

# OVID-ELSIE HIGH SCHOOL



## 2023 - 2024 CURRICULUM GUIDE

*Ovid-Elsie High School*  
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It is the mission of Ovid-Elsie High School to present opportunities and courses that allow every student the ability to be challenged and to realize their maximum potential as they identify their future career goals. A student's progress toward graduation and receiving a diploma is determined by completing required coursework and earning the necessary credits as determined by the State of Michigan and the Ovid-Elsie Area Schools Board of Education.

The counseling department is available to help facilitate the course selections throughout a student's high school career; however, it is their responsibility to make sure they are meeting and fulfilling the graduation credits/requirements outlined below. Proper selection of courses is the first step to preparing students for their future endeavors. This should be a team approach that involves all stakeholders in a student's life, in addition to the counseling department. Course requests will be reviewed to ensure they meet all graduation requirements and align with the student's interest areas. Please note student's will be given opportunities to make changes to their schedule within a designated time frame, requests made after the communicated deadline will not be granted without a compelling reason and administrator approval.

## GRADUATION REQUIREMENTS

A minimum of 24 credits are required for graduation including the 18 credits required by the State of Michigan for the Michigan Merit Curriculum. In addition, the State of Michigan requires a completed Educational Development Plan (EDP) to show progression of courses toward future career goals. OEHS uses a program called Xello to fulfill this requirement. Xello allows students to identify strengths and skills through a variety of lessons and inventories that translate to potential future career options within one (or more) of the following career pathways:

- Arts & Communication
- Business, Management, Marketing & Technology
- Engineering/Manufacturing and Industrial Technology
- Health Sciences
- Human Services
- Natural Resources and Agriscience

In addition, the counseling department uses this information when determining approval for Career & Technical Education (RESA CTE) and Dual Enrollment courses.

Ovid-Elsie High School students have the opportunity to earn a minimum of 7 credits per school year. Students will be awarded a ½ credit per completed course with a passing grade for each period during the scheduled school day. RESA CTE courses equate to ½ credits per class period that it is scheduled each semester. Credit value exceptions for the Class of 2024 and 2025 include Dual Enrollment courses will be awarded one full OEHS credit per semester. *Beginning with the Class of 2026 and after, Dual Enrollment courses will be awarded a ½ OEHS credit per semester.*

Students who have already mastered course content in any of the Michigan Merit Curriculum graduation requirements (see below), have the option to test-out of any high school level course to earn the corresponding credit. Each OEHS department has set the criteria and standard to earn credit. Should a student request the opportunity to test-out of a specific course, they must make arrangements with the corresponding teacher and/or department in which the student is seeking credit. Ideal time to test-out of a course is at the end of the previous semester/year.

## State of Michigan Graduation Requirements (Michigan Merit Curriculum - MMC)

Four (4) credits in English aligned to state English Language Arts content standards. Course progression determined by the local school district.

- Ovid-Elsie School Board expects the completion of English I A/B, English II A/B, and English III A/B with the fourth credit of ELA being open to any courses approved for an Additional English Experience credit, per the [course grid](#).

Four (4) credits in Mathematics aligned to state Mathematics content standards. Course progression must include Pre-Algebra I A/B or Algebra I A/B, Geometry A/B, and Algebra II A/B.

- Fourth credit of Mathematics is open to any courses approved as a Senior Mathematics Experience credit, per the [course grid](#).

Three (3) credits in Science aligned to state Science content standards, including Biology A/B and either Chemistry A/B or Physics A/B.

- Biology credits can be awarded through the completion of Biology A/B or Animal Biology A/B + Plant Biology.
- Third credit of Science is open to any courses approved as a Science credit.
- Career & Technical Education courses through Clinton County or Eaton RESA also qualify for a student's third credit of Science per the [course grid](#).

Three (3) credits in Social Studies aligned to state Social Studies content standards. Course progression determined by the local school district.

- Ovid-Elsie School Board requires the completion of World History A/B, Civics, Introduction to Economics, and United States History A/B.
- Advanced Placement U.S. History A/B can be substituted for traditional U.S. History A/B.

Half (½) credit in Health aligned to state Health content standards.

Half (½) credit in Physical Education aligned to state PE standards, to include either General Physical Education or a strength course (Female, Freshmen, Strength, or Advanced).

- Two years of sufficient participation in marching band can be used to satisfy the ½ credit of P.E.

One (1) credit in Visual, Performing, and Applied Arts aligned to state VPAA standards per the [course grid](#).

Two (2) credits in a World Language aligned to state World Language content standards; or formal coursework of a world language 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).

A Personal Curriculum (PC) may be requested by a parent to modify the Michigan Merit Curriculum (MMC). A PC could be written to:

- Replace required electives to make room for advanced courses based on the student's EDP and career goals.
- Modify the upper level mathematics requirement based on the student's EDP and career goals.
- Modify, if necessary, the credit requirements of a student with an Individual Educational Plan (IEP).
- Modify credit requirements for a student who transfers in from out of state or a nonpublic school and is unable to meet the MMC requirements.

Approval for a PC resides with the Ovid-Elsie Area Schools district.

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# Recommended Course Progression for Graduation

This page is intended to help you plan out your high school courses based on your post-secondary goals.

College-Bound*	Workforce/Trades
<b>9th Grade</b> <ul style="list-style-type: none"> <li>→ Pre-Algebra A/B OR Algebra I A/B OR Geometry A/B <i>(based on initial placement)</i></li> <li>→ Biology A/B OR Animal Biology A/B + Plant Biology</li> <li>→ World History A/B</li> <li>→ English I A/B</li> <li>→ Spanish I A/B</li> <li>→ Health AND Physical Education</li> <li>→ Choice of Elective <i>(relating to future career)</i></li> </ul>	<b>9th Grade</b> <ul style="list-style-type: none"> <li>→ Pre-Algebra A/B OR Algebra I A/B OR Geometry A/B <i>(based on initial placement)</i></li> <li>→ Biology A/B OR Animal Biology A/B + Plant Biology</li> <li>→ World History A/B</li> <li>→ English I A/B</li> <li>→ Spanish I A/B</li> <li>→ Health AND Physical Education</li> <li>→ Choice of Elective <i>(relating to future career goals)</i></li> </ul>
<b>10th Grade</b> <ul style="list-style-type: none"> <li>→ Algebra I A/B OR Geometry A/B OR Algebra II A/B <i>(in correct progression)</i></li> <li>→ Chemistry A/B OR Physics A/B</li> <li>→ Civics AND Economics</li> <li>→ English II A/B</li> <li>→ Spanish II A/B</li> <li>→ Choice of Electives <i>(relating to future career)</i></li> <li>→ Dual Enrollment through LCC available</li> </ul>	<b>10th Grade</b> <ul style="list-style-type: none"> <li>→ Algebra I A/B OR Geometry A/B OR Algebra II A/B <i>(in correct progression)</i></li> <li>→ Chemistry A/B OR Physics A/B</li> <li>→ Civics AND Economics</li> <li>→ English II A/B</li> <li>→ Choice of Electives <i>(relating to future career)</i></li> <li>→ Dual Enrollment through LCC available</li> </ul>
<b>11th Grade</b> <ul style="list-style-type: none"> <li>→ Geometry A/B OR Algebra II A/B OR Pre-Calculus A/B <i>(in correct progression)</i></li> <li>→ Chemistry A/B OR Physics A/B <i>(whichever was not completed in 10th grade)</i></li> <li>→ US History A/B OR AP US History A/B</li> <li>→ English III A/B OR AP English Language A/B</li> <li>→ Junior Seminar</li> <li>→ Choice of Electives <i>(relating to future career)</i></li> <li>→ Dual Enrollment through LCC, additional AP Courses or CTE Courses through RESA available</li> </ul>	<b>11th Grade</b> <ul style="list-style-type: none"> <li>→ Geometry A/B OR Algebra II A/B OR Additional Math Credit <i>(in correct progression)</i></li> <li>→ Additional Science Credit</li> <li>→ US History A/B</li> <li>→ English III A/B</li> <li>→ Junior Seminar</li> <li>→ Choice of Electives <i>(relating to future career)</i></li> <li>→ Dual Enrollment through LCC, additional AP Courses or CTE Courses through RESA available</li> </ul>
<b>12th Grade</b> <ul style="list-style-type: none"> <li>→ Algebra II A/B OR Pre-Calculus A/B OR AP Calculus A/B <i>(in correct progression)</i></li> <li>→ AP Biology OR Additional Science Credit</li> <li>→ Additional Social Studies Credit</li> <li>→ AP English Literature OR Additional English Credit</li> <li>→ Choice of Electives <i>(relating to future career)</i></li> <li>→ Dual Enrollment through LCC, additional AP Courses or CTE Courses through RESA available</li> </ul>	<b>12th Grade</b> <ul style="list-style-type: none"> <li>→ Algebra II A/B OR Senior Math Experience <i>(in correct progression)</i></li> <li>→ Additional English Credit</li> <li>→ Choice of Electives <i>(relating to future career)</i></li> <li>→ Dual Enrollment through LCC, additional AP Courses or CTE Courses through RESA available</li> </ul>

**\*To maintain a competitive college application, it is HIGHLY recommended to take courses in all four core subject areas, all four years of high school!**

# Agriculture & Agri-Business

Courses Offered*	9	10	11	12
Animal Biology A/B	◆	◆	◆	◆
Plant Biology	◆	◆	◆	◆
Advanced Agriculture Biology		◆	◆	◆
Fisheries and Wildlife		◆	◆	◆
Landscaping & Turf Management		◆	◆	◆
Agri-Business Management		◆	◆	◆
Agriculture Leadership		◆	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

All agricultural classes require a supervised agricultural experience as well as membership in the Ovid-Elsie Chapter of FFA.

## Additional Notes

*Students may meet their Biology credit by taking Animal Biology A/B plus Plant Biology.*

<b>Animal Biology A/B</b>	<b>◆ Grades 9–12</b>	<b>2 semesters</b>	<b>½ credit per semester</b>
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Students will be introduced to the importance of animal agriculture and the role that it has in our society. Topics that will be included are units on: introduction to animal science, animal industries, genetics, reproduction, skeletal system, digestive systems, anatomy and physiology, animal health, meat science, animal welfare, and aquaculture. **FFA topics and events will be covered in this class; therefore, FFA membership is required.**

<b>Plant Biology</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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Students will begin with a general discussion of plants and their relationship and importance to man. Students will also study plant classification, cell structure, parts and functions, plant processes, and plant nutrition. The use of pesticides and their importance in agriculture (handling, application, and state/federal regulations), the horticulture industry (greenhouse, floriculture, hydroponics, etc.) and its importance to our economy will also be part of the curriculum. Career opportunities available in the horticulture and plant science industries will be explored. The greenhouse will be used for projects in germination, nutrient, and light experiments. Greenhouse projects will include asexual propagation of various species of plants. **FFA topics and events will be covered in this class; therefore, FFA membership is required.**

<b>Advanced Agriculture Biology</b>	<b>◆ Grades 10–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Animal Biology A/B and Plant Biology or instructor approval*

The advanced agriculture biology would offer a course for advanced agriculture students that are interested in pursuing a career in agriculture, natural resources, or veterinary science. Topics would include agronomy, cellular biology, soil science, biotechnology, advanced animal systems, advanced greenhouse production, career and leadership training. This course may be taken twice. **FFA topics and events will be covered in this class; therefore, FFA membership is required.**

<b>Fisheries &amp; Wildlife</b>	<b>◆ Grades</b> <b>10–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Animal Biology A/B and Plant Biology or instructor approval*

The Fisheries and Wildlife class would offer a course for advanced agriculture students that are interested in pursuing a career in agriculture, natural resources, or wildlife biology. Topics would include hunters safety, trapping, taxidermy, recreational and commercial fishing, conservation careers and leadership training. This course may be taken twice. **FFA topics and events will be covered in this class; therefore, FFA membership is required.**

<b>Landscaping &amp; Turf Management</b>	<b>◆ Grades</b> <b>10–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Animal Biology A/B and Plant Biology or instructor approval*

This course introduces the student to identification of landscape plants, their selection and use, and management practices related to the business of landscaping. A class project around or near the school will be planned and carried out by each student in the spring. **FFA topics and events will be covered in this class; therefore, FFA membership is required.**

<b>Agri-Business Management</b>	<b>◆ Grades</b> <b>10–12</b>	<b>2 semesters</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Animal Biology A/B and Plant Biology or instructor approval*

Upon completion of this program, students will have attained the basic skills and understandings in the areas of employability skills, agriculture finance, credit and borrowing, insurance, business arrangements, farm law, labor management, machinery management, farm buildings and equipment, farm taxes, and record systems. Computer record keeping will also be used in a cash flow simulation. **FFA topics and events will be covered in this class; therefore, FFA membership is required.**

<b>Agri-Business Leadership</b>	<b>◆ Grades</b> <b>10–12</b>	<b>2 semesters</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Animal Bio A/B and Plant Biology or instructor approval*

This course provides advanced agriculture students with instruction on leadership and communications skills with a focus on opportunities in the agriculture industries. Topics will include communication research, verbal and written communications, journalism, mass media, agriculture policy and human relations. Other topics may include problem solving and decision making and teamwork skills. An essential part of this course will be leadership activities (FFA) and Supervised Agricultural Experience Programs (SAE). The appropriate use of technology and industry-standard equipment is an integral part of this course. Upon successful completion of this course, students will have acquired entry-level skills for employment and be prepared for postsecondary education. **FFA topics and events will be covered in this class; therefore, FFA membership is required.**

# Art

Courses Offered*	9	10	11	12
Introduction to Art	◆	◆	◆	◆
Painting	◆	◆	◆	◆
Drawing	◆	◆	◆	◆
Mixed Media			◆	◆
Ceramics		◆	◆	◆
Advanced Art		◆	◆	◆
Art Portfolio			◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

<b>Introduction to Art</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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*May only be taken once during a student's high school career.*

Open to any student who is at any artistic level and is offered as a basic introduction to many areas. Topics will include drawing, painting, pottery, sculpture, and art history. Students will work with color, design concepts, and other basic artistic techniques.

<b>Painting</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Introduction to Art*

Designed for those students who have shown a desire for more extensive expression of artistic abilities with a focus on painting. A more detailed study of the area from Introduction to Art will be used plus an introduction of other painting techniques, art history, etc. This course can be taken again for more advanced study in painting.

<b>Drawing</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Introduction to Art*

Designed for those students who have shown a desire for more extensive expression of artistic abilities with a focus in drawing. A more detailed study of the area from Introduction to Art will be used plus an introduction of other drawing techniques, art history, etc. This course can be taken again for more advanced study in drawing.

<b>Mixed Media</b>	<b>◆ Grades 11–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Introduction to Art*

Designed for those students who have shown a desire for more extensive expression of artistic abilities with a focus in drawing. A more detailed study of the area from Introduction to Art will be used plus an introduction of other drawing techniques, art history, etc. This course can be taken again for more advanced study in drawing.



Ceramics	◆ Grades 10–12	1 semester	½ credit per semester
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◆ *Prerequisite: Introduction to Art and instructor approval*

*Lab Fees: Cost of materials and supplies for each project*

This class is a more individualized and extensive experience for students who wish to work with clay. It includes wheel-thrown and hand-built pottery, as well as exploration into various sculpture techniques and methods. Students will be responsible for a supply fee to be used for clay materials.

Advanced Art	◆ Grades 10–12	1 semester	½ credit per semester
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◆ *Prerequisite: Introduction to Art and one additional art course or instructor approval*

This class is the most individualized and advanced course available for serious art students. It is entirely self-motivated with an emphasis on portfolio development. Students will work with instructor to develop individual Advanced Art contracts and semester plans.

Art Portfolio	◆ Grades 11–12	1 semester	½ credit per semester
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◆ *Prerequisite: Introduction to Art and one additional art course or instructor approval*

*Open to college bound students who are preparing for admission to a higher education program in the visual arts. Focus will be on portfolio requirements and presentation of artwork. Written teacher recommendation is mandatory. This course may be taken more than once.*

# Business

Courses Offered*	9	10	11	12
Corporate Services I	◆	◆	◆	◆
Corporate Services II		◆	◆	◆
Business Math I			◆	◆
Business Math II			◆	◆
Personal Finance		◆	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

**Corporate Services I** ◆ Grades 9–12 1 semester ½ credit per semester

Learn about business first-hand by becoming a business team member, marketing your products and earning money. Students will learn how the real world of business operates by creating a corporation, marketing a product, producing a product, selling a product, learning business ethics, having guest speakers, field trips, and professional business mentors. Students also participate in a service learning activity. This class is taught in two main units - Marketing and BST. Each student will receive instruction in both of these areas along with an economics emphasis during the year. Students switch at mid-year. An advanced class, Corporate Services II, is also offered. **Course materials and text meet State of Michigan High School MME/ACT Economic Standards & Employability Skills.**

**Corporate Services II** ◆ Grades 10–12 1 semester ½ credit per semester

◆ *Prerequisite: Corporate Services I*

The Corporate Services II student will be responsible for the following duties: order and sales; be on hand as a consultant for group topic meetings; oversee board meetings; implement an elementary school level economic program; assistant instructor in various class duties; guide the corporation officers with the creation of the business plan; and mentor first year students.

**Business Math I** ◆ Grades 11–12 1 semester ½ credit per semester

Students will analyze the basic principle of accounting including vocabulary, principles and practices, the accounting cycle, completion of the accounting cycle, accounting for merchandise and cash transactions, periodic reporting, receivables and payables, systems and controls, and payroll systems. All students must take the B section in conjunction with the A section in order to receive high school credit for this class.

**Business Math II** ◆ Grades 11–12 1 semester ½ credit per semester

◆ *Prerequisite: Business Math I*

This course covers accounting concepts and principles, inventory costing, plant and intangible assets, accounting for partnerships and corporations, and the statement of cash flows. Microsoft Excel spreadsheets are used in this class with each chapter to aid in the computations and help the students create modern business worksheets. All students must take the B section in conjunction with the A section in order to receive high school credit for this class.

This course allows the student to gain a better understanding of loans, interest rates, discounts, investments and provides a balanced exposure to development and understanding the various aspects involved in managing one's personal finance. Covers working capital management, capital budgeting issues, a study of the time value of money, financial statement analysis, valuation of financial instruments, term structure of interest rates, and analyses of short- and long-term capital markets and illustrates ways in which risk management plans can be implemented. Exposure to this content enables students to deal with various situations where there is uncertainty about the outcome and that the possibility exists for an unfavorable outcome. Focuses on the monetary system; introduction to the financial markets; and regional and national banking institutions including thrifts, savings and loans, credit unions, brokerage firms, insurance companies, investment companies, and money center banks. Introduces students to credit analysis, credit bureaus, credit ratings, and to the differences between personal and commercial credit. Students receive exposure to how lines of credit are determined as well as various methods individuals and businesses can use to procure funds.

# Health & Physical Education

Courses Offered*	9	10	11	12
General Physical Education	◆	◆	◆	◆
Freshman Strength & Conditioning	◆			
Female Strength & Conditioning	◆	◆	◆	◆
Strength & Conditioning	◆	◆	◆	◆
Advanced Strength & Conditioning	◆	◆	◆	◆
Sport & Recreation	◆	◆	◆	◆
Techniques of Officiating			◆	◆
Athletic Training - Intro to Kinesiology			◆	◆
Swimming & Lifeguarding	◆	◆	◆	◆
Health	◆	◆	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

## Graduation Requirement

Half (½) credit in Health aligned to state Health content standards.

Half (½) credit in Physical Education aligned to state PE standards, to include either General Physical Education or a strength course (Female, Freshmen, Strength, or Advanced).

- Two years of sufficient participation in marching band can be used to satisfy the ½ credit of Physical Education

**General Physical Education** ◆ Grades 9–12 1 semester ½ credit per semester

*This course will fulfill your ½ credit in physical education.*

This course may cover topics such as basketball, flag football, softball, racket sports, physical fitness, track and field, speedball, and/or volleyball. Students will be expected to demonstrate basic skill competency and rules knowledge for each of the sports covered during the term. Students must dress everyday and participate to the best of their ability. **A doctor's excuse will be required for injuries or illness of 2 days or longer. After 3 weeks (15 school days) of non-participation with a doctor's note, the student will be required to repeat the course.**

**Freshmen Strength & Conditioning** ◆ Grades 9 1 semester ½ credit per semester

*This course will fulfill your ½ credit in physical education.*

*May be taken only once during freshman year of high school.*

This course is designed for the student who has a desire to learn the basic principles and techniques of effective strength training. Only students who have a strong desire to train should take this course. Major components are: speed training, endurance training, and strength training. Students will be required to run and/or lift weights on a prescribed training schedule every day. Students will also learn major muscles of the body. Students will be expected to show a strong desire to develop better strength and speed. Students will be graded on progress and instructor established fitness levels. Students will learn specificity of training and various training programs for muscle types and body types. Students must dress every day and participate to the best of their ability.

<b>Female Strength &amp; Conditioning</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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*This course will fulfill your ½ credit in physical education.*

*May be taken multiple times during a student's high school career with instructor approval.*

This course is designed for the female student who has a desire to learn the principles and techniques of effective strength training. Only students with a strong desire to train should take this course. Major components are: speed training, endurance training, and strength and power training. Students will be required to run and/or lift weights on a prescribed training schedule every day. Students will learn to keep effective training records and set and break personal records every workout, major muscles of the body and the specificity of training and various training programs for muscle types and body types. Students will be expected to show a strong desire to develop better strength and speed and will be graded on progress and instructor established fitness levels. Students must dress every day and participate to the best of their ability.

<b>Strength &amp; Conditioning</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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*This course will fulfill your ½ credit in physical education.*

*May be taken multiple times during a student's high school career with instructor approval.*

This course is designed for the student who has a desire to learn the principles and techniques of effective strength training. Only students with a strong desire to train should take this course. Major components are: speed training, endurance training, and strength and power training. Students will be required to run and/or lift weights on a prescribed training schedule every day. Students will learn to keep effective training records and set and break personal records every workout and major muscles of the body. Students will be expected to show a strong desire to develop better strength and speed and will be graded on progress and instructor established fitness levels. Students will learn specificity of training and various training programs for muscle types and body types. Students must dress every day and participate to the best of their ability.

<b>Advanced Strength &amp; Conditioning</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Completing your ½ credit in either physical education, freshmen strength, female strength or strength & conditioning with instructor approval*

*May be taken multiple times during a student's high school career with instructor approval*

This course is an elective. Students should complete Freshmen, Female or Strength Class before taking this class. Students will be actively involved in ADVANCED weight training, agility and plyometric exercises as well as personal fitness conditioning.

<b>Sports &amp; Recreation</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Completing your ½ credit in either physical education by any of the qualifying classes*

*May be taken multiple times during a student's high school career with instructor approval*

This course places emphasis on individual, team and recreational sports that can be played throughout one's lifetime. Students will be expected to demonstrate mastery of sport specific skills, rules and knowledge. This course may include fees that are to be paid by the student. Students must dress every class and participate to the best of their abilities. The course could include, but is not limited to, football, softball, soccer, broomball, speed ball, basketball, volleyball, archery, swimming, bowling, tennis, track, golf, ultimate frisbee, reunion games, badminton, kickball, flicker ball, indoor soccer, and indoor softball. Can not take the class more than once in semester.

Techniques of Officiating	◆ Grades 11–12	1 semester	½ credit per semester
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*This will count as a VPAA credit and will not fulfill the ½ credit of Physical Education requirement.*

Students will learn the techniques of sports officiating, including decorum, rules knowledge, mechanics, and game implementation. To begin, students will learn about general officiating decorum, the positive aspects of officiating and giving back/staying involved in sports, and the importance of officials within interscholastic athletics. Sports that will be covered include volleyball, basketball, and baseball/softball (others may be added or substituted based on need or other considerations.) Students will also get in-game experience within the class officiating intramural contests. If time and resources allow students may be able to work towards MHSAA certification in a particular sport.

Athletic Training - Intro to Kinesiology	◆ Grades 11-12	1 semester	½ credit per semester
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◆ *Prerequisite: Student's must have 3.0 gpa or higher. Juniors and seniors will have preferential admittance. It is recommended that a student has earned credit in Biology, Physiology or Anatomy before taking this course.*

This course is most recommended for those wishing to pursue a profession in Sports Medicine. Careers include: athletic training, physical therapy, personal trainer, sports medicine, physician, physical education teacher and more. The course is an overview of prevention, management, and rehabilitation of athletic injuries. The student will learn to assess injuries and proper use of such things as ice, heat, range of motion, and strengthening. Other topics will include legal implications of athletic training, first aid principles and taping procedures.

Swimming & Lifeguarding	◆ Grades 9–12	1 semester	½ credit per semester
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◆ *Prerequisite: Completing your ½ credit in either physical education and successful passage of a swim test. May be taken multiple times during a student's high school career with instructor approval*

This elective course focuses on stroke development, fitness swimming, water games/sports, and basic rescue and lifeguarding skills. Students will be expected to pass a swim test to participate in the course. Students will demonstrate swim rescue techniques and skills in the pool.

Health Required	◆ Grades 9–12	1 semester	½ credit per semester
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We will discuss health related topics such as: nutrition, reproductive health, suicide, drug, alcohol and tobacco education, stress management and mental health. Students will be expected to meet a minimum performance standard in each of these topics.

# Industrial Education

Courses Offered*	9	10	11	12
Wood Technology I	◆	◆	◆	◆
Wood Technology II		◆	◆	◆
Wood Technology III		◆	◆	◆
Metal Technology	◆	◆	◆	◆
Metal Technology II		◆	◆	◆
Residential Building Trades			◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

<b>Wood Technology I</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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**Fees: Cost for materials may be required**

This course covers carpentry and cabinet making which includes: layout and planning, construction techniques, use of tools and machines, laminating, bending and wood finishing.

<b>Wood Technology II</b>	<b>◆ Grades 10–12</b>	<b>1 semester</b>	<b>1 credit per semester</b>
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◆ *Prerequisite: Wood Technology I*

**Fees: Cost for materials may be required**

This course is a continuation of Wood Technology I, for increasing student skills and knowledge of machines, procedures and materials in woodworking. Wood Tech II is a 2-hour block on schedule.

<b>Wood Technology III</b>	<b>◆ Grades 10–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Wood Technology II and instructor approval*

**Fees: Cost for materials may be required**

This class is designed to provide for more individualized and extensive experience for students who desire to pursue the woodworking field in greater depth. Students will be responsible for providing or purchasing needed materials. These include: tape measure, wood, metal, and finishing materials.

<b>Metal Technology I</b>	<b>◆ Grades 9–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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**Fees: Cost for materials may be required**

This course is designed to give instruction in the areas of welding, bench metal work, machining processes, sheet metal work, forging, and heat-treating.

<b>Metal Technology II</b>	<b>◆ Grades 10–12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Metal Technology I*

**Fees: Cost for materials may be required**

This course is designed to continue the skills gained in Metal Technology I to increase students' understanding of tools, materials and processes used in working with metal in industry.

## Residential Building Trades

◆ Grades 11–12

1 semester

1 credit per semester

◆ *Prerequisite: Wood Technology I and Wood Tech II or instructor approval*

Students will learn the field of residential building trades, techniques, construction, and materials estimation and design. Students will learn residential framing, pole and timber framing and have the opportunity for hands-on experience.



# Language Arts & Media

Courses Offered*	9	10	11	12
English I A/B	◆			
English II A/B		◆		
English III A/B			◆	
AP English Language & Composition A/B			◆	
AP English Literature & Composition A/B				◆
Creative Writing			◆	◆
Novels			◆	◆
Public Speaking			◆	◆
Writing & Film A/B				◆

\*The diamond (◆) indicates when a course can be taken during high school

## Graduation Requirements

Four (4) credits in English aligned to state English Language Arts content standards. Course progression determined by the local school district.

- Ovid-Elsie School Board requires the completion of English I A/B, English II A/B, and English III A/B with the fourth credit of ELA being open to any courses approved for an Additional English Experience credit, per the course grid on page 45

**English I A/B** ◆ Grade 9 2 semesters ½ credit per semester  
Required

English I covers the eight parts of speech and students are responsible for writing three major papers: a descriptive paper, a literary analysis, and a narrative essay. The course requires reading the novel *To Kill A Mockingbird*. English I will also include a short story/nonfiction unit, excerpts from *The Odyssey*, and Shakespeare's famous play, *Romeo and Juliet*. Students will be writing three papers including a short story analysis, a compare-contrast essay, and a research paper. All students must turn in all formal papers in order to pass the sections of the course. MLA formatting is reviewed and used. Grammar will be reviewed throughout both semesters. Additional writing will take place using the OEHS Persuasive Writing and Critical Thinking Rubric.

**English II A/B** ◆ Grade 10 2 semesters ½ credit per semester  
Required

◆ *Prerequisite: English I A/B*

In this course students will study American Literature from a variety of genres and time periods. Selections will include short stories and poetry as well as longer works such as Arthur Miller's *The Crucible* and *Of Mice and Men* by John Steinbeck. Students will expand their vocabulary with vocabulary assignments and quizzes. They will build on their grammar knowledge and skills from English I with a focus on application at the sentence and paragraph level. They will examine and write effective paragraphs and full-length compositions, including a research paper. MLA formatting is reviewed and used. Grammar will be reviewed throughout both semesters.

## English III A/B

◆ Grade 11

2 semesters

½ credit per semester

### Required

◆ *Prerequisite: English II A/B*

*Students have a choice between English III A/B, AP Language & Composition A/B.*

This course will cover British Literature from 449-to the present. Students will read non-fiction, fiction, drama, and poetry of British authors. Several full-length novels will also be read. Persuasive writing methods will be reviewed, emphasized, and utilized to help students on the SAT. Three 3-5 page formal papers are required along with one 6-8 page comprehensive Literary Analysis. All four formal composition papers are required to be turned in to pass the sections of the course. MLA formatting is taught in-depth. APA formatting may be covered. Grammar will be reviewed throughout both semesters.

## AP English Language & Composition

◆ Grade 11

2 semesters

½ credit per semester

◆ *Prerequisite: Completion of English II A/B and application with instructor approval*

*This course will fulfill the English III A/B requirement.*

Students in this introductory college-level course read and carefully analyze a broad and challenging range of nonfiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing, students develop their ability to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities.

Course readings feature expository, analytical, personal, and argumentative texts from a variety of authors and historical contexts. Students will examine and work with essays, letters, speeches, images, sermons and autobiographies. Students will also frequently confer about their writing in and out of class while practicing the conventions of Standard Written English. Furthermore, students will study the rhetoric of visual media in films and advertisements. Finally, students will prepare for the AP English Language and Composition Exam and may be granted college credit as a result of satisfactory performance. **Students should be aware that they are responsible for the exam fee.**

The course is constructed in accordance with the guidelines described in the AP English Course Description, and, therefore, students are expected to read critically, think analytically, and communicate clearly both in writing and speech.

See [Appendix B](#) for credit transfer equivalencies for Lansing Community College (LCC).

<b>AP English Literature &amp; Composition</b>	<b>◆ Grade 12</b>	<b>2 semesters</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: Completion of English III A/B or AP Language and application with instructor approval*

The AP English Literature and Composition course is designed and taught thematically with an emphasis on core readings along with modern and contemporary selections that illuminate and expand upon a variety of themes. AP English Literature and Composition closely follows the requirements described in the AP English Literature and Composition Course and Exam Description (CED), including the fundamentals of literary analysis and introductory college composition. Each week students discuss and engage in a variety of writing activities focusing on argumentation, interpretation, analysis, rhetorical strategies, exposition, structure, and style. Students read and study a variety of novels, plays, poems, and short stories from the 16th century to the present. In addition to district- approved novels, students read shorter works and drama from Exploring Literature: Writing and Thinking About Fiction, Poetry, Drama, and the Essay. The course focuses on the experience of literature, the interpretation of literature, the evaluation of literature, and writing to develop stylistic maturity and sophistication. Students practice their writing via numerous timed essays, which are revised several times, as well as longer essays that require outside research and MLA formatting. Students also practice oral communication skills, through poetry presentations, regular classroom discussions and acting as discussion facilitators. **Students should be aware that they are responsible for the exam fee.**

See [Appendix B](#) for credit transfer equivalencies for Lansing Community College (LCC).

<b>Creative Writing</b>	<b>◆ Grades 11-12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: English II A/B*

Can be used toward required additional Language Arts credit

Creative Writing is offered as an elective, independent study-only course. The course uses two college-level textbooks and requires a student to be self-motivated. There is a lot of writing and creativity utilized. The final project is a long fictional story.

<b>Novels</b>	<b>◆ Grades 11-12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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*Can be used toward required additional Language Arts credit*

Students will read and discuss both class novels and novels of their own choosing. In addition to assignments designed to practice good reading skill development, there will be papers or projects the students will complete after finishing a novel.

<b>Public Speaking</b>	<b>◆ Grades 11-12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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◆ *Prerequisite: English II A/B*

*Can be used toward required additional Language Arts credit*

This course covers a variety of individual public speaking activities. Students will learn to research, write, and deliver speeches based upon purpose and content. A series of different types of speeches will be explored, written, and delivered. The speeches due may include, but are not limited to: introduction, oral reading, debate, persuasive, demonstration, informative, interview, commemorative, and impromptu.

◆ *Prerequisite: English III A/B**Can be used toward required additional Language Arts credit**Parental consent to watch selected educational R-rated films*

This film course emphasizes communication and written expression in addition to popular American film viewing. The State of Michigan focus “Leadership Qualities” will be examined and utilized throughout the course. Multiple formal papers will be written along with journals, which will be due almost weekly. The course will consist of analytical readings and viewings as well as creative and critical thinking. The films will encompass a variety of genres and ideas including: historical (war), biographical, drama, documentary, sports, action, the American dream, racism, religion, and the western. There may also be one foreign film and two independent films. Students will look at how films bring alive the complex nature of the cultural processes, events, everyday lives, and political transformations in a way that textbooks and readings cannot. Oral presentations will be incorporated. APA formatting may be covered. Grammar will be reviewed throughout both semesters. Additional writing will take place using the OEHS Persuasive Writing and Critical Thinking Rubric.

# Mathematics

## Courses Offered\*

	9	10	11	12
Pre-Algebra A/B	◆			
Algebra I A/B	◆	◆		
Geometry A/B	◆	◆	◆	
Algebra II A/B		◆	◆	◆
Pre-Calculus A/B			◆	◆
AP Calculus A/B				◆

\*The diamond (◆) indicates when a course can be taken during high school

## Graduation Requirements

Four (4) credits in Mathematics aligned to state Mathematics content standards. Course progression must include Pre-Algebra I A/B or Algebra I A/B, Geometry A/B, and Algebra II A/B.

- Fourth credit of Mathematics is open to any courses approved as a Senior Mathematics Experience credit, per the course grid on page 45
- **Math progression based on individual student needs**

### Pre-Algebra I A/B

◆ Grade 9

2 semesters

½ credit per semester

Required

◆ *Prerequisite: Placement based on individual student needs*

This course will provide students with the intermediate steps between 8th grade math and Algebra I. The topics that will be covered will consist of using previously learned skills and applying them to the basic skills of Algebra I without fully jumping into just Algebra concepts. Throughout the year, students will be able to solidify the basic mathematical skills necessary to advance onto Algebra I.

### Algebra I A/B

◆ Grades 9-10

2 semesters

½ credit per semester

Required

◆ *Prerequisite: Pre-Algebra I A/B or placement based on individual student needs*

Algebra continues to build on the ability of the student to recognize and solve mathematical and real-world problems involving linear relationships and their graphs. The study will broaden into systems of equations, linear regression and correlations. This course will also include exponential and quadratic functions. Algebra will connect the topics of numbers and geometry by introduction of their properties. The student will become aware through modeling of algebraic thinking to solve real-world problems.

### Geometry A/B

◆ Grades 9-11

2 semesters

½ credit per semester

Required

◆ *Prerequisite: Algebra I A/B or placement based on individual student needs*

Geometry is the study of two- and three-dimensional figures including lines, planes and polygons. This course also includes the study of logic and proof. It is in this study that the knowledge of deductive reasoning skills will be developed and applied to both mathematical and real-world problem context. Geometry will also include the study of right triangle trigonometry.

Algebra II A/B Required	◆ Grades 10-12	2 semesters	½ credit per semester
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◆ *Prerequisite: Geometry A/B*

Algebra II enlarges the family of functions studied in Algebra I to include rational and trigonometric functions. The families of logarithmic and exponential functions will be expanded. The topic of conic sections fuses algebra with geometry. Finally, an understanding of algebraic thinking as an accessible and powerful tool that can be used to model and solve real world problems will be acquired.

Pre-Calculus A/B	◆ Grades 11-12	2 semesters	½ credit per semester
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◆ *Prerequisite: Algebra II A/B*

Functions, Statistics and Trigonometry continues the study of trigonometric functions and their graphs. Series and combinations and statistics are studied more in depth. The study of statistics is a requirement for many majors at the college level.

AP Calculus A/B	◆ Grade 12	2 semesters	½ credit per semester
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◆ *Prerequisite: Pre-Calculus and application with instructor approval*

This course should be taken in the fall and spring semesters of the student's senior year to allow the greatest success on the AP calculus test and college placement tests. This course will include a study of differential and integral calculus. Topics include delta notation and rates of change, sequences and limits of sequences, differentiation, maxima and minima integral, and bounded areas of straight lines and curves. Upon completion the student will be eligible to take the AP Calculus test. **Students should be aware that they are responsible for the exam fee.**

See [Appendix B](#) for credit transfer equivalencies for Lansing Community College (LCC).

# Media

## Courses Offered\*

	9	10	11	12
Broadcasting Journalism - Radio	◆	◆	◆	◆
Broadcasting Journalism - Television	◆	◆	◆	◆
Journalism Staff - Design & Photo	◆	◆	◆	◆
Journalistic Writing I	◆	◆	◆	◆
Journalistic Writing II	◆	◆	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

**Broadcasting Journalism-Radio** ◆ Grades 9-12 1 semester ½ credit per semester

Students in this broadcast journalism course learn the skills they need to staff the school's radio station, WOES-FM. Topics include newswriting; music programming and scheduling software; on-air announcing; radio radio broadcasting; and station management. Additional work outside of the classroom to cover events may be required.

**Broadcasting Journalism-Television** ◆ Grades 9-12 2 semesters ½ credit per semester

◆ *Prerequisite: Staff application and instructor approval*

Students in this broadcast journalism course learn the skills they need to produce the school's daily newsmagazine show, OETV Update. Staff members must have a strong work ethic, be able to work in a team, exhibit leadership skills and make ethical content choices. Topics include newswriting; non-linear editing; electronic news gathering; story package production; anchoring and on-air reporting; multi-camera studio production; operation of studio and field video equipment; lighting techniques; scriptwriting; directing; pre- and post-production; history of television broadcasting; staff management; and copyright and fair use guidelines.

Significant work outside of the classroom to cover events and meet deadlines is expected and required.

**Journalism Staff - Design & Photo** ◆ Grades 9-12 1 semester ½ credit per semester

◆ *Prerequisite: Staff application and instructor approval*

The student journalism staff produces the high school and middle school yearbooks as well as content for the student news website, OEOnline.org. Staff members must have a strong work ethic, be able to work in a team, exhibit leadership skills and make ethical content choices. Students set goals, make business decisions, practice editorial oversight of the publications, meet deadlines and mentor new staff members. Topics covered through practice include student press law; ethics and responsibility; the art of interviewing; publication layout and design using Adobe InDesign software; photo composition and enhancement using Adobe Photoshop software; and business organization and advertising sales.

Significant work outside of the classroom to cover events and meet deadlines is expected and required.

**Journalistic Writing I****◆ Grades 9-12****1 semester****½ credit per semester**

*Can be used toward required additional Language Arts credit*

Students learn to write, interview and publish stories as a journalist. Topics include feature writing, news writing, opinion writing and narrative storytelling. Work will be eligible for publication in the school yearbook as well as the student news site, OEOnline.org. Additional work outside of the classroom to cover events may be required.

**Journalistic Writing II****◆ Grades 9-12****1 semester****½ credit per semester**

**◆ Prerequisite:** *Staff application and instructor approval*

*Can be used toward required additional Language Arts credit*

Students build upon the skills covered in Journalistic Writing I to produce multiple types of stories for publication. Emphasis is placed on narrative storytelling as well as multiple modes of communication, including writing for audio and video productions. Work will be eligible for publication in the school yearbook as well as the student news site, OEOnline.org. Additional work outside of the classroom to cover events may be required.



# Performing Arts

Courses Offered*	9	10	11	12
Band	◆	◆	◆	◆
Jazz Band	◆	◆	◆	◆
Music Appreciation		◆	◆	◆
Choir	◆	◆	◆	◆
Drama	◆	◆	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

## Additional Notes:

Students taking Band or Jazz Band shall supply their own instruments to use throughout the course. If this is not possible, an instrument may be loaned to the student, on contract, for the duration of the course.

Band	◆ Grades 9-12	2 semesters	½ credit per semester
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◆ *Prerequisite: Middle School Band or audition with instructor approval*

**Attendance at ALL performances is mandatory.**

**Summer band camp is a required activity for ALL high school band students.**

Band is open to all students with an instrumental background. Class work opportunities include solos, small ensembles, band festivals, marching band, pep band, and honor bands. High School Band is a large and vital part of the seven-year sequential and comprehensive music curriculum offered at Ovid-Elsie Area Schools. The class is designed in such a way that students should elect the class each year of high school. Two years of marching band will fulfill the required ½ credit in physical education.

Jazz Band	◆ Grades 9-12	2 semesters	½ credit per semester
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◆ *Prerequisite: Middle School Band or audition with instructor approval*

**Attendance at ALL performances is mandatory.**

Jazz band is designed for students with special interest in jazz music. The audition will consist of sight reading a piece of music chosen by the instructor. Class work will include many performance opportunities.

Performance fundraisers outside of class are expected and required.

Music Appreciation	◆ Grades 10-12	1 semester	½ credit per semester
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◆ *Students are admitted with approval by the instructor*

**Attendance at ALL performances is mandatory.**

Students must have prior experience playing in a concert band. Students in this class learn how to instruct their peers in all aspects of music. They organize, plan, work with individuals and small groups. They will be expected to learn a new instrument and perform on their secondary instrument.

Choir	◆ Grades 9-12	1 semester	½ credit per semester
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**Attendance at ALL performances is mandatory**

This is a semester long, performance opportunity offered to students who are interested in vocal performance. Students will develop vocal technique and musicianship as well as develop critical thinking skills through the analysis of musical elements, history and other artistic venues. Students are expected to participate in at least one evening concert each semester as a major part of their grade as well as a few other performance opportunities that arise throughout the semester.

Drama	◆ Grades 9-12	1 semester	½ credit per semester
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**Attendance at ALL performances is mandatory**

The class introduces the student to beginning acting techniques and theatre appreciation. The class includes team work, relaxation, concentration, movement, voice, play analysis, acting, improvisation, character analysis, performance, scene work, monologues, audition/interview skills, theatre vocabulary, theatre history and play reviews.

# Science

Courses Offered*	9	10	11	12
Biology A/B	◆			
Advanced Biology		◆	◆	◆
Human Physiology		◆	◆	◆
AP Biology A/B			◆	◆
Chemistry A/B		◆	◆	◆
Chemistry C			◆	◆
Physics A/B		◆	◆	◆
Physics C			◆	◆
Astronomy	◆	◆	◆	◆
STEM	◆	◆	◆	◆
Robotics	◆	◆	◆	◆
Computer Application & Design I	◆	◆	◆	◆
Computer Application & Design II	◆	◆	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

## Graduation Requirements

Three (3) credits in Science aligned to state Science content standards, including Biology A/B and either Chemistry A/B or Physics A/B.

- Biology credits can be awarded through the completion of Biology A/B or Animal Biology A/B + Plant Biology.
- Third credit of Science is open to any courses approved as a Science credit per the course grid on page 45 or a Career Technical Education course through Clinton County or Eaton RESA.

**Biology A/B** ◆ Grade 9 2 semesters ½ credit per semester  
Required

The major goal of this course is to help students gain a basic understanding of all living things. Topics include cells, ecology, energy flow, cycles of matter, climate, ecosystems and communities. Some lab work will accompany this course. The course explores the basic theories of biology including cell growth and division, genetics, kingdoms and domains, bacteria and viruses, DNA and RNA. Recommended for college-bound students.

**Advanced Biology** ◆ Grades 10-12 2 semesters ½ credit per semester

◆ *Prerequisite: Completion of Biology A/B with a C average or above and enrollment in Chemistry A or instructor approval*

This course is designed to further explore the vertebrate animals and to prepare students for human physiology. Lecture, dissections, discussions, and papers will be utilized. Labs include the dissection of fetal pigs and frogs.

Human Physiology	◆ Grades 10-12	1 semester	½ credit per semester
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◆ *Prerequisite: Completion of Advanced Biology with a C or above*

This course focuses on the function and structure of various organ systems with an in-depth study of the muscle, digestive, circulatory and nervous systems. This class utilizes lecture, discussion, projects, and numerous laboratory experiences. Human Physiology is a college prep course for students interested in biology, health, or medical related careers.

AP Biology A/B	◆ Grades 11-12	2 semesters	½ credit per semester
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◆ *Prerequisite: Completion of Biology and Chemistry A, application and instructor approval*

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The AP Biology course is equivalent to a two-semester college introductory biology course. Students will prepare for the AP Biology Exam and may be granted college credit as a result of satisfactory performance. **Students should be aware that they are responsible for the exam fee.**

See [Appendix B](#) for credit transfer equivalencies for Lansing Community College (LCC).

Chemistry A/B Required	◆ Grade 10-12	2 semesters	½ credit per semester
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◆ *Prerequisite: Algebra I A/B and Geometry A/B*

This course will cover in depth: matter and energy; atomic structure; periodicity; ionic compound; covalent compounds; chemical equations; and stoichiometry (mass relationships.) Laboratory experience and processes are included in this course. Recommended for college-bound students entering careers in science or medicine.

Chemistry C	◆ Grades 11-12	1 semester	½ credit per semester
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◆ *Prerequisite: Chemistry B*

This course will cover in depth: field chemistry, job applications, and biochemistry. Laboratory experience and processes are included in this course. Recommended for college-bound students entering careers in science or medicine.

Physics A/B Required	◆ Grade 10-12	2 semesters	½ credit per semester
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◆ *Preferably taken after completion of Geometry*

This course will study the basics of: scientific thinking and method, motion, vectors, acceleration, forces, Newton's Laws of Motion, momentum, energy, sound, and light. Laboratory experience and hands-on activities are included in this course.

Physics C	◆ Grades 11-12	1 semester	½ credit per semester
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◆ *Physics B*

This course will study our place in the universe, including: history of astronomy, exploring space, manned space missions, the Earth-Moon system, our solar system, planets and other solar system objects, our sun, stars, galaxies, and the universe. Observation and hands-on activities are included in this course. Highly recommended for students with an interest in things that are “out-of-this-world.”

Astronomy	◆ Grades 9-12	1 semester	½ credit per semester
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◆ *Preferably taken after completion of Physics A*

This course will study our place in the universe, including: history of astronomy, exploring space, manned space missions, the Earth-Moon system, our solar system, planets and other solar system objects, our sun, stars, galaxies, and the universe. Observation and hands-on activities are included in this course. Highly recommended for students with an interest in things that are “out-of-this-world.”

STEM	◆ Grades 9-12	1 semester	½ credit per semester
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STEM is a project based classroom. Each unit of study explores current advancements in STEM related fields while focusing on a different area of science. Applied mathematical concepts will be needed in every aspect of the course as well. Students must be comfortable with working independently and in groups to complete in-class activities and projects.

Robotics	◆ Grades 9-12	1 semester	½ credit per semester
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The objective of this course is to introduce the student to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of a robot. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots could be programmed to compete in various courses as developed by the FIRST Robotics Competition.

Computer Application & Design I	◆ Grades 9–12	1 semester	½ credit per semester
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This course teaches students to use modern CAD software to produce two-dimensional and three-dimensional drawings for manufacturing applications. It also covers coordinating systems, proper dimensioning, use of sectioning and projections for visualization, symbol libraries, file management, and collaborative techniques. It also demonstrates basic principles of Computer Aided Manufacturing (CAM) to show how 2D CAD designs are converted to Computer Numeric Control (CNC) programs to direct automated machining equipment.

Computer Application & Design II	◆ Grades 9–12	1 semester	½ credit per semester
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◆ *Prerequisite: Computer Application & Design I or Teacher Approval*

This course utilizes training and CAD certifications from Computer Application & Design I to produce project-based work that is student-led.

# Social Studies

## Courses Offered\*

	9	10	11	12
World History A/B	◆			
World History C - World Religions		◆	◆	◆
Civics		◆		
Introduction to Economics		◆		
US History A/B			◆	
AP US History A/B			◆	◆
Government A/B				◆
Michigan History			◆	◆
World Conflicts			◆	◆
Current Events - Contemporary Studies			◆	◆

## Graduation Requirement

Three (3) credits in Social Studies aligned to state Social Studies content standards. Course progression determined by the local school district.

- Ovid-Elsie School Board requires the completion of World History A/B, Civics, Introduction to Economics, and United States History A/B.
- Advanced Placement U.S. History A/B can be substituted for traditional U.S. History A/B.

### World History A/B

◆ Grade 9

2 semesters

½ credit per semester

Required

Study will focus on the cultures and history of specific regions of the world, with a link to the five basic themes: location, place, interaction between people and their environment, movement, and region, which help us understand the connections between people and the Earth.

### World History C - World Religions

◆ Grades 10-12

1 semester

½ credit per semester

This is an introductory course looking at the major religions of the world. Emphasis is placed on Judaism, Christianity, Islam, Hinduism and Buddhism. The course will attempt to describe the religions' beliefs, traditions, philosophy and ceremonies. This course will also include the historical, geographical, political and cultural contributions that these religions have made to the history of the human race. Extensive use of ideas, movies, note taking, and discussion will highlight the class.

### Civics

◆ Grade 10

1 semester

½ credit per semester

Required

This course is the study of the foundations of local, state and federal government, law and political issues and how they relate to us as American citizens. Study will include rights and responsibilities of American citizens including community service work. In addition, contemporary/social issues that relate to the lives of students will be explored.

Introduction to Economics Required	◆ Grade 10	1 semester	½ credit per semester
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This course will study the basic economic systems of the world with emphasis on supply/demand, factors of production, microeconomics, and macroeconomics. Personal finance will be a background theme of the class as well.

US History A/B Required	◆ Grade 11	2 semesters	½ credit per semester
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*Students have a choice between US History A/B or AP US History A/B.*

The course is designed to acquaint the student with our country's history from 1898 to the present. Current events and controversial topics are discussed and their impact or possible impact debated.

AP US History A/B	◆ Grades 11-12	2 semesters	½ credit per semester
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◆ *Prerequisite: Completion of Civics and Intro to Economics and application with instructor approval*

This course focuses on the development of disciplinary practices and reasoning skills and an understanding of our country's history. Content is organized around seven themes (American and National Identity; Politics and Power; Work, Exchange, and Technology; Culture and Society; Migration and Settlement; Geography and the Environment; America in the World.) Time periods covered range from 1491-present. Students that take the class will be eligible to take the AP US History exam to potentially earn college credit. **Students should be aware that they are responsible for the exam fee.**

See [Appendix B](#) for credit transfer equivalencies for Lansing Community College (LCC).

Government	◆ Grade 12	1 semester	½ credit per semester
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◆ *Prerequisite: Completion of required Social Studies courses with a B or above and instructor approval*

This course focuses on the development of disciplinary practices and reasoning skills and an understanding of our country's history. Content is organized around seven themes (American and National Identity; Politics and Power; Work, Exchange, and Technology; Culture and Society; Migration and Settlement; Geography and the Environment; America in the World.) Time periods covered range from 1491-present. Students that take the class will be eligible to take the AP US History exam to potentially earn college credit.

MI History	◆ Grades 11-12	1 semester	½ credit per semester
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In this course, students will work to achieve knowledge of Michigan's history, geography and economics in order to better understand its history and where it will lead into the future. Students will learn about Michigan's origins, Native Americans in Michigan, the economic history of Michigan, social and political issues in Michigan, Michigan's natural resources and environment, and Michigan map locations and tourist attractions. By doing this, students will gain a deeper appreciation of the state in which they live. Students will write papers, take notes, and discuss contemporary issues facing the state.

### World Conflicts

◆ Grades 11-12

1 semester

½ credit per semester

This course will be taking a more in-depth look at conflicts/wars from the 20th and 21st centuries: focusing on World War I, World War II, Cold War, Korean War, Vietnam, Desert Storm and Terrorism in today's society. Students will break down key turning points and examine possible alternate outcomes. Students will gain an understanding of how each country was/is impacted from an economic, political, social, and geographic perspective. Various learning methods from PBL (Project Based Learning) projects, essay, writing, note taking, primary source analysis and documentary analysis will be used.

### Current Events & Contemporary Studies

◆ Grades 11-12

1 semester

½ credit per semester

This course will consist of a comprehensive study of societal problems that our work faces today at the local, state, federal, and international level(s). The goal of this course is for students to examine the social and political issues of the moment and to have an in-depth understanding of and appreciation for current events. The focus of the course will be issues that affect the student as a resident of the world and the United States using news programs, written journalistic pieces, websites, and documentaries as resource material. The class will follow daily news events from a variety of sources and students will be expected to understand the social, political, and economic issues, looking beyond the surface of stories to identify the causes and origins of the issues and present the information for debates and publications.



# World Languages

## Courses Offered\*

	9	10	11	12
Spanish I A/B	◆	◆	◆	◆
Spanish II A/B		◆	◆	◆
Spanish III A/B			◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

## Graduation Requirement

Two (2) credits in a World Language aligned to state World Language content standards; OR formal coursework of a world language 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).

**Two full credits of World Language is recommended for college-bound students.**

**Spanish I A/B** ◆ **Grades 9-12** **2 semesters** **½ credit per semester**  
Required

*It is highly recommended that students take Spanish I A/B in consecutive semesters.*

A course designed to introduce students to the Spanish language and Spanish culture. Upon completion of the course, a student will have obtained: 1) a basic ability to use and recognize grammatical structures; 2) a basic working vocabulary for a number of situations; 3) beginning oral communications skills; 4) general knowledge of Hispanic culture; 5) a solid foundation for future study of the language.

**Spanish II A/B** ◆ **Grades 10-12** **2 semesters** **½ credit per semester**  
Recommended

◆ *Prerequisite: Spanish I with at least a C average or higher*

*It is highly recommended that students take Spanish II A/B in consecutive semesters.*

This course provides additional experience in the use of the Spanish language. After completing this course, a student will be able to read, speak, write, and understand oral exchanges on a novice level.

**Spanish III A/B** ◆ **Grades 11-12** **2 semesters** **½ credit per semester**

◆ *Prerequisite: Spanish I & Spanish II with a B average or higher*

Spanish III is designed for the advanced learner of Spanish who has successfully completed Spanish I and II with at least a 3.0 GPA or higher. Advanced vocabulary structures, grammar, reading and writing will be taught. Speaking and presenting in Spanish will be a primary focus of the assessments in this class. Student's should expect to have daily outside of class study and practice time. Engagement and attendance are critical components for success in this class.

# Support Courses

Courses Offered*	9	10	11	12
LINKS Peer-to-Peer		◆	◆	◆
Academic Center	◆	◆	◆	◆
Math Lab	◆	◆	◆	◆
Remediated Reading	◆	◆	◆	◆
Remediated Math	◆	◆	◆	◆
Remediated Social Skills	◆	◆	◆	◆
Remediated Independent Living	◆	◆	◆	◆
Remediated Current Events	◆	◆	◆	◆
Core Support	◆	◆	◆	◆
Junior Seminar			◆	

\*The diamond (◆) indicates when a course can be taken during high school

**LINKS Peer-to-Peer** ◆ **Grade 10-12** 1 semester ½ credit per semester

◆ *Prerequisite: Application with instructor and administrator approval*

The LINKS - Peer-to-Peer course credit program incorporates applied (experiential) learning in a non-traditional manner. A peer-to-peer program is a strategy for providing ongoing support and modeling from one non-disabled pupil to a pupil with an individualized education program (IEP). It encompasses both the academic and social domains. Benefits are derived by both pupils.

**Academic Center** ◆ **Grades 9-12** 1 semester ½ credit per semester

◆ *Prerequisite: Administrator approval*

Students will be provided support from a teacher in the area of study skills, homework completion, organization, test and quiz preparation, and planning for long-term projects and papers. The course offers many benefits, including allowing help across all subject areas, providing mentoring of students' progress and organization, plus improved communication between students, teachers and parents.

Independent Academic Center is available to Dual Enrollment and Advanced Placement students on a case-by-case basis.

**Math Lab** ◆ **Grades 9-12** 1 semester ½ credit per semester

◆ *Prerequisite: Administrator approval*

This course is designed to support students' current math course with homework, re-teaching opportunities and test preparation. Remediation with Think Through Math (TTM), an online program manned by live math teachers, is designed to elevate students up to and beyond grade level. This course can also provide the opportunity for credit recovery through a series of review sessions, work packets and a comprehensive test for the desired math class.

Remediated Reading	◆ Grades 9-12	1 semester	½ credit per semester
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◆ *Prerequisite: Must be qualified with an IEP*

This course provides reading intervention for students with a focus on accuracy and fluency as a basis for comprehension. Instruction includes word-attack skills, phonemic awareness, sound-symbol identification, sounding out regular and irregular words, and sentence reading. Placement in this course is determined by leveled assessment in conjunction with IEP goals.

Remediated Math	◆ Grades 9-12	1 semester	½ credit per semester
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◆ *Prerequisite: Must be qualified with an IEP*

This course provides instruction in basic mathematical skills and concepts with an emphasis on higher-order thinking and techniques for relating problem solving to real life situations. Skills include whole numbers computations, fractions, measurement, money, time, place value, geometry, estimation and calculator use. Placement in this course is determined by leveled assessment in conjunction with IEP goals.

Remediated Social Skills	◆ Grades 9-12	1 semester	½ credit per semester
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◆ *Prerequisite: Must be qualified with an IEP*

This course provides instruction in adaptive skills in the areas of grooming, hygiene, self-help, mobility, communication, community and personal safety, phone skills, and health. Students will have opportunities to generalize skills learned in this course in a community setting. Students will use verbal and/or augmentative and alternative communication. Learning objectives for this course are individualized and align with IEP goals and objectives.

Remediated Independent Living	◆ Grades 9-12	1 semester	½ credit per semester
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◆ *Prerequisite: Must be qualified with an IEP*

This course of study is designed to provide instruction in functional academic domains: functional reading skills, computer skills, functional writing skills, functional math skills such as time-telling, time management, money management (coins and bills,) calculator skills, and banking and budgeting. The course also allows students to improve and practice social behavior skills in a variety of settings. Students will have opportunities to generalize skills learned in this course and apply them within a community setting. Learning objectives for this course are individualized and align with IEP goals and objectives.

Remediated Current Events	◆ Grades 9-12	1 semester	½ credit per semester
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◆ *Prerequisite: Must be qualified with an IEP*

The goal of this course is for students to become aware of the major issues of the day and to have an in-depth understanding and appreciation of current events. The focus of the class will be issues that affect the student as a resident of the world and the United States. The class will follow daily news events and will be expected to understand the social, political and economic issues on a daily basis. Learning objectives for this course are individualized and align with IEP goals and objectives.

## Core Support

◆ Grades 9-12

1 semester

½ credit per semester

◆ *Prerequisite: Must be qualified with an IEP*

This course is designed to provide students additional assistance with their coursework, projects, quizzes and tests. Students will have access to a teacher along with many other resources to help them keep on track and up-to-date with their studies. The course is an extra hour to master material or complete assignments given in any core or elective area.

## Junior Seminar

◆ Grade 11

1 semester

½ credit per semester

### Required

This course is designed to help students prepare for the rigors of taking the SAT test offered by the College Board. The primary goal is to identify and implement test taking strategies using prerequisite knowledge to increase student performance. After the test is administered in April, students will learn life skills that will benefit them in the future. Topics addressed include resume writing, interview skills, budgeting, loans, insurance, and first aid administration. Exemption from this graduation requirement due to course conflicts may be granted with administrative approval.

# RESA Career & Technical Education (CTE)

## Admission, Selection and Commitment Process for All RESA Programs

RESA CTE programs are only available to 11th and 12th grade students. Students who are interested in one of the programs listed below must complete an online application provided by the corresponding RESA along with the Ovid-Elsie Career & Technical Education Screener during the second semester of the previous school year. Applications are reviewed by administration, the counseling department and RESA staff based on the following criteria (**applications are not a guarantee of admittance**):

- Attendance
- Academic progress towards graduation
- Alignment with the students EDP via Xello
- Transportation
- Behavior/Discipline records

Selections for RESA programs are made and communicated during the spring of the previous school year. During the selection process, students will be assigned placement in an AM or PM section based on availability and course offerings. Please note: students are able to indicate their preference for placement during the application process; should they be selected for a program, their preference is not a guarantee.

If selected for a RESA program, students must complete and submit the Ovid-Elsie Career & Technical Education Contract prior to the end of the previous school year to solidify their commitment and secure their placement. *Failure to do so may result in removal from the program.*

## Clinton County CTE Programs

Programs Offered*	11	12
Agriscience, Food & Natural Resources	◆	◆
Allied Health I	◆	◆
Allied Health II		◆
Auto Services I	◆	◆
Auto Services II		◆
Business Management I	◆	◆
Business Management II		◆
CAD & Design Technology I	◆	◆
CAD & Design Technology II		◆
Computer Networking & Technology I	◆	◆
Computer Networking & Technology II		◆
Construction Trades I	◆	◆
Construction Trades II		◆
Criminal Justice I	◆	◆
Criminal Justice II		◆
Education - Early Childhood I	◆	◆
Education - Early Childhood II		◆

\*The diamond (◆) indicates when a course can be taken during high school

**Programs Continued\***

	11	12
Emergency Services - Fire Science I	◆	◆
Emergency Services - Fire Science II		◆
Sports Medicine I	◆	◆
Sports Medicine II		◆
Video & Audio Production I	◆	◆
Video & Audio Production II		◆
Welding I	◆	◆
Welding II		◆
Work-Based Learning	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

### Agriscience, Food, & Natural Resources ◆ Grades 11-12 2 semesters 1½ credit per semester

◆ Location: St. Johns High School in St. Johns, MI

Students will explore a broad range of AFNR Career Pathways through their weekly coursework and field experiences. They will enjoy abundant opportunities for real-world, occupationally-relevant, hands-on learning and career preparation through this program. Students will learn inside and outside of the classroom through projects, field experiences, supervised agricultural experiences, and internships. Membership in FFA will be required. Please note: this chapter of FFA is not associated with Ovid-Elsie High School.

**Possible careers include:** Agriculture Engineer, Conservation Planner, Landscape Designer, Farmer, Feedlot Manager, Wildlife Manager

### Allied Health Year I & II ◆ Grades 11-12 2 semesters 1½ credit per semester

◆ Location: CCRESA in St. Johns, MI

◆ Direct college credit

◆ Early-Middle College eligible

Students will build a wide range of basic knowledge that can be applied to a variety of careers tied to health care such as learning medical terms, medical ethics, prevention of illness, anatomy of body systems as well as the diseases that affect that system, how food and exercise play a role in health, and a view into insurance. Students will take that knowledge and apply it to health care skills such as taking vital signs, performing CPR & using an AED, basic patient care skills (use of wheelchair, bathing, feeding) and safety precautions.

**Possible careers include:** Registered Nurse, Phlebotomist, CNA, Family Physician, Radiologic Technician.

### Auto Services I & II ◆ Grades 11-12 2 semesters 1½ credit per semester

◆ Location: St. Johns High School in St. Johns, MI

The curriculum covers the topics including, but not limited to: breaks, suspension, electrical, engine performance, engine repair, HVAC, manual and auto transmission and introduction into electric cars. You will have the opportunity to obtain and Automotive Service Excellence (ASE) entry level certifications in 2 years, receiving 8-10 certifications. When you successfully complete the class, the goal is that you can be a better consumer and have the skills necessary in helping automotive technicians.

**Possible careers include:** Service Technician, Auto Technician, Service, Technician, Diesel Mechanic.

Business Management I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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◆ Location: Dewitt High School in Dewitt, MI

This course will introduce students to the world of entrepreneurs and their role in the economy. During the first semester students will combine an online and traditional learning experience with an emphasis on entrepreneurship and starting a business while having work experiences in the class print shop and café, typically alternating one week working in the business and one week online. Along with running two businesses, students will have the opportunity to write a business plan for an innovative idea of their own. Second semester will provide students with a more in-depth work experience in the café and the print shop with an emphasis on business ownership.

**Possible careers include:** Sales Manager, Marketing Manager, Administrative Manager, Human Resources Manager, Public Relations, Entrepreneur.

CAD & Design Technology I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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◆ Location: St. Johns High School in St. Johns, MI

CAD and Design Technology is a program for those interested in designing and creating, drawing, house design, product design, 3D computer graphics and working with your hands and minds. Students will choose between an engineering or architectural pathway which will dictate the types of projects they will complete during the course of this program. You will learn how these disciplines interact in the building of products or buildings and communities. Turn ideas into products using the same design, drafting and 3D modeling as professional architects and engineers.

**Possible careers include:** Drafter/CAD Technician, Engineer, Architect, Landscape Architect, Interior Design, Construction Careers and many more related career opportunities.

Computer Network & Technology I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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◆ Location: CCRESA in St. Johns, MI

◆ Direct college credit

◆ Early-Middle College eligible

The Computer Networking & Technology program is designed to start students on a Cybersecurity Pathway. It provides an in-depth look at Cybersecurity, how computers and networks operate. Overview of Operating Systems and Hardware, Principles of Security, Introduction to Cryptography, Physical Security, Web Security, Malicious Software and Attacks, Vulnerabilities and how to Defend them. You will install, configure, and secure various operating systems. You will also troubleshoot computers and peripherals, using systems tools and other diagnostic software. You will have the opportunity to develop the skills in building, maintaining, and administering modern computer networks.

**Possible careers include:** Computer Support Specialists, Network & Computer Systems Administrators, Information Systems Analyst, Cyber Crime Analyst.

Construction Trades I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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◆ Location: CCRESA in St. Johns, MI (with possible job site locations that vary)

This program will be taught using a combination of learning in a lab setting and learning in the field. Students will become acquainted with all the procedures of building a house. Completing and acquiring permits, foundation work, floor framing, wall building, roof construction, electrical, plumbing, heating and cooling, insulating, drywall, trim, interior and exterior doors and exterior finishes. At the end of the year students will be able to demonstrate proficiency in basic building procedures and practices. Students may have the opportunity to complete a major residential building project.

Construction Trades II course work will expand on first year topics in the lab and in the field. This course may include a major residential building project. Students will be eligible for work-based learning during class time.

**Possible careers include:** Carpenter, Plumber, Electrician, Heating & Cooling, Roofer, Concrete Laborer, Construction Manager, Inspector

Criminal Justice I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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◆ Location: CCRESA in St. Johns, MI

◆ Direct college credit

This program begins with being introduced to the components of the criminal justice system. You will examine corrections, courts, police systems, as well as the history, relationships, administration and philosophy of the criminal justice system. You will learn the importance of community-based corrections services including sentencing alternatives and process, probation, parole and imprisonment. Additionally, you will study the rules of evidence from its history development through the present day. You will learn all of this using real world cases. This course will also include the completion of First Aid training with certification.

**Possible careers include:** Law Enforcement, Security Officer, Bodyguard, Military, Corrections Officer, Lawyer, Court Clerk, Judge.

Education - Early Childhood I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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◆ Location: CCRESA in St. Johns, MI

◆ Direct college credit

◆ Early-Middle College eligible

This program will dive into the development of children from birth through elementary school and provide the groundwork for careers in education and pediatric medicine or therapy. In addition to learning about how children develop, you will learn about guiding children's behavior and communicating effectively with children to assist them in reaching their social, academic, and physiological milestones.

**Possible careers include:** Preschool Teacher, Classroom Assistant, Bus Driver/Aid, Home Visitor, Early Childhood Program Administration.



Emergency Services - Fire Science I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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- ◆ Location: CCRESA in St. Johns, MI
- ◆ Articulated credit with Delta College

Fire and Emergency Services has a proud tradition of serving their communities with selfless dedication. This program is a structured “attention on deck” environment and the training is exciting and meaningful. You will earn 32 industry standard certifications: NIMS/TIMS, Wildland Firefighter II, 1st Aid, CPR/AED, Blood Borne Pathogen, Body Substance Isolation and many more. The program offers reality simulations, scenarios and education- al lessons immediately capturing the students attention, helping to improve training effectiveness and student readiness. We offer online, project-based, hands-on learning and one-to-one interaction, helping you boost your skills and prepare you for a future in Emergency Services. Do you have what it takes to fill these boots?

**Possible careers include:** Firefighter, EMT/Paramedic, National Ski Patrol, Search and Rescue, Fire Inspector, Fire Investigator

Sports Medicine I & II	◆ Grades 11-12	2 semesters	1½ credit per semester
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- ◆ Location: CCRESA in St. Johns, MI
- ◆ Direct college credit

This course is for those wishing to pursue one of the many professions within the field Sports Medicine. Included in this course are components of Kinesiology, Exercise Science, Physical Activity, Injury Prevention, Rehabilitation, Nutrition, and maintaining a Healthy Lifestyle. You will be provided the opportunity to understand and navigate the college/university environment, value of learning, and student responsibilities within the healthcare professions. Also, you will learn about the healthcare culture, interprofessional education, ethical and legal issues, employment opportunities and market demands. All of this while having the opportunity for hands-on experiences and real-world situations. You will be able to participate in job shadowing with local employers getting you ready for your career!

**Possible careers include:** Athletic Trainer, Biomechanist, Coaching, Chiropractor, Cardiac Rehabilitation Specialist, Sports & Exercise Psychologist.

Video & Audio Production I & II	◆ Grades 11-12	2 semesters	1 credit per semester
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◆ Location: Ovid-Elsie High School in Elsie, MI

◆ Articulated credit with Delta College

This program will include extensive hands-on experience in all facets of video production, both in studio and in the field. The class contains a broadcast journalism unit featuring TV newscasts using a professional broadcast TV news set. Video projects include: music videos, short films, commercials, feature packages, and other special projects. The Audio Production component of the course emphasizes the creation of audio projects, including commercials, podcasts, dramatic work, talk shows and music. Audio fundamentals and advanced audio production are covered. You will then learn to integrate video and audio programs into digital media formats. Emphasis will be on taking finished programs and converting them into streaming media for the web.

**Possible careers include:** Multimedia Journalist (MMU), Film Maker, Video Production Company Owner, Digital Media Specialist, Podcaster, Drone Camera Operator, Broadcaster, Voice Over Actor, Professional Announcer, Photographer, Director, Producer, Editor, Writer, Vlogger.

Welding I & II	◆ Grades 11-12	2 semesters	1 credit per semester
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◆ Location: Ovid-Elsie High School in Elsie, MI

◆ Direct College Credit

Clinton County Career Connections welding is the intro to for stick, mig, tig, and cutting processes for metals of all types. Students will learn fabrication and techniques for current industry requirements and job placements. Average pay rate for a two year experienced welder and fabricator are upwards of 50- 100k per year income with 5-10 year experienced welders making upwards of 170k per year. Fabrication and welding industries are in high demand and are increasing. Projects will be assigned and built during the class from the students drawings and blueprints by them. Most students upon completing RESA welding courses have jobs in that field or are aligned with a potential employer during the second year of the welding program. Steel, aluminum, stainless steel, and cast iron are used in the class and are welded with up-to-date welding machines and processes. Advanced students can learn pipeline welding procedures as well and are often at an even higher rate of income and travel as well if employed in the pipeline and boiler making industry.

**Possible careers include:** Construction Welder, Manufacturing Welder, Sheet Metal Workers, Fabrication, Pipe Fitters.

Work-Based Learning	◆ Grades 11-12	Term Varies	Credits Vary
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◆ *Previously called Co-op. Application and CCRESA approval is required and students must have a job placement arranged prior to applying.*

Many skills can be learned in this real world experience that cannot be obtained in a classroom setting. Students are released for up to three hours of the day for an out of school work experience. **(Application does not guarantee admittance.)**

# Eaton County CTE Programs

## Programs Offered\*

	11	12
Animal Science & Zoo Management	◆	◆
Aviation Careers Institute	◆	◆
Game Design & Programming I & II		◆
Heavy Equipment Operation & Repair I & II	◆	◆

\*The diamond (◆) indicates when a course can be taken during high school

**Animal Science & Zoo Management** ◆ Grades 11-12 2 semesters 1½ credit per semester

◆ Location: Potter Park Zoo in Lansing, MI

This program is designed for students who have career interests in agriculture, animal science/zoology, life sciences, veterinary medicine, conservation, environmental education or related fields. This is an in-depth, hands-on learning experience in a real-world setting--Potter Park Zoo. In addition to rigorous classroom work, students will be expected to actively participate in zoo activities and daily animal care. Students must be willing to tolerate working in various weather conditions. Rain jackets are provided.

**Possible careers include:** Veterinary Assistant, Animal Care Associate, Kennel Assistant, Fisheries and Wildlife Assistant.

**Aviation Careers Institute** ◆ Grades 11-12 2 semesters 1½ credit per semester

◆ Location: Capital Region International Airport in Lansing, MI

◆ College credit TBD

This program is designed to give students a firsthand look at the aviation industry, explore career opportunities and begin education and training to become a pilot or other aviation industry professional. teaches students about careers in aviation through classroom lessons and flight simulators that teach the basics of flight, plane management and ground school. Classroom instruction, simulator seat time and all necessary classroom materials for the program will be included as part of the Eaton RESA Aviation Careers Institute program. Students will be connected with flight school partners if they choose to begin flying lessons and work towards earning a pilot's license. If a student chooses to pursue a pilot's license, the flight lessons required to earn it, all flight time and associated costs are the responsibility of the student. Specialized loan program partnerships have been made with MSU Federal Credit Union for students in this program to assist with costs associated with flight lessons. This is intended to be a one year only program.

**Possible careers include:** Pilot, Aviation Mechanic, Air Traffic Controller, Airport Manager/Personnel, Airfield Operation Specialists & Engineers.

## Game Design & Programming I & II

◆ Grades 11-12

2 semesters

1½ credit per semester

- ◆ Location: Davenport University (Lansing Satellite Campus)
- ◆ Direct college credit
- ◆ Early-Middle College eligible

This program introduces students to the game development process from storyboarding the initial concept to the final marketing documentation. During this program, students will utilize multiple game development methodologies to move a project through the major stages of game design with each student assuming one or more of the development team roles. Students will also explore the tools, platforms, and techniques required to develop applications for highly mobile and compact devices. Mobile applications will be designed, developed, tested, and deployed that provide computing services to the mobile user. Throughout this program, students will survey the main component of the business systems cycle. The five phases of the systems development life cycle (SDLC) - systems planning, systems analysis, systems design, systems implementation, and system operation and support - will be investigated.

**Possible careers include:** Software Developer, Game Designer, Computer Programmer, Defense Intelligence Analyst, Computer Systems Analyst, Web Developer.

## Heavy Equipment Operation & Repair I & II

◆ Grades 11-12

2 semesters

1½ credit per semester

- ◆ Location: AIS Construction Equipment Corporation in Lansing, MI
- ◆ Articulated credit by exam with Lansing Community College

This program provides students with an orientation to the heavy equipment safety, equipment maintenance and basic operations techniques. This is a unique opportunity for you to be trained at AIS Construction Equipment Corporation. AIS is one of the premier heavy equipment sales and service dealers in Michigan. Tasks and skills learned will include: diesel engine diagnosis and repair, basic electricity and electronics, fundamentals of hydraulics including tearing down and assembling hydraulic components and cylinders, heavy equipment powertrains, disassembling and reassembling transmission and axle assemblies. All students will be exposed to operation of heavy equipment including excavator, bulldozer, front end loader, backhoe and forklift as it relates to underground construction including grades, below grade construction, and earth moving.

**Possible careers include:** Bus Mechanic, CDL Driver/Truck Driver, Crane and Tower Operator, Farm Equipment Mechanic, Highway Maintenance Worker, Heavy Equipment Operator, Landscape Pipe Layers, Service Technician.

# High School Advantage Dual Enrollment (LCC)

The High School Advantage Program is a partnership between Lansing Community College and Ovid-Elsie Area Schools to provide several dual enrollment course options for students at Ovid-Elsie High School. Under the LCC/OEHS Agreement, courses are taught by LCC instructors. Students are taught with a blended instructional model. Primarily online instruction three lectures scheduled throughout the semester. For qualifying Sophomores, Juniors and Seniors.

## Admission, Selection and Commitment Process for HSA Dual Enrollment Courses

Dual Enrollment is only available for students in 10th, 11th, and 12th grades. Students who are interested in one of the programs listed below must complete and sign a Dual Enrollment Contract provided by Student Services to have their name placed on the rosters for their chosen classes. A student's name will not be added to a roster until a contract has been submitted. Limited seats are available in each course, but a waitlist is kept so students can be moved into a class if a seat becomes available.

After submitting a contract and being placed on a course roster, students will be required to complete an LCC application and then activate their new LCC student account. This step is only taken if they are enrolling in an HSA course for the first time. LCC will evaluate PSAT/SAT/ACT/AP\* scores for each student to determine if they meet the minimum requirements for each course they have selected. Any student that does not have the necessary scores will be able to attempt an Accuplacer test to achieve the required levels for their desired LCC course.

Selections for HSA Dual Enrollment Courses are made and communicated to students by the deadline for each semester: Fall (Semester 1) Deadline: May 1st of previous school year; Spring (Semester 2) Deadline: November 1st of current school year.

Rosters will be reviewed prior to the start of LCC courses to determine if students have completed all of the required steps (*failure to complete any of the following requirements will result in a student being dropped from HSA courses*):

- Signed Dual Enrollment Contract
- Activated LCC Student Account
- Minimum PSAT/SAT Score or Corresponding Accuplacer Score (listed with each course description below with equivalencies in [Appendix A](#) on page 55)

## \*Lansing Community College (LCC) Course Levels

Lansing Community College and their Testing Services determine and review necessary levels to be enrolled in one of their courses. Levels can be met in a variety of ways by using a student's PSAT/SAT score, ACT score, AP score or Accuplacer score. The Accuplacer is a placement test given by LCC. Score equivalents can be found in [Appendix A](#).

## Alternative Dual Enrollment Options

Additional college courses through Lansing Community College are available to students as traditional dual enrollment courses. These will come with an additional cost to the student and will be approved based on attendance, grades, and their educational development plan in Xello. If interested, make an appointment with a member of Student Services.

**Some AP courses are equivalent to LCC Dual Enrollment (DE) courses. See [Appendix B](#) for AP course credit transfer equivalencies for Lansing Community College (LCC) to determine which DE would be beneficial for post-secondary educational plans.**

<b>Programs Offered*</b>	<b>10</b>	<b>11</b>	<b>12</b>
SOCL120 Introduction to Sociology	◆	◆	◆
CHEM125 Basic Chemistry		◆	◆
ENGL121 Composition I		◆	◆
COMM120 Dynamics of Communications	◆	◆	◆
PSYC200 Introduction to Psychology	◆	◆	◆
GEOG221 Physical Geography		◆	◆
HUMS160 Mythology	◆	◆	◆
MATH120 College Algebra			◆

\*The diamond (◆) indicates when a course can be taken during high school

<b>SOCL120</b>	◆ <b>Grades 10-12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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**SOCL 120 - Introduction to Sociology - will count in VPAA section for OEHS**

◆ *Prerequisite: Reading Level 5, Writing Level 6*

A survey of major theoretical perspectives, concepts, and methods of sociology. Emphasis is placed on societal transformation, social organization, culture, cultural diversity, socialization, social stratification, social institutions, and social change within a global context.

<b>CHEM125</b>	◆ <b>Grades 11-12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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**CHEM 125 - Basic Chemistry - will count in Science section for OEHS, does not take the place of Chemistry through OEHS**

◆ *Prerequisite: Reading Level 5, Writing Level 6, Math Level 5*

Intended for students who have not had high school chemistry or who require a refresher course.

Measurement, problem solving, chemical formulas, chemical equations, stoichiometry, atomic structure, chemical bonding, gas laws, solutions, and acids and bases are emphasized.

<b>ENGL121</b>	◆ <b>Grades 11-12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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**ENGL 121 - Composition I - will count in English section for OEHS, does not take the place of English I, II, or III at OEHS**

◆ *Prerequisite: Reading Level 5, Writing Level 6*

Composition I is the study and practice of expository discourse to help students write more effectively. It emphasizes critical thinking, academic source materials, writing processes, content development, structure, style, database research, and documentation.

<b>COMM120</b>	◆ <b>Grades 10-12</b>	<b>1 semester</b>	<b>½ credit per semester</b>
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**COMM120 - Dynamics of Communication**

◆ *Prerequisite: Reading Level 5, Writing Level 6*

This course is a survey of communication theories and concepts related to interpersonal, small group, public speaking, and mass and social media. Students will learn about media and channels used to interact, the influence of technology on those channels, and sociological, psychological, and practical applications of the communication discipline.

**PSYCH200**

◆ Grades 10-12

1 semester

½ credit per semester

**PSYC 200 - Introduction to Psychology - will count in VPAA section for OEHS**◆ *Prerequisite: Reading Level 5, Writing Level 6*

The basic orientation to the field of psychology, designed as a general survey and as preparation for advanced courses in the field. Topics include methods, nervous systems, intelligence, development, learning, memory, personality, abnormality, therapy, and social behavior.

**GEOG221**

◆ Grades 11-12

1 semester

½ credit per semester

**GEOG 221 - Physical Geography - will count in Social Studies section for OEHS, does not take the place of World History, Civics/Econ, or US History at OEHS**◆ *Prerequisite: Reading Level 5, Writing Level 6, Math Level 5*

Emphasizes landforms, flora and fauna, weather and climatic elements, land forms, mass wasting, hydrology, and soils. Offers an extensive study of these forces and phenomena through lecture and laboratory exercises. This study notes the environmental and ecological interrelationships between flora and fauna, and between the physical world and human society.

**HUMS160**

◆ Grades 10-12

1 semester

½ credit per semester

**HUMS 160 - Mythology - will count in VPAA section for OEHS**◆ *Prerequisite: Reading Level 5, Writing Level 6*

Students will analyze a variety of mythological works, in text and other forms, from multiple regions of the world such as Africa, the Americas, Asia, and Europe. The student will apply knowledge of The Hero's Journey and the basic functions of myth to enhance their appreciation of primary sources, individually and culturally.

**MATH120**

◆ Grade 12

1 semester

½ credit per semester

**MATH 120 - College Algebra - will count in Math section for OEHS, does not take the place of Algebra I, Geometry, or Algebra II at OEHS**◆ *Prerequisite: Reading Level 5, Writing Level 6, Math Level 6*

This course is for students who do not intend to take MATH 122 or MATH 151, but may want to continue to MATH 141 or STAT 215. Properties and graphs of linear, quadratic, polynomial, rational, exponential and logarithmic functions, with an emphasis on applications including finance, business/industry, life and social sciences.

# Course Grid

The following grid displays additional credit information for OEHS courses and how they pertain to the Michigan Merit Curriculum (MMC) graduation requirements.

- CTE → Career & Technical Education credits
- Additional English → These courses meet state English Language Arts content standards and can fulfill the fourth English credit requirement per the MMC
- Senior Math → These courses meet state Mathematics content standards and can fulfill the senior math experience credit requirement per the MMC; Courses that meet senior math requirements **MUST** be taken during senior year to fulfill this requirement
- VPAA (Visual, Performing and Applied Arts) → These courses meet state VPAA standards and can fulfill the elective credit requirement per the MMC

Agriculture and Agri-Business				
Course Title	CTE	Additional English	Senior Math	VPAA
Animal Biology A/B	CTE	No	Yes	No
Plant Biology	CTE	No	Yes	No
Advanced Agriculture Biology	CTE	No	Yes	No
Fisheries and Wildlife	CTE	No	Yes	No
Landscaping & Turf Management	CTE	No	Yes	No
Agri-Business Management	CTE	No	Yes	No
Agriculture Leadership	CTE	No	Yes	No

Art				
Course Title	CTE	Additional English	Senior Math	VPAA
Introduction to Art	No	No	No	Yes
Painting	No	No	No	Yes
Drawing	No	No	No	Yes
Mixed Media	No	No	No	Yes
Ceramics	No	No	No	Yes
Advanced Art	No	No	No	Yes
Art Portfolio	No	No	No	Yes



Business				
Course Title	CTE	Additional English	Senior Math	VPAA
Corporate Services I	CTE	No	Yes	No
Corporate Services II	CTE	No	Yes	No
Business Math I	CTE	No	Yes	No
Business Math II	CTE	No	Yes	No
Personal Finance	CTE	No	Yes	No

Health and Physical Education				
Course Title	CTE	Additional English	Senior Math	VPAA
General Physical Education	No	No	No	No
Freshmen Strength & Conditioning	No	No	No	No
Female Strength & Conditioning	No	No	No	No
Strength & Conditioning	No	No	No	No
Advanced Strength & Conditioning	No	No	No	No
Sports & Recreation	No	No	No	No
Techniques of Officiating	No	No	No	No
Athletic Training-Intro to Kinesiology	No	No	No	No
Swimming & Lifeguarding	No	No	No	No
Health	No	No	No	No

Industrial Education				
Course Title	CTE	Additional English	Senior Math	VPAA
Wood Technology I	CTE	No	Yes	Yes
Wood Technology II	CTE	No	Yes	Yes
Wood Technology III	CTE	No	Yes	Yes
Metal Technology I	CTE	No	Yes	Yes
Metal Technology II	CTE	No	Yes	Yes
Residential Building Trades	CTE	No	Yes	Yes

Language Arts				
Course Title	CTE	Additional English	Senior Math	VPAA
English I A/B	No	No	No	No
English II A/B	No	No	No	No
English III A/B	No	No	No	No
AP English Language & Composition A/B	No	Yes	No	No
AP English Literature & Composition A/B	No	Yes	No	No
Creative Writing	No	Yes	No	No
Novels	No	Yes	No	No
Public Speaking	No	Yes	No	Yes
Writing & Film A/B	No	Yes	No	No

Mathematics				
Course Title	CTE	Additional English	Senior Math	VPAA
Pre-Algebra A/B	No	No	No	No
Algebra I A/B	No	No	No	No
Geometry A/B	No	No	No	No
Algebra II A/B	No	No	Yes	No
Pre-Calculus A/B	No	No	Yes	No
AP Calculus A/B	No	No	Yes	No

Media				
Course Title	CTE	Additional English	Senior Math	VPAA
Broadcast Journalism - Radio	No	No	No	Yes
Broadcast Journalism - Television	No	No	No	Yes
Journalism Staff - Design & Photo	No	No	No	Yes
Journalistic Writing I	No	Yes	No	No
Journalistic Writing II	No	Yes	No	No

## Performing Arts

Course Title	CTE	Additional English	Senior Math	VPAA
Band	No	No	No	Yes
Jazz Band	No	No	No	Yes
Music Appreciation	No	No	No	Yes
Choir	No	No	No	Yes
Drama	No	No	No	Yes

## Science

Course Title	CTE	Additional English	Senior Math	VPAA
Biology A/B	No	No	No	No
Advanced Biology	No	No	No	No
Human Physiology	No	No	No	No
AP Biology A/B	No	No	No	No
Chemistry A/B	No	No	No	No
Chemistry C	No	No	No	No
Physics A/B	No	No	No	No
Physics C	No	No	No	No
Astronomy	No	No	No	No
STEM	No	No	No	No
Robotics	No	No	No	No
Computer Application & Design I	No	No	Yes	Yes
Computer Application & Design II	No	No	Yes	Yes

Social Studies				
Course Title	CTE	Additional English	Senior Math	VPAA
World History A/B	No	No	No	No
World History C - World Religions	No	No	No	No
Civics	No	No	No	No
Introduction to Economics	No	No	No	No
US History A/B	No	No	No	No
AP US History A/B	No	No	No	No
Government A/B	No	No	No	No
Michigan History	No	No	No	No
World Conflicts	No	No	No	No
Current Events - Contemporary Studies	No	No	No	No

World Languages				
Course Title	CTE	Additional English	Senior Math	VPAA
Spanish I A/B	No	No	No	No
Spanish II A/B	No	No	No	No
Spanish III A/B	No	No	No	No

Support Courses				
Course Title	CTE	Additional English	Senior Math	VPAA
LINKS Peer-to-Peer	No	No	No	No
Academic Center	No	No	No	No
Math Lab	No	No	Yes	No
Remediated Reading	No	Yes	No	No
Remediated Math	No	No	No	No
Remediated Social Skills	No	No	No	No
Remediated Independent Living	No	No	No	No
Remediated Current Events	No	No	No	No
Core Support	No	No	No	No
Junior Seminar	No	No	No	No

Career & Technical Education				
Course Title	CTE	Additional English	Senior Math	VPAA
Agricultural Science - Food & Natural Resources	CTE	No	Yes	No
Allied Health I	CTE	No	Yes	No
Allied Health II	CTE	No	Yes	No
Auto Services I	CTE	No	Yes	Yes
Auto Services II	CTE	No	Yes	Yes
Business Management I	CTE	No	Yes	No
Business Management II	CTE	No	Yes	No
CAD & Design Technology I	CTE	No	Yes	Yes
CAD & Design Technology II	CTE	No	Yes	Yes
Computer Networking & Technology I	CTE	No	Yes	No
Computer Networking & Technology II	CTE	No	Yes	No
Construction Trades I	CTE	No	Yes	Yes
Construction Trades II	CTE	No	Yes	Yes

Criminal Justice I	CTE	No	Yes	No
Criminal Justice Year II	CTE	No	Yes	No
Education - Early Childhood I	CTE	No	Yes	No
Education - Early Childhood II	CTE	No	Yes	No
Emergency Services - Fire Science I	CTE	No	Yes	No
Emergency Services - Fire Science II	CTE	No	Yes	No
Sports Medicine I	CTE	No	Yes	No
Sports Medicine II	CTE	No	Yes	No
Video & Audio Production I	CTE	No	Yes	Yes
Video & Audio Production II	CTE	No	Yes	Yes
Welding I	CTE	No	Yes	Yes
Welding II	CTE	No	Yes	Yes
Work-Based Learning	CTE	No	Yes	No
Animal Science & Zoo Management	CTE	No	Yes	No
Aviation Careers Institute	CTE	No	Yes	No
Game Design & Programming I	CTE	No	Yes	Yes
Game Design & Programming II	CTE	No	Yes	Yes
Heavy Equipment Operation & Repair I	CTE	No	Yes	No
Heavy Equipment Operation & Repair II	CTE	No	Yes	No

## High School Advantage Dual Enrollment

Course Title	CTE	Additional English	Senior Math	VPAA
SOCL120 - Introduction to Sociology	No	No	No	No
CHEM125 - Basic Chemistry	No	No	Yes	No
ENGL121 - Composition I	No	Yes	No	No
COMM120 - Dynamics of Communication	No	Yes	No	Yes
PSYC200 - Introduction to Psychology	No	No	No	No
GEOG221 - Physical Geography	No	No	No	No
HUMS160 - Mythology	No	No	No	No
MATH120 - College Algebra	No	No	Yes	No

# Appendix A

## Lansing Community College (LCC) Placement Level Equivalency Chart A

This chart provides corresponding placement levels for LCC courses based on achieved SAT/PSAT, ACT and AP Exam scores.

Source	Score	Placement Level
SAT/PSAT	Evidence Based R/W 440-470 Evidence Based R/W 480-570 Evidence Based R/W 580+	Reading Level 4, Writing Level 4 Reading Level 5, Writing Level 6 Reading Level 5, Writing Level 7
	Reading 24+ Writing and Language 25-32 Writing and Language 33+	Reading Level 5 Writing Level 6 Writing Level 7
	Math 400-510 Math 520 Math 550 Math 620 Math 690	Math Level 4 Math Level 5 Math Level 6 Math Level 7 Math Level 9
ACT Reading	11 or Below 12-13 14-15 16-17 18+	No Placement Reading Level 2 Reading Level 3 Reading Level 4 Reading Level 5
ACT English	11 or Below 12 13 14-17 18-26 27+	No Placement Writing Level 2 Writing Level 3 Writing Level 4 Writing Level 6 Writing Level 7
ACT Math	15-19 20-21 22-25 26-28 29+	Math Level 4 Math Level 5 Math Level 6 Math Level 7 Math Level 9
AP Scores	English 3+	Reading Level 5, Writing Level 8



## Lansing Community College (LCC) Placement Level Equivalency Chart B

This chart provides corresponding placement levels for LCC courses based on achieved Accuplacer test scores.

Accuplacer Test	Test Score	Reading Level
Reading	200 225 240 244 253+	1 2 3 4 5*
Accuplacer Test	Test Score	Writing Level
WritePlacer Essay	0 or 1 2 3 4 5+ 6 and Reading $\geq 275$ 7+ and Reading $\geq 275$	1 2 3 4 6* 7 8
Accuplacer Test	Test Score	Math Level
Arithmetic	Any score = MATH 106 245-300	- 3
Quantitative Reasoning, Algebra, and Statistics	225-259 260	4 5
Advanced Algebra and Functions	220 245 260 270	5 6* 7 9

# Appendix B

## Lansing Community College (LCC) AP Course Equivalency Chart

This chart provides corresponding transfer credits achieved based on AP Exam scores at Lansing Community College. This chart only reflects the requirements of LCC; every college and university have different qualifying criteria and credits for AP Exam scores.

Advanced Placement Course	Minimum Granting Exam Score	Semester Credits	LCC Course Equivalencies
Calculus AB	3	4	MATH151
US History	3	6	HIST211, HIST212 (score of 3 = 211, score of 4 = both)
Biology	3	8	BIOL127, BIOL128
English Language & Composition	3	6	ENGL121, ENGL122 (score of 3 = 121, score of 4 = both)
English Literature & Composition	3	6	ENGL121, ENGL122 (score of 3 = 121, score of 4 = both)