevant to students' lives and develops knowledge and skills essential in our law-oriented society.

Leadership: 1 semester

This course is designed to address character development and leadership skills. Students will participate in exercises that help develop basic leadership skills and principles as well as address positive character traits of a good leader. An emphasis will also be placed on being a productive member of the community. This is a required class for all of our 9th grade students to complete.

Literature in Film: 1 semester

Prerequisite: English 10A & B

Literature in Film studies the diversified ideas and concepts that interact when written literature is adapted to film. The students will develop habits of analysis, criticism and overall understanding and appreciation of film. Students will have frequent writing assignments in which they explore and analyze issues of interpretation as a means of preparing them for future writing requirements.

Music Theater: 1 semester

Musical Theater is a performance based class. Each semester, class participants will be responsible for the production and execution of a full-scale musical. Students will be expected to perform various acting, dancing and singing exercises on stage and in the classroom. Students will also learn "behind the scenes" aspects of theater production, including set design, props, costuming, lights and sound and stage management.

Popular Novels 1 semester

Prerequisite: English 10A & B

This course will focus on reading as both a vital skill and an enjoyable pastime. Students will read a minimum of five novels and discuss them in a literature circle format.

Psychology: 1 semester

Prerequisite: 11th or 12th grade student or by teacher permission

This is an introductory course for the student interested in studying the human mind along with human and animal behavior. Throughout the class students will look at several different methods of defining and explaining why people exhibit certain behaviors. Content that will be studied includes units on the history of psychology, psychological research methods, stages of human development, body and behavior, altered states of consciousness, sensation and perception, learning principles and application, motivation and emotion, theories of personality, and

psychological disorders.

Resource Room: 2 semesters

Prerequisite- Teacher approval and student with Individual Education Plan

Resource Support Class will focus on all academic skills and provide students with supports and accommodations as outlined in individual student IEPs

Sociology: 1 semester

Prerequisite: 11th or 12th grade student or by teacher permission

This course is for the junior or senior who is interested in human behavior in groups. Topics might include: sociology as a science, methods used by sociologists, group behavior, collective behavior, the individual and society, status and cultures, and any of the various social problems experienced in the United States.

Speech: 1 semester

Prerequisite: Communication Skills

Speech offers students the opportunity to overcome the fear of speaking in front of groups with a wide variety of speaking activities in a less threatening environment. Activities range from personal experience speeches to persuasive speeches. In order to receive credit, students must deliver all of the core speeches.

STEM Lab I & II: 1 semester each

Prerequisite for STEM II: Successful completion of STEM I with a grade of B or higher.

STEM stands for Science, Technology, Engineering, and Mathematics. STEM is an instructional program that prepares students to engage in future academic and vocational courses of study in high school, community college, and Institutes of Higher Learning. The focus of this exploratory class will be to gain hands-on skills in areas such as engineering design process, systems design, materials science, electrical circuits, basics of coding, geographical information systems, and 3-D modeling. STEM I is a CAD class with 3-D printing. STEM II has a focus on electrical circuitry and robotics. There is also a coding component to this as well.

Symphony Band: 2 semesters

This is the premier instrumental ensemble in the Oscoda Community. The class is two semesters long. Students are expected to enroll in both semesters. Participants will be expected to perform at Concerts, Festivals, Football Games, Basketball Games, Wrestling Meets, Parades and other performances. It is a performance based class with a large amount of after-school time required. It is expected that students have a solid knowledge of how to play a traditional band instrument prior to enrolling in this course.

Zoology: 1 semester

Prerequisite: Biology A and B

This course offers a study of various phyla within the animal kingdom. Animal groups range from single celled amoebas to multicellular mammals. The course progresses through the natural processes that drive adaptations and diversity of each animal group. Emphasis is placed in a laboratory setting, with a focus on behavioral patterns, internal, and external anatomical features. Dissections occur on a weekly basis.

OHS 3rd Hour Excel Courses

Students are placed into their 3rd hour Excel course based on testing data (MSTEP, NWEA, PSAT, SAT, etc), classroom grades, classroom assessments, and staff input. Students are either placed into an intervention support class or an enrichment class. Students who are placed into the intervention class will receive academic support to help the student be more successful. At the start of each marking period data will be evaluated to determine whether or not this intervention is still needed. If the student no longer needs intervention, then the student will be placed into an enrichment class instead. Students receive 0.25 credit each semester for this course. Here are some options of what the classes may be:

Math Intervention	ELA Intervention
General Intervention	Credit Recovery
Photography	Science Outdoors
Yearbook	Physical Education
Science Olympiad	Music/Choir
SAT Prep	Art

Dual Enrollment

Students interested in dual enrollment courses must meet with the counselor to get the dual enrollment packet which outlines the qualifications and required forms.

Work Based Learning

Students interested in this must have a career pathway in their EDP that connects to this learning opportunity. These may be granted on an individual basis. This will require approval through Central Office, the High School administration, and the counseling office.

Virtual Learning

Oscoda Area High School utilizes Michigan Virtual for online learning opportunities for our students. For more information and to view available courses please visit: <https://michiganvirtual.org/>. Online classes provided by GenNET, APEX Learning, Michigan Virtual, and Edmentum may be available for students to take for high school credit.

Iosco R.E.S.A. Career & Technical Education Center Program Descriptions

ARTICULATION AGREEMENTS

Students that complete an entire year in the following programs will earn an additional .5 credits of elective math: Automotive Technology, Aircraft Maintenance, Food/Tourism & Hospitality Management, Health Science / EMS, Health Science / Nursing, Power Mechanics

Students that complete an entire year in the Health Science / EMS or Health Science will earn .5

credits of biology credit during their first year and .5 credits of anatomy / physiology credit during their second year.

**IOSCO RESA CAREER & TECHNICAL EDUCATION CENTER
2023-2024 PROGRAM DESCRIPTIONS**

AUTOMOTIVE TECHNOLOGY LEVEL 1	Grade Level: 11, 12
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Technical knowledge and skills in: automotive safety, general maintenance, tires, lubrication and cooling systems, automotive brake systems. Fundamental and diagnostic skills are incorporated through hands-on experience using real vehicles and most modern equipment. NATEF approved curriculum leading to ASE national certification in maintenance/light repair, brakes and electrical/electronic. Students use hands-on skills and develop troubleshooting skills using specialized equipment and scan tools. Field trips are college and career oriented and introduce students to opportunities available to them after graduation. Students use hands-on skills and develop troubleshooting skills using specialized equipment and scan tools. Equipment in shop is state of the art and is similar to what students would use in a real world job. Students learn work ethic skills, build a resume, earn certifications and learn technical skills vital to attaining a job after graduation. Suited to all students, male or female.

AUTOMOTIVE TECHNOLOGY LEVEL 2	Grade Level: 12
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Technical knowledge and skills in: automotive electrical systems including circuit repair, ignition systems, starting and charging systems. Fundamental and diagnostic skills are incorporated through hands-on experience using real vehicles and most modern equipment. NATEF approved curriculum leading to ASE national certification in maintenance/light repair, brakes and electrical/electronic systems and a worksite program for second year students. Students use hands-on skills and develop troubleshooting skills using specialized equipment and scan tools. This is a two-year program that also incorporates engines and engine tune-up/drivability fundamentals, steering and suspension systems, and diagnostic skills. Equipment in shop is state of the art and is similar to what students would use in a real world job. Students learn work ethic skills, build a resume, earn certifications and learn technical skills vital to attaining a job after graduation. Work site programs in place for second year students to do job shadowing in a real workplace environment. Suited to all students, male or female.

BUILDING TRADES LEVEL 1 & 2	Grade Level: 11, 12
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Building Trades I and II is offered to eleventh and twelfth grade students interested in a career within the construction industry. Students will reflect upon construction as a profession, experience the realities of the trade, and develop an image of themselves as tradesmen, business people, or apprentices. Adhering to College and Career Readiness Standards, students will engage in industry related mathematics, technical written and verbal communication skills, problem solving and teamwork skills. Students will receive on the job training through participating in all phases of constructing a new custom-built residential home over a two-year period. Building Trades will offer students an opportunity to acquire general trades knowledge of proper and safe use of hand and power tools, construction materials specs and selection, basic surveying and site preparation, concrete and masonry skills, knowledge of blueprint reading, rough carpentry skills, finish carpentry skills, basic electrical wiring, plumbing, and HVAC skills, insulation, and drywall skills. Students will become familiar with national and local building codes, energy code requirements and calculations, OSHA training,

green building and alternate energy sources. Program will conclude with employment skills assistance and collaboration with postsecondary and industry partners. Suited to all students, male or female.

BUSINESS MANAGEMENT LEVEL 1	Grade Level: 11, 12
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Students will have the opportunity to explore all of the different career fields in business, such as, entrepreneurship, marketing, management, recruitment, event planning, human resources, sales, finance, supply chain, and put it into action by running their own class store. In the career planning unit students will research and report on specific career goals and develop and update their Educational Development Plan. In addition, students will develop a resume and cover letter and learn how to complete job applications and practice interview skills.

BUSINESS MANAGEMENT LEVEL 2	Grade Level: 12
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Second year students will emphasize the mastery of computer applications such as Microsoft Word, Microsoft Excel, and Microsoft PowerPoint. All students will have the opportunity to become State certified in all (3) Microsoft applications. Students will be given the opportunity to be placed in real workplace situations where they can develop enhanced Soft skills, problem solving, teamwork, communication, ethics, employability skills, and career planning. The State of Michigan Department of Education and employers have determined these skills and concepts to be essential for entry-level employment.

CULINARY ARTS & RESTAURANT MANAGEMENT LEVEL 1	Grade Level: 11, 12
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Students will develop a thorough understanding of workplace safety; food safety and sanitation; foodservice equipment; application of business math and costing in the foodservice industry; converting recipes, soups, sauces; food preparation skills including proper knife skills, and various cooking methods. Students will have an opportunity to build communications skills, learn importance of teamwork, employability skills, and test for their ServSafe® Food Handler Certification, ProStart Foundations Level One Restaurant Management & Culinary Arts Certification and begin mentored work experience. Students will have the opportunity to prepare food in a fully equipped commercial kitchen and practice these skills by planning special events. Suited to all students male or female.

CULINARY ARTS & RESTAURANT MANAGEMENT LEVEL 2	Grade Level: 12
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Students will explore the history of foodservice; the art of service; marketing; entrepreneurship, purchasing and inventory control; accounting; expansion on food preparation skills including global cuisines; nutrition; garnishing, breakfast foods, sandwiches, piping techniques and baked goods, meats and poultry. Students will learn proper operations of a facility, safety and health regulations, budgeting accounting, marketing, management, hiring and promotion of staff. They will continue their career preparation with internships working at career related work sites with a strong focus on placement into post-secondary programs. Students will have the opportunity to test for their ProStart Level 2 Management Certification and ServSafe Management Certification. Suited to all students male or female.

HEALTH SCIENCE LEVEL 1	Grade Level: 11, 12
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Students will explore careers and develop skills pertinent and transferable to a wide variety of healthcare and public safety careers, such as: emergency medicine, nursing, certified nursing assistant, medical assistant, radiology, laboratory, ultrasound, occupational and physical therapy, respiratory therapy, veterinary medicine, forensic science, criminal justice, patient care technician, medical assisting and various others. Students will experience related classroom instruction with “hands-on” training. Additional curriculum includes medical first responder, fire science skills, defense tactics and knowledge of anatomy and physiology. Students will complete the Health Center 21 online state aligned Health Science Curriculum. Students who successfully complete their curriculum may gain additional training through on-site work experience with local professionals in their chosen field.

Students are instructed in employability skills and develop and create a resume and portfolio to assist them with successful application of employment. Students are given the opportunity to participate at the Regional and State Health Occupations Students of America competition. Students are assisted with college exploration and scholarship applications. Upon successful completion of training, students may earn certification in First Aid, CPR/AED, Blood Borne pathogens, hazardous material awareness and trauma training. With successful completion of the Certified Nursing Assistant Program, students are eligible to take the State Certified Nursing Assistant test. Upon passing the State Certified Nursing Assistant test, students become eligible for employment. Suited to all students, male or female. Each student has the potential of receiving college credits through this program from various colleges through course work within the program as well as taking college courses offered within the Health Science Program.

HEALTH SCIENCE LEVEL 2	Grade Level: 12
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Students may return to the Health Science Program to gain additional knowledge in health and/or public safety careers through advanced curriculum. It is expected all second year students will earn the privilege to attend work site where they gain advanced skills and knowledge from professionals in their chosen field. Academics consist of Advanced Medical Terminology, Medical Law and Ethics, a research project, as well as curriculum related to their specific area of interest. Second year students may take the Certified Nursing Assistant Program and participate in the HOSA competition. Satisfactory completion of the curriculum may result in articulation credits with select post-secondary institutions. Suited to all students, male or female. Each student has the potential of receiving college credits through this program from various colleges through course work within the program as well as taking college courses offered within the Health Science Program.

TEACHER PREPARATION ACADEMY LEVEL 1 & 2	Grade Level: 11, 12
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The Teacher Prep Academy offers opportunities to work with a variety of students and teachers at different grade levels, develop actual lessons and activities, and gain teacher experience while earning credentials, academic, and college credit. This program is designed to expand options for students interested in a career in teaching. The Academy pairs Cadets with Host Teachers to provide students with experiences in all aspects of school-related activities from board and parent/teacher meetings to classroom and professional development experiences. Students will be exposed to a variety of topics related to education. They include classroom teaching strategies, classroom management, State of Michigan Curriculum Framework, brain research, and more. In a process based on interviews, discussions, portfolios of student work, demonstrations, field trips, and actual teaching experiences, students will gain a realistic understanding of teaching as a career.

WELDING & FABRICATION LEVEL 1	Grade Level: 11, 12
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Welding & Fabrication students will be introduced to the welding processes of Gas Metal Arc Welding, Flux Core Arc Welding, and Oxy-Acetylene Welding. Students will practice welding joints in the flat and horizontal positions. As students are learning to weld, they will fabricate and weld various projects to use their skills to produce quality products. Students will also learn about metallurgy as it applies to welding and fabricating in order to select and prepare the materials to be welded. Students will have a chance to enter their metal projects into the MITES competition to be judged. Formal instruction will include how to read welding blueprints, and students will create projects that are based on their ability to read and follow the blueprints. Students will also have the opportunity to earn an American Welding Society credential for demonstrating both their knowledge and skills in welding. Students will learn related mathematics and science, technical communication skills, problem-solving, occupational safety, teamwork and entrepreneurship. Students will develop leadership skills and responsibilities of citizenship, as well as the technical information needed for entry into the occupational area of business and industry. The Welding and Fabrication is suited to all students both female or male.

WELDING & FABRICATION LEVEL 2	Grade Level: 12
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Goals from the first year program will be expanded for the second year student. Students will learn the welding processes of Shielded Metal Arc Welding, Gas Tungsten Arc Welding and Oxy-Acetylene brazing and cutting. Students will practice welding in the flat, horizontal, and vertical positions. Strength tests will also be performed on the students' welds to determine their readiness for competitions. Students may also enter their projects into the MITES competition to be judged. In-depth areas of competency will be determined by the second-year students since a program will provide for the varied interests and abilities of each student as well as the local industry and technical needs of the community. Teamwork and Leadership skills will be gained by leading first year students in safety procedures and project coordinators. The Welding and Fabrication program is suited to all students both female or male.

We will provide accommodations as needed for students with special needs. For example: Braille or large print textbooks, interpreters, wheelchair accessible desks, etc.

The Iosco Regional Educational Service Agency does not discriminate on the basis of race, color, national origin, sex (including sexual orientation and transgender identity), disability, age, religion, height, weight, marital or family status, military status, ancestry, genetic information or any other legally protected category, (collectively, "Protected Classes"), in its programs and activities, including employment opportunities. Title IX and 504 coordinator: Hannah Wanks, 27 N. Rempert Road, Tawas City, MI, 989-362-3006 x1129.

REVISED 1/9/23