



Euclid High School
Course Description Guide
2024-2025

Board of Education

Gabrielle Kelly, Board President
Pamela Turos, Board Vice President
Evan Botzki
Tia Otoo
Selina Wright

Table of Contents

Academic Options and Policies

Euclid Schools Philosophy	2
Euclid High School Mission Statement	2
Nondiscrimination Policy	2
Academic Honesty Policy	3
Policy For Students With Disabilities	4
Graduation Requirements	5
Course Options	10
Grade Level Promotion Credits	11
Accelerated Graduation	11
Grade Scale	12
National Honor Society	12
Senior Awards	12
Merit Roll/Honor Roll/Distinguished Honor Roll	12
Awarding Credit and Final Grade Calculation.....	13
Schedule Change Policy	13
Student Lunch Policy	13
Athletic Eligibility	14
Summer School	15

Description of Course Offerings and Programs

Art Course Offerings	16
Business, Technology, and Career Elective Course Offerings.....	18
English Course Offerings	21
Mathematics Course Offerings	26
Music Course Offerings	29
Physical Education & Health Course Offerings	32
Science Course Offerings	34
Social Studies Course Offerings	37
World Language Course Offerings	40
Career Technical Education (CTE) Program Offerings	42
Junior Training Coordination (JTC) Program Offerings	46

Links to Applications, Forms and Supplemental Documents

[Career Connections Program](#)

[Credit Flex Application](#)

[Edgenuity Course List](#)

CCP Intent to Participate

Physical Education Waiver

Lunch Waiver

Athletic Forms

Schedule Change Request Form

Euclid City Schools Philosophy

We believe that every student has dignity and importance, that every student can learn with appropriate instruction, and that every student has the potential for growth and development towards reasonable citizenship.

Euclid High School Mission Statement

The mission of Euclid High School is to nurture the cognitive, physical, social, and emotional development of its students, by providing high quality curriculum and instruction in a positive learning environment. Our mission is to educate and graduate students with the knowledge, skills, and attitudes necessary to become productive, informed citizens of a diverse society.

Nondiscrimination Policy

The Euclid City School District affirms that no person shall, on the basis of sex, race, color, national origin, handicap, family or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity conducted under its auspices.

Questions for requests for information should be directed to:

Euclid City Schools
Board of Education
651 E. 222nd Street
Euclid, OH 44123
216-261-2900

Academic Honesty Policy

This policy is designed to promote the Euclid City School District's high standards of scholarship and create a safe learning environment. All students of the Euclid City Schools are dedicated to the pursuit of knowledge and are committed to learning. The faculty of Euclid High School are committed to teaching students to become ethical users of information and ideas. This agreement represents the Euclid community's dedication to:

1. Maintaining personal integrity by internalizing and living the Honesty Policy
2. Maintaining the integrity of the learning community by helping others live by the Honesty Policy.

A successful Honesty Policy depends on the mutual confidence and trust among students, teachers, parents, and administrative staff. The responsibilities of each party include the following:

Student Responsibilities: Students are expected to submit authentic, original work that follows the instructions and deadlines set by the teacher. Students who are having difficulty are expected to seek help and ask questions of appropriate sources, such as their teacher, a librarian, etc. Students are to follow the style (MLA, APA, etc.) as directed by their teacher, including citing sources correctly and accurately.

Teacher Responsibilities: Teachers are to provide detailed assignment instructions as well as rubrics and guidelines for the completion of a project or paper, and they will offer clarity regarding the acceptable amount of help from peers or other adults. Teachers are responsible for assisting students who are having difficulty locating, evaluating, and citing information and for assisting students in managing deadlines, formatting, and composing. They may also conference with students as needed.

Parent/Guardian Responsibilities: Parent/Guardian support in the development of their student's ethical development is crucial to a student's long-term success. Parents/Guardians should encourage their students to take advantage of the extra resources available, including study circles, the tutoring offered in school, and teacher conferences. To encourage early intervention, parents/guardians should contact the teacher whenever they suspect that their student is experiencing difficulty in a class. If a student is caught cheating or plagiarizing, parents should keep in mind that this is a learning experience and should help the student accept the consequences of his or her actions.

Plagiarism is defined as:

- Submitting another's ideas or words, in whole or in part, whether intentionally or not, from a print or non-print source, and representing those ideas or words as one's own.
- Paraphrasing another's ideas or words without crediting the source.
- Deliberately and/or consistently submitting papers or projects without proper documentation and/or citations.

Policy For Students With Disabilities

The Euclid City School District believes that all teachers are responsible for all of our students, regardless of label, location, or department.

Teachers gain knowledge through observations, assessments, and families, about their students to provide the best educational placement. By choosing lessons, materials, and learning objectives that will best help each individual grow, teachers are able to maximize growth in all students, ranging from our highest achievers to those who need additional supports for success. This level of individualized instruction allows for the inclusion of nearly all students, in mainstream courses, supported by intervention specialists that co-plan and co-teach with subject areas teachers. We believe that providing professional support to teams, co-planning and co-serving will be essential to effective co-teaching environments in order to improve student achievement. Effective, timely, and proactive communication of data and performance is vital to the achievement of all students.

The Euclid City School District accepts all students, who live within our city limits, and is committed to providing an education for each student within its diverse population. Families and their students will collaborate with case managers, counselors, and administrators to develop a learning plan to meet individual student needs, interests, and post-secondary goals.

The Euclid City School District provides a continuum of special education and related services for students. The Individuals with Disabilities Education Act (IDEA) protects the rights of students with disabilities and the rights of their parents.

For more information on policies for students with disabilities please view our website at <http://www.euclidschools.org>, under the PARENTS tab, and then, STUDENT SERVICES tab.

Graduation Requirements

To graduate from Euclid High School, students must (1) earn a minimum of 20 credits in specified subjects, (2) show competency, and (3) show readiness. Euclid's graduation requirements follow [Ohio's High School Graduation Requirements](#). The table below provides a visual representation of the graduation pathway.

Students Transferring into Euclid High School - Euclid High School will use official transcript documentation from a student's previous school(s)/district(s) to determine the student's plan toward graduation.

Students must meet the requirements for each of the three sections in order to graduate:






First Course Completion	Second Demonstrating Competency	Third Demonstrating Readiness
4 Credits English 4 Credits Math 3 Credits Social Studies 3 Credits Science .5 Credits Physical Education .5 Credits Health 5.5 Credits Additional Electives* (Must include 1 Fine Art Credit) .5 credits of Financial Literacy **	Earn a "competency score" on the Algebra One and ELA II End of Course Test or Two Career-Focused Activities or College Credit Plus or Military Enlistment or ACT or SAT Remediation Free Score*	Earn two (2) Diploma Seals
*students entering 9th grade on or after July 1, 2022 will need 5 elective credits **required for class of 2026 and beyond	*Score must meet specific requirements: ODE ACT and SAT	




Course Completion - Students will satisfy Euclid High School's curriculum requirements by earning 20 credits, with specific units required in each content area (see the chart above). Students will meet with their school counselor annually to review their course plan. Students must receive a passing grade in the course to be awarded credit.

Demonstrating Competency - Students must earn a "competency" score of 684 on both the English II and Algebra I end-of-course tests. In lieu of attaining passing scores on the state tests, students can utilize alternative ways to demonstrate competency. Visit Ohio Department Of Education's website for complete information. [ODE Graduation Requirements](#)

Demonstrating Readiness - Students will demonstrate readiness for their post-high school paths by earning two diploma seals that allow them to demonstrate important foundational and well-rounded academic and technical knowledge, professional skills, and leadership and reasoning skills. Students must earn at least 2 seals for graduation. A minimum of one seal must be a state defined seal. A complete list of seals for graduation are listed below:

State-Defined Diploma Seals

 <p>OhioMeansJobs Readiness Seal</p>	<p>Meet the requirements and criteria established for the readiness seal, including demonstration of work-readiness and professional competencies.</p>
 <p>State Seal of Biliteracy</p>	<p>Meet the requirements and criteria, including proficiency requirements on assessments in a world language and English.</p>
 <p>Industry-Recognized Credential Seal</p>	<p>Earn an approved industry-recognized credential that is aligned to a job considered in demand in this state and its regions.</p>
 <p>College-Ready Seal</p>	<p>Earn remediation-free scores on the ACT or SAT. Please see your school counselor to discuss current remediation free scores.</p>
 <p>Military Enlistment Seal</p>	<p>Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces; or participate in an approved JROTC program.</p>

 <p>Citizenship Seal</p>	<p>A student can choose from the following options to earn this seal:</p> <ol style="list-style-type: none"> 1. Earn a score of proficient or higher on both the American History and American Government end-of-course exams 2. Earn a final course grade that is equivalent to a "B" or higher in both the American History and American Government courses 3. Earn a final course grade that is equivalent to a "B" or higher in appropriate classes taken through the College Credit Plus program
 <p>Science Seal</p>	<p>A student can choose from the following options to earn this seal:</p> <ol style="list-style-type: none"> 1. Earn a score of proficient or higher on the Biology end-of-course exam 2. Earn a final course grade that is equivalent to a "B" or higher in chemistry, physics, or a other physical science course; An advanced biology or other life science course; or an astronomy, physical geology, or other earth or space science course 3. Earn a final course grade that is equivalent to a "B" or higher in appropriate classes taken through the College Credit Plus program
 <p>Honors Diploma Seal</p>	<p>A student can choose from the following options to earn this seal:</p> <ol style="list-style-type: none"> 1. Academic Honors Diploma 2. Career-Tech Honors Diploma 3. STEM Honors Diploma 4. Arts Honors Diploma 5. Social Science and Civic Engagement Honors Diploma



Technology Seal

A student can choose from the following options to earn this seal:

1. Earn a final course grade that is equivalent to a "B" or higher in an appropriate class taken through the College Credit Plus program
2. Complete a course offered through the district or school that meets guidelines developed by the department. (A district or school is not required to offer a course that meets those guidelines.)
3. Complete a CTE course that has been approved for the Technology seal. (Please see the CTE school counselor for more information).

Locally Defined Diploma Seals



Community Service Seal

In order to earn the Community Service, students will participate in 40 hours of service over 4 years at Euclid High School. For students that transfer to Euclid High School in the midst of their high school career, these hours (10 per year) will be prorated based on when a student enters into our school system. For example, if a student enters in their junior year, they would need to earn 20 hours instead of the overall 40 hours.

School counselors will be the gatekeeper of Community Service forms, and will communicate opportunities with students quarterly.



Fine and Performing Arts Seal

Two units (for example "season" or "event" constitutes a unit) of participation in a fine art program (included but not limited to: Studio Art CTE, Concert/Marching Band, VC, Big Show, a School or Community Choir, Upstage, Dance, Theater, Drama, etc).

Students will be responsible for obtaining verification of participation from the adult moderator that is in charge of the program, if it is

	<p>not documented in IC. Students will also need to provide a summary and/or artifacts to verify completion of the community engagement portion of the requirement (picture/program/social media post/award or certificate). This will be submitted to the assigned Counselor.</p> <p>In order to earn the Fine and Performing Arts Seal, students must also participate in a community engagement activity or event during each unit.</p>
<div data-bbox="358 590 483 716" data-label="Image"> </div> <p data-bbox="240 730 613 768">Student Engagement Seal</p>	<p data-bbox="688 583 1416 663">2 units (for example "season" or "year" is a unit) of participation in a student engagement activity.</p> <p data-bbox="688 716 1393 968">Student Engagement school sponsored units include (but are not limited to) the following: Athletics, Student Council, NJROTC, NHS, Junior and Senior Ambassadors, Yearbook Club, Academic Challenge, GSA, Yoga Club, Chinese Club, Spanish Club, Art Club, etc</p> <p data-bbox="688 1020 1409 1188">Students will be responsible for obtaining verification of participation from the adult that is in charge of the school sponsored activity. This will be submitted to the grade level school counselor.</p>

Course Options

College Prep - All courses at Euclid High School are college preparatory unless specified otherwise.

Honors - courses contain more challenging content and demand a higher standard of student achievement. These classes are rigorous and fast-paced. Honors courses have prerequisites and typically students have previously been enrolled in honors courses in the Middle School.

College Credit Plus - (CCP) courses allow qualified students to earn college credit concurrently with high school credit here at Euclid High School. Courses are free of charge as long as the student passes the course. If the student fails a CCP course, the student may be required to pay the per credit hour cost for the course. In the event a student earns a grade lower than a "C" they will not receive CCP credit, but they may still earn Euclid High School credit.

- There are a few ways for Euclid High School students to access the CCP curriculum. Students can remain at EHS and take courses offered by Cuyahoga Community College; or, students may take off campus courses and take classes at area colleges, including: Cleveland State University, Cuyahoga Community College and Lakeland Community College. Students may also access online courses as part of this program.
- Students in the CCP program should review the [CCP Underperforming Rules](#).

Credit Recovery - Self-paced courses are offered for students that need to recover failed credit or missing credit. Seats are limited and priority is given to seniors and juniors. School Counselors will work with students regarding enrollment into Credit Recovery.

Credit Flexibility and Independent Study - Credit Flexibility applies to any alternative coursework, assessment, performance or work experience that demonstrates proficiency and can earn credit that counts towards graduation requirements. In order to qualify for these credits, students must apply for and get administrative approval. Approved credit awarded through this policy will be posted on the student's transcript and counted as required graduation credit in the related subject area or as an elective. The type of credit granted will be determined by the Credit Flex Committee. The student must work with their school counselor to obtain additional information and requirements and to obtain administrative approval. A credit flex option is earning credit through work based learning (WBL). [Credit Flex Application and Guidelines](#)

Career Technical Education (CTE) - Euclid is a member of the Lakeshore Compact Career Technical Compact. Students may apply to a CTE program through the counseling office.

Self-paced Courses - Self-paced courses are offered and used through credit recovery, Panther Academy, Euclid Virtual Learning Academy (EVLA) and other programs throughout Euclid Schools using the District adopted online application, Edgenuity. Please see your counselor for a list of courses offered through the Edgenuity application.

Grade Level Promotion Credits

Cohort 2027 and beyond

<u>Grade Level</u>	<u>Credit Requirements</u>
9th	Promoted from 8th Grade
10th	5 credits
11th	10 credits
12th	15 credits
Graduation	20 credits and graduation requirements met per the ODE.

Cohort 2024-2026

<u>Grade Level</u>	<u>Credit Requirements</u>
9th	Promoted from 8th Grade
10th	4 credits
11th	8.5 credits
12th	13 credits
Graduation	20 credits and graduation requirements met per the ODE.

Accelerated Graduation

Students planning to graduate early from high school must:

1. Submit a written request from parent to counselor.
2. Have a plan confirmed two semesters prior to completion date.
3. Schedule a conference with parents, counselor and assistant principal to finalize the plan.

* Students must meet with their school counselor and administrator prior to the end of their sophomore year to determine eligibility.

Grade Scale

<u>Letter Grade</u>	<u>Percentage</u>	<u>GPA Value</u>
A	93%-100%	4.00
A-	90%-92%	3.67
B+	87%-89%	3.33
B	83%-86%	3.00
B-	80%-82%	2.67
C+	77%-79%	2.33
C	73%-76%	2.00
C-	70%-72%	1.67
D+	67%-69%	1.33
D	63%-66%	1.00
D-	60%-62%	0.67
F	0%-59%	0.00

National Honor Society

The National Honor Society (NHS) is the nation's premier organization established to recognize outstanding high school students. More than just an honor roll, NHS serves to honor those students who have demonstrated excellence in the areas of scholarship, leadership, service, and character. Qualifying juniors and seniors are informed at the beginning of second semester and are invited to apply for membership. Inductions take place in spring each year. Students must complete the application process and meet the GPA requirements in order to be considered.

Senior Awards

Each May we host a Senior Awards Breakfast to celebrate our college-bound seniors who have received scholarships and earn academic excellence. At this ceremony, students who have received local money scholarships are announced and acknowledged. Students must complete an application to be considered for local money awards. This application is available on the district website in the spring of each year. Seniors should see their school counselor for assistance with this process.

Merit Roll/Honor Roll/Distinguished Honor Roll

Students receiving the following GPA during each term, will receive the appropriate scholar reward certificate:

- Merit Roll: 3.0 - 3.49
- Honor Roll: 3.5 - 3.99
- Distinguished Honor Roll: 4.0+

Awarding Credit and Final Grade Calculation

Credit will be granted on a semester basis. A one credit course will reflect .50 credits earned each semester. The two separate final grades will not be averaged together. Half credit courses will reflect the .50 credits earned in the semester the course was taken. Students failing a semester of a required year-long course must retake and pass that semester in order to meet graduation requirements. This may be accomplished through credit recovery, summer school or flexible credit.

- Final semester grades for non-Edgenuity in-person courses will be an average of the two quarter grades in the semester using quality points.
- Final semester grades for self-paced courses will equal the last quarter grade of the semester. The first and third quarter grade will reflect the student's performance at that time the quarter ends. The two quarter grades will not be averaged for the semester final grade. *Enrolling in a self-paced course may impact high school and collegiate athletic eligibility. Please see your counselor for more information.

Schedule Change Policy

As the master schedule, staffing needs, and ordering of textbooks and supplies for the next school year are based upon the course selections made by students during the spring, it is critical that these choices be made with great consideration. Every effort will be made to ensure that students are enrolled in the courses they select. If a student cannot be placed into a requested course due to scheduling constraints, the student will be placed into an alternative course. These changes will be communicated to the student.

- No schedule changes will be made after August 23rd of the 2024-2025 school year*.
- A schedule change that is made after August 25th will require a meeting with the student's school counselor and will require administrative approval. Dropping a class after August 25th, may result in a failing grade for the semester in that course.

*Career Technical Education (CTE) and College Credit Plus (CCP) courses have separate schedule change policies. Please see your counselor for additional details.

Any questions about schedule changes should be addressed to the appropriate school counselor.

Student Lunch Policy

All students must be scheduled for lunch period unless a lunch waiver form is completed and signed by the student, parent/guardian, and principal.

Athletic Eligibility

All student athletes that are in season will have their grades monitored. We want to ensure that all coaches understand the academic standing of each athlete in their program. We also want to give coaches time to reflect these findings with their athletes.

In order to compete, Euclid High School requires a student to earn a 2.0 minimum GPA, bi-weekly. If a student falls under the 2.0 threshold, they lose their eligibility and cannot participate in any event that pertains to competition. Eligibility can be regained by earning a 2.0 or above.

The Ohio High School Athletic Association (OHSAA) requires student athletes to pass a minimum of five half credit courses in the grading period preceding and during the season of a student's participation in school sponsored athletics. In addition to this requirement, Euclid High School requires a student to earn a minimum GPA.

The following rules have been put into place and relate to student extracurricular activities:

- Athletes cannot take an "Independent Study" course from a teacher who also coaches the sport in which the athlete intends to participate.
- A student on expulsion or suspension may not attend or participate in any extracurricular activity.
- Attendance, Illness, and Suspension Procedures: Students involved in extracurricular activities must report to school for at least half a school day to be eligible to participate in an event that day. Friday attendance count for Saturday and Sunday.
- When a student is suspended out of school, his/her suspension is officially completed at 2:15 pm on the last day of the suspension.
- The sponsor or coach may assign additional consequences to the student/athlete as long as rules are in writing, signed by the student/athlete and the parent/guardian.
- A student who violated school rules or regulations as a participant at an activity may be consequence accordingly:
 - ❑ Removed from the activity and school property.
 - ❑ Assigned conditions which may modify or restrict participation in any future activity.
 - ❑ Denied participation in any activity.
 - ❑ Assigned consequences by administration.

National Collegiate Athletic Association (NCAA) and National Association of Intercollegiate Athletics (NAIA) Eligibility

Students will need to see their school counselor and the Euclid High School Athletic Department if they have any intention of participating in college athletics.

Summer School

Summer School is offered each year through the Euclid City Schools. Students that have failed a course during the school year, who wish to recover the credit, can do so through our summer school program. The cost for summer school will be determined yearly.

Euclid High School Course Offerings and Programs

Art Course Offerings

Course: Art Appreciation - Cultural
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

Art Appreciation is for students who need an art credit, but do not intend to take additional art courses or pursue an art-related career. Art Appreciation introduces students to basic art techniques. Students will also learn about art in a variety of cultures throughout the world and create artwork based on these cultures. The focus of this course is to show students how art relates to them in their everyday lives. This course focuses on African, Egyptian, Aboriginal, Cave Drawing, Tribal, and Street art.

Course: Art Appreciation - Modern Contemporary
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

Art Appreciation is for students who need an art credit, but do not intend to take additional art courses or pursue an art-related career. Art Appreciation introduces students to basic art techniques. Students will also learn about art in a variety of cultures throughout the world and create artwork based on these cultures. The focus of this course is to show students how art relates to them in their everyday lives. This course focuses on Contemporary, painting, weaving, and Modern art.

Course: Art 1
Credit: 1.00
Credit Type: Fine Art
Prerequisite: None

Art 1 is the first in a series of art courses intended for students interested in art and in taking additional art courses to prepare for college and/or an art career in the future. Art 1 provides a solid foundation focusing on the art elements and principles to develop visual literacy and will help students create high quality artwork. It also introduces students to a variety of art media and techniques to prepare them for future art courses. Students will also learn about art history and create projects inspired by accomplished artists.

Course: Art 2
Credit: 1.00
Credit Type: Fine Art
Prerequisite: Successful completion of Art 1

Art 2 is the second course in the EHS art track intended for students who are interested in further developing their artistic skills. Art 2 focuses on skills and techniques in order to draw realistically from life and from photo references. Students will learn to express themselves through a variety of 2-dimensional drawing media. Drawing units include a variety of subject matter such as still life, portrait, landscape and figure. This course focuses on the ability of students to evaluate quality within their own work in order to continually challenge themselves to improve.

Course: Art 3
Credit: 1.00
Credit Type: Fine Art
Prerequisite: Successful completion of Art 2

Art 3 is the third course in the EHS art track intended for the serious art student. This course reinforces design, drawing and painting skills and introduces students to sculpture and special topics such as printmaking, collage, ceramics and mixed media. Students will utilize problem-solving skills and their knowledge of the art elements and principles to produce meaningful, quality artwork. Students will develop the ability to articulate the intention and meaning behind their work and be able to defend their design decisions.

Course: Art 4
Credit: 1.00
Credit Type: Fine Art
Prerequisite: Successful completion of Art 3

Art 4 is the fourth course in the EHS art track intended for the highly motivated student who is seriously interested in the study of art and has a desire to develop mastery in the concept, composition and execution of their ideas. This is an intense and often self-directed program in which students will create a body of work and write an artist's statement explaining their concepts and how they communicated those concepts visually. Students will work to create a body of work and will learn to write an artist's statement explaining the concepts behind their artwork.

Course: Crafts - American
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

Crafts - American is a semester-long project-based class that attracts the kinesthetic learner who learns best by participating in hands-on activities. Students will be involved in the creative process, with an emphasis on learning artistic techniques by physically doing the techniques. Students will work with tactile materials such as clay, textiles, yarn, mosaic, wood, paper mache and other materials associated with hand-building. Students will not only benefit physically from employing the technical aspects of making objects, but will also benefit students intellectually, socially and emotionally by learning the creative and expressive aspects of art-making and by working collaboratively with their peers on specific projects. This course focuses on American Crafts.

Course: Crafts - World
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

Crafts - World is a semester-long project-based class that attracts the kinesthetic learner who learns best by participating in hands-on activities. Students will be involved in the creative process, with an emphasis on learning artistic techniques by physically doing the techniques. Students will work with tactile materials such as clay, textiles, yarn, mosaic, wood, paper mache and other materials associated with hand-building. Students will not only benefit physically from employing the technical aspects of making objects, but will also benefit students intellectually, socially and emotionally by learning the creative and expressive aspects of art-making and by working collaboratively with their peers on specific projects. This course focuses on World Crafts.

Course: Photography
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

The Photography course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition . Students will be introduced to the history of photography and basic camera functions . Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs. Topics include camera functions, mechanics of image capture, image manipulation, and print production. Students shoot photographs in various studio and indoor and outdoor settings.

Business, Technology, and Career Electives Course Offerings

Course: Advanced Placement Computer Science Principles
Credit: 1.00
Course Type: Elective
Prerequisite: None



AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

Course: Business and Entrepreneurship
Credit: 0.50
Course Type: Elective
Prerequisite: None

Business and Entrepreneurship is designed to introduce students to the fundamental concepts of business, marketing, finance, and entrepreneurship. Students will develop essential skills and knowledge to understand the dynamics of the business world and explore pathways to entrepreneurship. The course will culminate in a capstone project where students will apply their learning to develop a business plan.

Course: Graphic Design
Credit: 0.50
Credit Type: Elective
Prerequisite: None



Graphic Design is a comprehensive course designed to introduce high school students to the fundamentals of graphic design and its applications in various industries. Students will explore the principles of design, typography, color theory, and layout composition. The course will also provide insights into potential career paths in graphic design and familiarize students with industry-standard software such as Adobe Photoshop. By the end of the course, students will have acquired essential skills in graphic design principles and proficiency in Adobe Photoshop, preparing them for further study or potential careers in the field of graphic design.

Course: Introduction to Coding
Credit: 0.50
Credit Type: Elective
Prerequisite: None



This is an introductory computer science course that empowers students to build their coding skills in web development, games and animation, and creating apps for devices. Students create authentic artifacts and engage with computer science as a medium for creativity, communication, and problem-solving.

Course: Introduction to Technology and STEM
Credit: 1.00
Credit Type: Elective
Prerequisite: None



The Introduction to Technology and STEM course offers students a comprehensive exploration of technology and STEM (Science, Technology, Engineering, and Mathematics) fields. Through hands-on projects and engaging activities, students will explore 3D modeling, digital sculpting, video editing, and Google Workspace Business Apps. They will also learn graphic design principles, explore web page design, digital audio production and an introduction to coding fundamentals.

Course: Advanced Technology and STEM
Credit: 1.00
Credit Type: Elective
Prerequisite: None



Building upon the foundation of the Introduction to Technology and STEM course, the Advanced Technology and STEM course offers students an opportunity to deepen their understanding and skills in various areas of technology and STEM fields. Through advanced projects and innovative activities, students will further develop their proficiency in 3D modeling, digital sculpting, video editing and Google Workspace Business Apps. They will also explore advanced graphic design techniques, delve deeper into webpage design and development, and refine their skills in digital audio production. Additionally, students will expand their knowledge through more complex coding challenges and projects, and the principles of 3D printing.

Course: Financial Literacy
Credit: 0.50
Course Type: Elective
Prerequisite: None

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence. Units within this course include: banking, investing, types of credit, managing credit, insurance, taxes, budgeting, and consumer skills.

Course: Freshman Seminar
Credit: 0.50
Credit Type: Elective
Prerequisite: None

Freshman Seminar is a course designed to provide support for students as incoming freshmen and assist with the transition into high school. The course will cover study and organizational skills, reviewing academic grades, career exploration, monitor progress of students, leadership and provide other types of programming for academic, social and emotional well being. The course will expose students to "soft skills" that are necessary to have in order to compete for a job in the 21st Century. Students will study and research jobs that require no formal college education as well as occupations that do. The class will spend time introducing the "R Factor" responses that are being reinforced throughout our school.

Course: Naval Science 1
Credit: 1.00
Credit Type: Elective
Prerequisite: None



Naval Science 1 introduces students to citizenship, the elements of leadership, career planning, Naval Ships, Naval Mission and Organization, and the value of planning to attain life goals. Develop in each cadet a growing sense of honor, courage and commitment in their organization by Wearing and Caring for the NJROTC uniform. Instill discipline and teamwork by performing Military Drill and Color guard. These elements are pursued at the fundamental level.

Course: Naval Science 2
Credit: 1.00
Credit Type: Elective
Prerequisite: Naval Science 1



Naval Science 2 builds on the general introduction provided in Naval Science 1, and to further develop the traits of citizenship and leadership. Introduce cadets to the technical areas of naval science and the role of the U. S. Navy in maritime history and the vital importance of the world's oceans to the continued well-being of the United States.

Course: Naval Science 3
Credit: 1.00
Credit Type: Elective
Prerequisite: Naval Science 2



Naval Science 3 broadens the understanding of students in the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, and the importance of sea power and national security. Students gain a more in-depth knowledge of Naval ships and aircraft and an introduction to marine navigation and seamanship.

Course: Naval Science 4
Credit: 1.00
Credit Type: Elective
Prerequisite: Naval Science 3



Naval Science 4 focuses primarily on practical leadership techniques and implementation. The intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership, under supervision, then helping them analyze the reasons for their varying degrees of success throughout the year. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets. Seniors are mentored/guided in their preparation for life after high school to include college preparation, scholarship applications, and the variety of choices that are available to them.

English Course Offerings

Course: Freshman English
Credit: 1.00
Credit Type: English
Prerequisite: None

Freshmen English is designed to solidify students' foundational reading and writing skills. Students will read fiction and nonfiction pieces, study elements of short stories, classic mythology and poetry. Students will be introduced to Shakespearean drama and will complete a novel study. The course will focus on developing writing skills through weekly grammar

instruction and be given support to organize a thesis-driven, five-paragraph essay. The structure of the formal essay will be practiced in various forms, including expository, persuasive, and research-based. This course aligns to the College and Career Readiness Anchor standards and Ohio's new learning standards for English Language Arts.

Course: Freshman Honors English
Credit: 1.00
Credit Type: English
Prerequisite: Teacher Recommendation

Freshmen Honors English is a college preparatory class that extends upon the English 1 curriculum with additional readings and sophisticated content. The class features a variety of literature focused around the themes of "Loss of Innocence" and "Coming of Age." In addition, students will adapt critical thinking skills to writing, reading, and analysis. The entirety of the curriculum is designed so that students excel on standardized tests and in future honors classes.

Course: Sophomore English
Credit: 1.00
Credit Type: English
Prerequisite: Freshman English

Sophomore English is designed to continue the foundational reading and writing skills begun in ninth grade. Students will read fiction (drama, novels, and poetry) and nonfiction. Students will continue practicing their writing skills, with an emphasis on thesis writing and the 5-paragraph essay (expository and persuasive); grammar study will occur weekly. Vocabulary lessons will include both literature-based and words-in-context to improve informational reading skills. This course aligns with Ohio's learning standards for Language Arts.

Course: Sophomore Honors English
Credit: 1.00
Credit Type: English
Prerequisite: Freshman Honors English or teacher recommendation

Sophomore Honors English is an accelerated course built on reading and writing skills learned in ninth grade. Students will read and analyze fiction (drama, novels and poetry) and non-fiction. An emphasis will be on appreciating literature and evaluating writers' techniques. Students will continue to develop writing skills by crafting literary, persuasive, and expository essays. Vocabulary lessons will include both literature-based and words in context to improve reading skills. This course aligns with Ohio's learning standards for Language Arts and summer reading is required.

Course: Junior English
Credit: 1.00
Credit Type: English
Prerequisite: Sophomore English

Junior English is a college and workforce preparatory class that is designed to strengthen students' reading and writing skills. Students will read fiction and nonfiction works, and study the elements of drama, poetry, oral traditions, and novels. Students will also develop their writing skills through consistent emphasis on the writing process and the thesis statement. The formal essay will be practiced in the forms of a compare and contrast, narrative, expository, persuasive, and research essays. Literature-driven vocabulary lessons, as well as weekly grammar practice will be included. This course aligns to Ohio's learning standards for English Language Arts.

Course: Junior Honors English
Credit: 1.00
Credit Type: English
Prerequisite: Sophomore Honors English or teacher recommendation

Junior Honors English is a survey of American literature in which students read and closely analyze and write about literary works beyond the scope of the college preparatory English class. Extensive practice in essays of literary analysis and the use of language is given, along with required summer reading.

Course: Senior English
Credit: 1.00
Credit Type: English
Prerequisite: Junior English

Senior English encompasses both composition and literary analysis for college and career readiness. Students will develop writing skills throughout various types of essay assignments in the first semester, utilizing grammar practice and vocabulary building as well as the writing and revision process. The course focus shifts to literary analysis second semester with an emphasis on novel and drama study; maintaining writing projects as elements of analysis. This course will prepare students for effective written and oral communication beyond graduation.

Course: Reading Essentials
Credit: 1.00
Credit Type: Elective
Prerequisite: Recommendation

Reading Essentials is designed to strengthen students' reading and vocabulary skills by effectively measuring their comprehension and vocabulary levels and reading rate. Nonfiction texts in the form of short stories, articles, essays, and other pieces of text are used. Fiction is introduced from an assortment of novels. Various assessments are assigned so students can practice reading and carefully answer questions about important information they can remember. Students will gain exposure to words and master what words mean, listen to how words are pronounced, and see these words in stories and articles presented in class. This course encourages reading growth to meet Ohio's learning standards for English language arts.

Course: ENG1010 College Composition I
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP English
Prerequisite: Grades 10-12 GPA 3.0 or higher; grades 7-9 TRI-C placement test

ENG1010 is the study and practice of persuasive and argumentative writing with emphasis on analysis and research. It involves the reading and interpretation of selected texts. The course may be thematically organized.

Course: ENG1020 College Composition II
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP English
Prerequisite: C or better in ENG1010

ENG1020 is the study and practice of persuasive and argumentative writing with emphasis on analysis and research. It involves the reading and interpretation of selected texts. The course may be thematically organized.

Course: ENG2510 African-American Literature I
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP English
Prerequisite: C or better in ENG1020

ENG2510 is the study of the sociopolitical, cultural, and religious influences of the major works of African Americans from the colonial period to 1940.

Course: ENG2520 African-American Literature II
Credit: 1.00 HS credit; college 3 semester hours
Credit Type: CCP English
Prerequisite: C or better in ENG2510

ENG2520 is the study of the sociopolitical, cultural, and religious influences of the major works of African Americans from 1940 to present.

Course: Communications
Credit: 0.50
Credit Type: Elective
Prerequisite: Freshman English

This course gives students practice in communication skills of reading, writing, listening, and speaking in their chosen careers. Students learn to deliver presentations and speeches that effectively convey information and persuade or entertain audiences. Instruction centers on the Communication: Oral and Visual Standard in Ohio's Learning Standards for English Language Arts. *Students will be required to give oral presentations*

Course: Creative Writing
Credit: 0.50
Credit Type: Elective

Prerequisite: Freshman English

Creative Writing will help students to develop their imaginative and expository writing skills. Active participation in individual writing as well as peer and teacher writing conferences is required. This semester-long course focuses on writing in a variety of genres. The purpose of this class is to encourage the student to cultivate the habits, attitudes and flexibility of a professional writer in a professional writing community.

Course: Children's Literature
Credit: 0.50
Credit Type: Elective
Prerequisite: Freshman English

This course is a survey of children's literature. You will be introduced to authors and texts that have defined the field of children's literature. You will discuss children's books and write about how children's literature shapes and reflects cultural ideas about children and childhood. Students will develop knowledge of children's books and children's authors and illustrators. Students will analyze contemporary issues in the field of children's literature and demonstrate this knowledge in discussions, presentations, papers, and projects.

Course: Graphic Novel Studies
Credit: 0.50
Course Type: Elective
Prerequisite: Sophomore English

Graphic Novels Studies is a one semester course designed to introduce, expand, and elaborate on the multimodal world of Graphic Novels to the students of EHS. Graphic Novels are an increasingly growing genre of fiction and nonfiction that holds a high interest value for students. This class means to show students the power and relevance of sequential art by reading, analyzing, and writing about comics. Students will learn new visual and media literacy skills, develop analytical and creative writing skills, research the history and development of Graphic Novels, understand the formal techniques and structure of Graphic Novels, and work individually and/or collaboratively to create their own visual stories. Students will view comics as literature as they explore various themes that may include heroism, justice, personal responsibility, cultural values, and disillusionment.

Course: Film and Media
Credit: 1.00
Credit Type: Elective
Prerequisite: Sophomore English

Film and Media allows students to gain media literacy through the examination of film history, propaganda techniques, film reviews, and the effect of the market economy on media and film production. Additionally, students will engage in projects that utilize digital technology in film creation and film analysis. The course culminates with the production of a short film by the students.

Mathematics Course Offerings

Course: Algebra 1
Credit: 1.00
Credit Type: Mathematics
Prerequisite: None

Algebra 1 provides the essential foundation of algebraic skills such as: operations with rational, irrational and real numbers; simplifying expressions; and interpreting linear models. Students study solving and graphing equations and systems of equations; linear, exponential and quadratic functions; and descriptive statistics. Students should be prepared to continue on to Geometry, Algebra 2 and Trigonometry with the successful completion of the content of this course.

Course: Mathematical Models and Applications
Credit: 1.00
Credit Type: Mathematics
Prerequisite: Algebra 1

Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real- world phenomena students may encounter daily, such as finance and exponential models. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-world application of useful mathematical concepts. Additionally, students are introduced to topics in probability, statistics and Geometry in order to provide the foundation needed for Geometry and Algebra 2. The students study topics that include linear functions, systems of equations, polynomial, quadratic, exponential, logarithmic, rational and radical functions to model real world application.

Course: Geometry
Credit: 1.00
Credit Type: Mathematics
Prerequisite: Algebra 1

Geometry integrates the study of plane and solid geometry with algebraic concepts. Students will utilize thinking and reasoning skills as they complete proofs and justify their reasoning in problem solving. Units of study include: Basics of Geometry; Transformations; Congruence; Properties of Quadrilaterals; Similarity; Right Triangle Trigonometry; Circles; Coordinate Geometry; Volume and Probability.

Course: Honors Geometry
Credit: 1.00
Credit Type: Mathematics
Prerequisite: Algebra 1 in 8th grade

Honors Geometry integrates the study of plane and solid geometry with algebraic concepts. Students will utilize thinking and reasoning skills as they complete proofs and justify their

reasoning in problem solving. Units of study include: Basics of Geometry; Transformations; Congruence; Properties of Quadrilaterals; Similarity; Right Triangle Trigonometry; Circles; Coordinate Geometry; Volume and Probability.

Course: Algebra 2
Credit: 1.00
Credit Type: Mathematics - Algebra 2 or Equivalent
Prerequisite: Algebra 1

Algebra 2 continues to build on the topics explored in Algebra 1. This course covers algebraic, trigonometric and statistics units. Algebraic topics: quadratic, polynomial, exponential, logarithmic, rational and radical functions, sequences and series. Trigonometric topics: radian measure, the unit circle and basic trigonometric identities. Statistics topics: central tendency, normal distributions and probability.

Course: Honors Algebra 2
Credit: 1.00
Credit Type: Mathematics - Algebra 2 or Equivalent
Prerequisite: Honors Algebra 1 and/or Honors Geometry with a C or better.

Honors Algebra 2 continues to expand on the topics explored in Algebra 1 and allows for further development. This course covers algebraic, trigonometric and statistics units. Algebraic topics: quadratic, polynomial, exponential, logarithmic, rational and radical functions, sequences and series. Trigonometric topics: radian measure, the unit circle and basic trigonometric identities. Statistics topics: central tendency, normal distributions and probability.

Course: Advanced Quantitative Reasoning (AQR)
Credit: 1.00
Credit Type: Mathematics - Algebra 2 or Equivalent
Prerequisite: Algebra 1 and Geometry

Advanced Quantitative Reasoning or Mathematical Modeling and Reasoning is a Algebra Two equivalent course designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. It is a yearlong course taught using student-centered pedagogy. Quantitative Reasoning is the application of mathematics skills to analyze and interpret quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions, and communication.

Course: Probability and Statistics
Credit: 1.00
Credit Type: Mathematics - Algebra 2 or Equivalent
Prerequisite: Algebra 1 and Geometry

Probability and Statistics (Algebra Two Equivalent) is a high school course focused on essential mathematical tools for data analysis and decision-making. Throughout the course, students will

explore fundamental concepts in probability theory and statistical analysis, including discrete and continuous probability distributions, statistical inference, regression analysis, experimental design, and probability models. Aligned with Ohio standards, the course covers probability theory, statistical analysis, regression, experimental design, and real-world modeling. Students engage in hands-on activities to develop critical thinking skills and apply mathematical concepts to various fields. Upon completion, students will be proficient in data interpretation and equipped to make informed decisions in diverse contexts.

Course: Trigonometry
Credit: 1.00
Credit Type: Mathematics
Prerequisite: Algebra 2

Trigonometry is designed to be taken after successful completion of Algebra 2 and prior to enrolling in Pre-Calculus. The topics covered in the algebra portion of the course include: polynomial, exponential and logarithmic functions, absolute value and polynomial equations and inequalities and functions. The Trigonometry portion of the course includes: trigonometric functions, equations, graphs, identities and triangle trigonometry involving both right and oblique triangles. The statistics portion of the course includes an introduction to descriptive and inferential statistics.

Course: MATH 1240 - Contemporary Mathematics
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Mathematics
Prerequisite: Placement

Applications of mathematics in contemporary life. Introduction to financial literacy, dimensional analysis as applied to measurement and unit conversions, graph theory, topics in probability and descriptive statistics.

Course: MATH 1410 - Elementary Probability and Statistics I
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Mathematics
Prerequisite: MATH 1240 or Placement

First of two-semester introductory sequence in probability and statistics. Intended for students majoring in liberal arts, business, sciences, engineering, and education. Includes study of descriptive statistics, elementary probability, probability distributions, normal distribution, binomial distribution, sampling concepts, sampling distribution of sample mean, estimation, and hypothesis testing.

Course: MATH 1530 - College Algebra
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Mathematics
Prerequisite: Placement

Topics include extensive function (linear, quadratic, polynomial, radical, roots, power, piece-wise, exponential, logarithmic) representation including verbal, numeric, graphic, and

algebraic, identifying properties of the different function types, transformation of functions, solve linear, polynomial, rational, absolute value, exponential and logarithmic equations. Solve quadratic, polynomial and rational inequalities in one variable. Determine and graph conic sections, solve non-linear systems of equations and inequalities and solve systems of equations using matrices. Includes applications and activities to build skills in problem solving.

Course: MATH 1540 - Trigonometry
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Mathematics
Prerequisite: MATH 1530 or Placement

This course is part of a two semester sequence. Topics include trigonometric functions and their values for all angles, vectors and oblique triangles, graphs of trigonometric functions, trigonometric identities and equations. Applications and activities to build skills in problem solving included.

Course: MATH 1610 - Calculus I
Credit: 1.00 HS and 5 semester hours
Credit Type: CCP Mathematics
Prerequisite: MATH 1540 or Placement

First of a three-semester sequence designed for math, science, economics, and engineering majors. Includes an in-depth study and the articulation of the behavior of functions and their associated graphs. This study includes but is not limited to finite and infinite limits, continuity, differentiation and antidifferentiation of algebraic, trigonometric, logarithmic, exponential, and inverse trigonometric functions. Students will apply these concepts toward situational goals.

Music Course Offerings

Course: Band
Credit: 1.00
Credit Type: Fine Art
Prerequisite: Participation in Middle School Band or by Audition/Interview

This course is designed to give band students an enriching and diverse instrumental music education. It is available to students grades 9-12. This class provides a number of performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of a band instrument. Each student is expected to show technical and musical growth throughout this course. Students transferring into Euclid from other districts are required to audition/interview with the director. Similarly, students within the Euclid district who have not participated in the band program are also required to audition/interview with the director. Concert attendance is mandatory.

Course: String Orchestra
Credit: 1.00
Credit Type: Fine Art
Prerequisite: None

String Orchestra is designed for students who have experience playing the violin, viola, cello, or bass. Students will develop advanced techniques that are pursued through the study of music ranging from Early Baroque through contemporary and popular styles. Students will perform a varied repertoire at concerts and special events throughout the school year. Concert attendance is mandatory.

Course: Choral Masters
Credit: 1.00
Credit Type: Fine Art
Prerequisite: Audition

The Choral program offers students of varying levels of interest and talent the opportunity to participate in Choral Masters through large and small ensembles and solo activities. Students are encouraged to develop their own musical abilities. Various styles of choral music are studied and performed. Students' vocal techniques and musicianship are developed. The Mixed Chorus performs at Winter and Spring Concerts and various musical performances throughout the year. Choral Masters is a full year with required after-school concert participation twice a year. Admittance into the program is by recommendation or audition. Concert attendance is mandatory.

Course: Forte!
Credit: 1.00
Credit Type: Fine Art
Prerequisite: Audition

This course is designed to help students achieve greater vocal independence, confidence, inner hearing, and quality tonal production. Students will study a variety of musical styles and work as an ensemble to perform and share music with friends, family, and the community. Students will memorize their music and follow conductor cues. Through group exercises, individual practice, demonstrations, and warm-ups students will become more comfortable in their vocal range, focus on proper breathing, and blending pitch. Each student experiences a unique and positive atmosphere in which they learn to be a better performer. Forte is a full-year class with required after-school concert participation several times a year. Acceptance into this program is by audition only. Concert attendance is mandatory.

Course: Varsity Chorale
Credit: 1.00
Credit Type: Fine Art
Prerequisite: Audition
Fee: Cost of costumes and all travel expenses for competitions.

Varsity Chorale is a show choir that works to develop a close harmonic choral blend. The group learns choreography and staging to highlight the music and will require outside rehearsals

every week to prepare shows for competitions. Varsity Chorale students are required to perform at school concerts and Saturday competitions throughout the school year. Students are required to purchase a uniform-prices vary year to year. This class is a full year and acceptance into this program is by audition only. Concert attendance is mandatory.

Course: Music Appreciation - Elements of Today's Music
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

Elements of Today's Music is designed for any student interested in an overview of Music History. This course will offer exposure to the Elements of Music, Ancient, Medieval, Renaissance, Baroque, into the Classical Music Era. This class will also analyze today's music using the music elements. Students do not need to play an instrument or read music to take Elements of Today's Music. It is open to all students regardless of musical experience.

Course: Music Appreciation - Then and Now
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

Music Appreciation - Then and Now is designed for any student interested in an overview of Music History. This course will offer exposure to the Elements of Music, Classical, Romantic, 20th & 21st Century. This class will also analyze modern music (today's music) using the music elements. Students do not need to play an instrument or read music to take Classical to Modern Music. It is open to all students regardless of musical experience.

Course: Digital Music Production 1
Credit: 0.50
Credit Type: Fine Art
Prerequisite: None

Digital Music Production 1 is open to all students entering grades 9-12 who are interested in learning how to produce and/or create music using digital software and basic hardware. Students do not need to have prior music knowledge and/or training to take this class. This course will expose students to various programs and hardware available for use on a basic level. Programs included in this course are: BandLab, Audacity, and GarageBand. In addition, we will cover basic musical knowledge and skills as they apply to the concepts, programs, and hardware in use through foundation and application. To develop skills and knowledge in digital music production on a variety of platforms, including disciplines of recording, songwriting & commercial use. This course is designed to create initial experience as well as establish the basic knowledge to continue independently if desired. This course fulfills 0.50 Fine Art Credit.

Course: Digital Music Production 2
Credit: 0.50
Credit Type: Fine Art
Prerequisite: Digital Music Production 1 or Interview

Digital Music Production 2 is a spring only course open to students 9-12 who have previously taken Digital Music 1 and/or have interviewed with prior experience in this area of study. This course is designed to dive deeper into the concepts and programs used in Digital Music Production 1 as well as higher level programs and applications. In addition to previous programs, we will also use SoundTrap and Pro Tools Intro. This course will be used to develop skills and knowledge in digital music production on a variety of DMP platforms, including DMP disciplines of film, recording, songwriting & commercial use. We will cover topics ranging from real world applications and study to higher level musical structures and collaborations. This course fulfills 0.50 Fine Art Credit.

Physical Education & Health Course Offerings

Course: Lifetime Sports
Credit: 0.25
Credit Type: Physical Education
Prerequisite: None

The Lifetime Sports component provides students with the opportunity to participate in individual activities that contribute to a healthy lifestyle that are outside the team/group realm. Participation in various lifetime sports activities can contribute to living a healthy lifestyle.

Course: Physical Fitness
Credit: 0.25
Credit Type: Physical Education
Prerequisite: None

The purpose of the fitness-based course is to encourage overall fitness and the important role fitness plays in living a healthier, happier and longer life. Motivation and the interrelationship of physical and health-related skills will be emphasized to promote a healthy lifestyle. Students will understand the fitness components and specific activities needed to improve personal fitness. Participation in various fitness-based activities can contribute to living a healthy lifestyle.

Course: Team Sports
Credit: 0.25
Credit Type: Physical Education
Prerequisite: None

The purpose of the Team Sports component will be for the students to understand that acceptable outcomes are the result of cooperation and participation. Through participation in the various activities, the students will understand how sportsmanship and adherence to rules deter conflict. Students will understand that individual responsibility and attitude play an important role in group success. Participation in various group activities can contribute to living a healthy lifestyle.

Course: Sports Officiating
Credit: 0.25
Credit Type: Physical Education

Prerequisite: None

The Sports Officiating course offers students the opportunity to explore and develop skills and knowledge necessary for a foundation in sports officials across various athletic disciplines. This course aligns with the Ohio standards for Physical Education while focusing on the rules, mechanics, and ethics of sports officiating. Students will engage in practical experiences, theoretical discussions, and hands-on activities to enhance their understanding of officiating techniques and decision-making processes. Through this course, students will gain valuable insights into the role of sports officials and prepare for officiating credentials in selected sports.

Course: Sport Training/Weight Lifting

Credit: 0.25

Credit Type: Physical Education

Prerequisite: None

Students will formulate an Individualized Training Program for their individual sport, gender, and age. They will practice and apply proper weight training techniques by participating in Core Training and Functional Exercises that Improve Performance. Students will participate in Agility and Performance Enhancing Exercises designed especially for young athletes. Students will participate in Plyometric Exercises and Performance Enhancing Exercises especially designed for young athletes. Students will practice and apply skills for Core Strengthening Exercises. Students will participate in and apply skills for Cardiovascular Endurance. Students will learn and apply skills to create a nutrition program specifically designed for them.

Course: Tough Athletic Conditioning (TAC)

Credit: 0.25

Credit Type: Physical Education

Prerequisite: None

TAC course is an advanced wellness course designed for students participating in competitive sports and activities. It features instruction on the techniques of weight training and conditioning as they pertain to athletic competition. This course involves a physically demanding program of weight training and fitness activities designed to enhance speed, agility, mobility, explosiveness, and coordination. TAC will include a leadership development component through Focus 3. Students undergo periodic strength and fitness assessments, and develop/revisit performance goals.

Course: Health

Credit: 0.50

Credit Type: Health

Prerequisite: None

Health Education provides the basis for continued methods of developing knowledge, concepts, skills, behaviors and well-being. This course includes the major content areas in a planned, sequential, comprehensive health education curriculum as expressed in the 8 National Health Standards. Students are provided with opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students in understanding that health is a lifetime commitment by analyzing individual factors and health decisions that promote health and prevent disease. Students are also encouraged to assume individual

responsibility for becoming competent health consumers. A variety of instructional strategies, including technology, are used to further develop health literacy.

Science Course Offerings

Course: Physical Science
Credit: 1.00
Credit Type: Science - Physical
Prerequisite: None

Physical Science introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning.

Course: Biology
Credit: 1.00
Credit Type: Science - Life Science
Prerequisite: Physical Science

Biology is designed for students to gain a better understanding of the mechanisms within and between living systems. Topics covered include Cell Biology, Genetics, Evolution, Ecology and Human Biology. Students will be encouraged to think critically about how the topics impact the world they live in and creatively illustrate the concepts in practical applications through inquiry-based learning.

Course: Honors Biology
Credit: 1.00
Credit Type: Science - Life Science
Prerequisite: 8th Grade Honors Science or Teacher Recommendation

Honors Biology is an accelerated course designed for students to gain a better understanding of the mechanisms within and between living systems. Topics covered include Cell Biology, Genetics, Evolution, Ecology and Human Biology. Students will be encouraged to think critically about how the topics impact the world they live in and creatively illustrate the concepts in practical applications through inquiry-based learning.

Course: Chemistry
Credit: 1.00
Credit Type: Science - Physical or Advanced
Prerequisite: Biology and Algebra



Chemistry deals with the properties of matter, and the transformation and interactions of matter and energy. Central to chemistry is the interaction of one substance with another, such as in a chemical reaction, where a substance or substances are transformed into another.

Chemistry primarily studies atoms and collections of atoms such as molecules, crystals or metals that make up ordinary matter. It is a laboratory course that involves the study of the properties and nature of matter, the interactions of matter and energy, and the chemical interactions and events in the natural world.

Course: Honors Chemistry
Credit: 1.00
Credit Type: Science - Physical or Advanced
Prerequisite: Honors Biology (or Teacher Recommendation) and Algebra (C or better)



Honors Chemistry introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Honors Chemistry comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The course examines the classification of matter, its structure and its interactions. Investigations are used to understand and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

Course: Physics
Credit: 1.00
Credit Type: Science - Physical or Advanced
Prerequisite: Biology and Algebra



Physics examines the topics of forces, motion, energy, momentum, sound, light, electricity & magnetism. This course is conceptual and lab based, but requires a basic understanding of Algebra. Coursework involves problem solving, laboratory activities, simulations, engineering design challenges and formal assessments. The students will create rockets, catapults, electrical circuits, Knex cars and study roller coaster physics.

Course: Honors Physics
Credit: 1.00
Credit Type: Science - Physical or Advanced
Prerequisite: Honors Chemistry and Algebra 2 (C or better) or Teacher Recommendation



Honors Physics examines the topics of forces, motion, energy, momentum, sound, light, electricity & magnetism. The math is algebra based with a basic understanding of trigonometric relations. Coursework involves problem solving, laboratory activities, simulations, engineering design challenges and formal assessments. The students will create rockets, catapults, electrical circuits, Knex cars and study roller coaster physics.

Course: Environmental Science
Credit: 1.00
Credit Type: Science - Life or Advanced
Prerequisite: Completion (or attempt) of physical and life science credit

Environmental Science is the study of Earth's ecosystems, populations, and resources. It includes an emphasis on decision-making processes and the choices people make regarding the use and conservation of natural resources. Environmental Science incorporates aspects of

Chemistry, Biology, and Geology in an applied way. In addition to the content, Environmental Science students will develop scientific skills such as data collection and analysis.

Course: Astronomy
Credit: 1.00
Credit Type: Science - Physical or Advanced
Prerequisite: Physical and Life science Credit



Astronomy focuses on developing perspective on the universe and our solar system using motion, energy & gravity. Coursework will explore the historical and modern views of the universe, constellations and the night sky, planets and our solar system. Study of cosmology and how we learn from stars using light and telescopes leads into our understanding of stellar evolution, relativity, galaxy structure, and the fate of the universe. Astronomy student learning is enhanced through the use of the EHS planetarium.

Course: BIO1050 Human Biology
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Science - Life or Advanced
Prerequisite: CCP placement or Teacher recommendation



This course is designed for students to gain an understanding of basic *Human Biology*. Topics covered include structure and function of the human body and details regarding specific body systems. Health, wellness and disease conditions of the systems are covered.

Course: BIO1060 Environmental, Ecology and Evolution
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Science - Life or Advanced
Prerequisite: CCP placement or Teacher recommendation



Questions about the natural world are explored through an introduction to the principles of evolution and ecology, including how populations change over time and how organisms interact with each other and the environment. Topics include scientific inquiry; nature of science; evolutionary processes; diversity of life; population, community, and ecosystem ecology; human impacts on the environment; environmental stewardship; and regional environmental concerns. Students will be encouraged to think critically about how the topics impact themselves, their community and the world in which we live.

Course: BIO1100 Biochemistry
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Science - Life or Advanced
Prerequisite: Chemistry and CCP placement or teacher recommendation



This course is designed for students to gain an understanding of basic *Biochemistry* and serves as an introductory course for healthcare professionals. Physiological applications of the chemical processes of cellular transport, communication and metabolism are emphasized. Students will be encouraged to think critically about how the topics impact themselves, their community and the world in which we live.

Course: BIO2331 Anatomy and Physiology
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP Science - Life or Advanced
Prerequisite: C or better in BIO1100 Biochemistry



This course is designed for students to gain an understanding of basic *Human Anatomy and Physiology*. Physiological applications and fundamental concepts of cellular structure, tissues, organs, and systems are a main focus of the course. Specific systems studied are the skeletal, muscular, integumentary, nervous and endocrine. Laboratory experiences include demonstrations, microscopic observations, anatomic models, and videos related to topics.

Course: Engineering
Credit: 0.50
Credit Type: Elective
Prerequisite: 2 years science complete or teacher recommendation

An introduction to the practice of engineering design, use of hand tools, reverse engineering, the creative process, and the various career paths within engineering. Course is intended for engineering students and for any other student interested in understanding the basics of engineering design and learning about engineering as a possible career. This is a semester course.

Course: Robotics
Credit: 0.50
Credit Type: Elective
Prerequisite: 2 years science complete or teacher recommendation

Robotics is a growing part of manufacturing across the world. This class offers a unique approach to project and task-based learning. Robotics is a hands-on course that requires perseverance and great attention to detail. Students will be challenged to complete intricate tasks using mechanical instruments with precision. Robotics will provide technical and programming skills that are necessary to be competitive in the modern workforce. This is a semester course.

Social Studies Course Offerings

Course: World History
Credit: 1.00
Credit Type: Social Studies - Other
Prerequisite: None

World History examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

Course: Honors World History
Credit: 1.00
Credit Type: Social Studies - Other
Prerequisite: Teacher Recommendation

Honors World History is an in-depth study of world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

Course: American History
Credit: 1.00
Credit Type: Social Studies - American History
Prerequisite: World History



American History is a chronological study of the United States from Reconstruction to the Present. Students will develop a deeper understanding of their role as a citizen and as a productive member of society. Through the continued practice of analyzing primary and secondary sources, students will expand their command of social studies skills and methods.

Course: Honors American History
Credit: 1.00
Credit Type: Social Studies - American History
Prerequisite: Teacher Recommendation.



Honors American History is an in-depth, chronological study of the United States from Reconstruction to the Present. Students will develop a deeper understanding of their role as a citizen and as a productive member of society. Through the continued practice of analyzing primary and secondary sources, students will expand their command of social studies skills and methods.

Course: HIS1510: United States History to 1877
Credit: 1.00 HS credit; 3 college semester hours
Credit Type: CCP/Social Studies - American History
Prerequisite: 3.0 GPA or higher, at conclusion of grade 10



An overview and critical examination of United States history from Age of Exploration to end of Reconstruction, with emphasis on significant political, social, cultural, economic and military events as well as specific historical personalities. Will also examine the influence and contributions of women, minorities and ethnic groups.

Course: HIS1520 United States History Since 1877
Credit: 1.00 HS credit; 3 college semester hours



Credit Type: CCP/Social Studies - American History
Prerequisite: 3.0 GPA or higher, at conclusion of grade 10

An overview and critical examination of United States history from 1877 to the present with emphasis on significant political, social, cultural, economic and military events as well as specific historical personalities. Will also examine the influence and contributions of women, minorities and ethnic groups.

Course: American Government
Credit: 1.00
Credit: Social Studies - American Government
Prerequisite: World History & American History



American Government is an overview of U.S. government institutions and traditions. Students study the historic roots of the political system and how it has changed over time. Students also develop an understanding of the rights and responsibilities of citizens and analyze the nature of political power in modern America. The last unit of the course is spent on financial literacy. Students will examine the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

Course: Honors American Government
Credit: 1.00
Credit: Social Studies - American Government
Prerequisite: World History, American History and Teacher Recommendation



Honors American Government is an in depth study in U.S. government institutions and traditions. Students will study the historic roots of the political system and how it has changed over time. Students will use current events to connect Constitutional principles to the present, develop an understanding of the rights and responsibilities of citizens and analyze the nature of political power in modern America. The last unit of the course is spent on financial literacy. Students will examine the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

Course: Psychology
Credit: 1.00
Credit Type: Social Studies - Other
Prerequisite: World History, American History

Using the National Standards for High School Psychology as an outline, this introductory course studies mental processes and human behavior. Some topics for study include the science of happiness, consciousness, sensation, perception, memory, motivation, emotions, stress and coping, addiction, personality, mental disorders and treatment and group behavior.

Course: African-American History
Credit: 1.00
Credit Type: Social Studies - Other

Prerequisite: World History, American History

African-American History is a chronological study of African-American history, stretching from Africa to issues and events of modern America. Ohio's New Learning Standards that apply to the African-American experience will be covered and reinforced. The course is designed to enrich students' understanding and perspective of what it means to be an African-American, past and present.

World Language Course Offerings

Course: Spanish 1
Credit: 1.00
Credit Type: World Language
Prerequisite: None

Using a Proficiency oriented and Comprehensible Input based method of language instruction, the Spanish 1 curriculum teaches language and culture simultaneously, allowing students the opportunity to develop a rich cultural understanding. Lessons involve all three modes of communication: interpretive, interpersonal and presentational. Students are equipped with high frequency vocabulary in each unit of study. Students will be able to communicate on a broad range of subjects in the target language through the use of stories, authentic resources, infographics, songs, commercials and news articles. Students will be using the target language primarily in the present tense. Emphasis is on the four major communicative skills: listening, speaking, reading and writing.

Course: Spanish 2
Credit: 1.00
Credit Type: World Language
Prerequisite: Spanish 1/Department chair approval

Continuing with a Proficiency oriented and Comprehensible Input based method of language instruction, the Spanish 2 curriculum continues to teach language and culture simultaneously, allowing students the opportunity to dive deeper into a rich cultural understanding. Students will continue using comprehension based strategies such as: Collaborative Storytelling, Personalized Questions and Answers, Partner activities and Presentations. Students will be using the target language primarily in the present tense with an introduction to the past tense. Students will be able to communicate on a broad range of subjects in the target language through the use of stories, authentic resources, infographics, songs, commercials and news articles. Continued emphasis is placed on the four major communicative skills: listening, speaking, reading and writing.

Course: Honors Spanish 3
Credit: 1.00
Credit Type: World Language
Prerequisite: A or B average in Spanish 2 or department chair approval

Using a content and proficiency-based curriculum, Spanish 3 students will continue to develop acquisition of the Spanish language through the intermediate levels. A thorough review of grammar will be conducted. The curriculum provides opportunities for students to explore cross-curricular themes. There will be opportunities to interact with authentic materials that are accessible. Students will have the opportunity to learn how they can make an impact in the world using the target language. Some topics include: classical art, family resemblances and making predictions.

Course: Honors Spanish 4
Credit: 1.00
Credit Type: World Language
Prerequisite: A or B average in Honors Spanish 3 or department chair approval

Using a content and proficiency-based curriculum, Spanish 4 students will continue to develop acquisition of the Spanish language through the intermediate levels. A thorough review of grammar will be conducted. The curriculum provides opportunities for students to explore cross-curricular themes and incorporate more complex topics. There will be opportunities to interact with authentic materials that are accessible. Students will continue to have the opportunity to learn how they can make an impact in the world using the target language. Some topics include: the rainforest, ecosystems and our impact on the environment and self image in today's social media.

Course: Mandarin 1
Credit: 1.00
Credit Type: World Language
Prerequisite: None

Mandarin 1 is designed for students who have had no prior exposure to Chinese language. Both Pinyin phonetic system and Simplified Chinese characters will be used. Students will explore and experience the Chinese language and culture through meaningful, diverse activities, using authentic, multimedia materials and computer technologies. They will acquire and develop listening, speaking, reading and writing skills, and be able to communicate basic, real life topics.

Course: Mandarin 2
Credit: 1.00
Credit Type: World Language
Prerequisite: Mandarin 1

Mandarin 2 will have students continue to learn basic vocabulary for describing people and objects. They will be able to communicate about daily life situations, as well as appreciate and explore the rich Chinese culture and make comparisons. They will continue to develop listening, speaking, reading and writing skills through diverse activities, using authentic materials and online technologies.

Course: Mandarin 3 and 4
Credit: 1.00
Credit Type: World Language

Prerequisite: Mandarin 2

In Levels III and IV, students continue to build communication skills developed in Levels I and II. Specifically, students actively participate in extended speaking and writing activities. They learn to narrate, describe, and discuss events within context. Classic study is part of the culture component. Students will be immersed in cultural intricacies through learning about traditional and contemporary cultural perspectives and products.

Career Technical Education (CTE) Program Offerings through Euclid High School and the Lake Shore Compact

The Lake Shore Compact is a career technical consortium serving Euclid, Mentor, and Wickliffe school systems. Lake Shore Compact's primary objective is to prepare students to enter a four-year college, a two-year technical school, or a career of their choosing. Students in the Lake Shore Compact programs are eligible to receive college credit upon successful completion of their program, according to College Tech Prep standards. [Click here to view the Lake Shore Compact website.](#)

The following College Tech Prep Programs are offered to Euclid High School students through the [Lake Shore Compact](#) or Euclid High School:

Program: [Advanced Manufacturing](#)
Location: AWT Training Center

Students learn the application of quality control principles, basic drafting skills, CNC programming, SURFCAM, use of precision measuring tools, cold forming of metals, and precision turning and milling. Internship opportunities are available senior year.
Earn Up to 4 College Credits

Program: [Allied Health](#)
Location: Mentor High School

Exploratory health program that prepares students for a wide range of medical careers through high-level academic coursework, practical lab experiences, and clinic experiences. Students will receive their cardiopulmonary resuscitation (CPR) and basic life support (BLS) certification while preparing to earn a State Tested Nursing Assistant (STNA) certification.
Earn Up to 10 College Credits

Program: [Automotive Technologies at Mentor Classic Automotive](#)
Location: Mentor Classic Automotive

This hands-on experience helps prepare students to go right to work as a specialist technician, lube tech, service writer or owner/operator, to name a few. Some standard skills that will help boost your knowledge include brake and tire repair, steering suspension repairs, alignment, electrical diagnosis, engine repair, HVAC, engine performance and diagnosis and more. You'll also work on complex vehicle computers and advanced under-car systems.
Earn Up to 1 College Credit

Course: Boutique Services
Location: Euclid High School

Boutique Services is a senior year career technical education credential course designed to introduce students to the dynamic world of cosmetology boutique services. Through hands-on experiences and theoretical foundations, students will explore the artistry of braiding, makeup application, shampooing techniques, and threading. This comprehensive curriculum will equip students with skills and knowledge essential for success in the beauty industry, emphasizing not only technical proficiency but also professionalism and client satisfaction. This course empowers students to unleash their creativity while preparing them for diverse opportunities in the thriving beauty sector.

Program: [Construction Management](#)
Location: Euclid High School

Provides a broad survey of multiple construction technology fields; prepares the student for advanced studies and training in a specific construction apprenticeship program.
Earn Up To 4 College Credits

Program: [Criminal Justice](#)
Location: Euclid High School

Criminal Justice I & II involves classroom and tactical experiences related to public safety occupations such as law enforcement, loss prevention, homeland security, and private security. Training topics such as patrol, crime scene processing, arrest procedures, interview & interrogation and testifying are only a few of the competencies based on Ohio's public safety standards. The second year of the program involves participation in the Ohio Peace Officer Training Commission's Private Security Academy. Passage of the academy state exam will certify the student as a private security officer in the state of Ohio. Students obtain First Aid, CPR, AED, Federal Emergency Management Agency (FEMA), OSHA, ASP expandable baton, and OC/Mace Certifications. College Credits range from 3 to 15 based on academy performance.
Earn Up To 15 College Credits

Program: [Culinary Arts](#)
Location: Euclid High School

Provides students an opportunity to explore a wide variety of learning experiences involving nutrition, food sanitation, basic culinary techniques, food preparation, nutrition, and baking fundamentals. Students will run a full-service restaurant open to the public to obtain experience in all positions. Upon successful completion, students are prepared to work in a hotel, restaurant, or hospitality setting. Students will receive certification through the National Restaurant Association Education Foundation.
Earn Up to 6 College Credits

Program: [Early Childhood Education](#)
Location: Mentor High School

The Early Childhood Education Program (ECE) offers training for students in both preschool and elementary settings. This is a two-year program where students actively engage in the preschool classroom located at Mentor High School (junior year) and work in a classroom

setting of their choice (senior year). While in the classroom, students gain knowledge about behavior management techniques and educational theorists and can teach the class and write lesson plans. This program is a pathway that leads to a rewarding career working with young learners.

Earn Up To 4 College Credits

Program: [Exercise Science & Sports Medicine](#)

Location: Euclid High School

Students will apply procedures and techniques used in athletic training and the care provided for therapeutic exercise and the rehabilitation of athletic injuries. Topics will include but are not limited to injury prevention, nutritional intake, exercise science concerning other healthcare fields, and medical terminology.

Earn up to 9 college credits

Program: Landscape Design

Location: Euclid High School

This program is for students who like to work outdoors and work independently. Students will use tools and outdoor equipment to work with plants, shrubbery, and trees. Students in this program will learn basic skills in lawn care, plant growth and maintenance, product ordering and inventory, and customer service. Professions within this pathway may include; landscapers, gardeners, landscape construction workers, groundskeepers, lawn care technicians, landscape laborers, and greenhouse attendants.

Program: [Marketing & Business Administration](#)

Location: Mentor High School

This program is designed for students who may be interested in pursuing a degree in business. Students learn business operations and decision-making skills and the efficient use of company resources necessary to work toward the common goals and objectives that keep a business healthy and growing. Students are challenged to apply classroom concepts to real-world business practices through field trips and local business partners. Creative and innovative thinkers with an eye towards the future are highly encouraged to apply.

Earn Up To 9 College Credits

Program: [Mentor Fire & EMT Academy \(Senior Only\)](#)

Location: Mentor Fire Station 4

This course will prepare students to perform entry-level emergency medical care as an EMT. Students will assess patient's conditions, administer appropriate emergency medical care, and perform EMT duties safely and effectively. At the end of this course, successful students will be eligible to sit for Ohio certification testing as an Emergency Medical Technician. Program time will be spent at a Mentor Fire Department. Clinical time may be spent off site.

Program: [Networking & IT Security](#)

Location: Mentor High School

Prepares students to build, evaluate, troubleshoot, and maintain computers, networks, and

electronic products and systems on a path to becoming Computer Engineers. Students will prepare for the CompTIA A+ Certification and Networking certification. Internship opportunities are available during the senior year.
Earn Up To 19 College Credits

Program: [Programming & Software Development](#)
Location: Mentor High School

Focuses on software design and development where students will build applications for business and industry, learn how to store, use, and retrieve data from databases, create dynamic websites, and explore ethical hacking.
Earn Up To 16 College Credits

Program: [Robotics & Automation](#)
Location: Euclid Memorial Options Center

Focuses on tackling real-world projects, connecting with the local automation industry and providing internship opportunities. Students will develop the knowledge and skills necessary to program, safely operate and troubleshoot industrial robots and automation controllers. Students will learn to code and debug programs on industrial robots and automation systems in a number of programming languages. Students will gain necessary knowledge to operate industrial robots and automation controllers as well as become certified as operators.
Earn Up To 13 College Credits

Course: Shark Tank
Location: Euclid High School

Shark Tank is a dynamic senior year career technical education credential course designed to immerse students in the world of business and entrepreneurship. Through a combination of theoretical learning and hands-on experience, students will explore fundamental business principles, explore the intricacies of entrepreneurial ventures, and hone their critical thinking and problem-solving skills. Throughout the course, students will collaborate to develop innovative products, conduct market research, and formulate comprehensive business plans to present to a simulated investment group. By the end of the course, students will emerge with a deep understanding of business dynamics, practical experience in product development, and the confidence to navigate the competitive landscape of entrepreneurship.

Program: [Studio Art & Visual Design](#)
Location: Euclid High School

Prepares students for a career in visual design and computer imaging. Emphasis is placed on developing proficiency in basic art skills such as drawing, calligraphy, layout, and illustration using various techniques and media. Students become proficient in the use of InDesign and Photoshop to create graphic pieces. Additional Adobe certification in Photoshop & InDesign is available for students who successfully complete this program.
Earn Up To 9 College Credits

Program: [Teaching Professions](#)
Location: Euclid High School

Students will be exposed to the many career options as a licensed educator, including those

that support students and families outside of the classroom. They will have the opportunity to explore working with various grade levels and occupations within a school district.

Earn Up To 3 College Credits

Program: [Urban Agriculture](#)

Location: Euclid Memorial Options Center

This program teaches students how to manage and work in the growing field of urban agriculture with skills related to plant and animal production and business leadership, entrepreneurship abilities, and communication. In this program, students learn about and operate a community-supported agricultural business as part of the school day. Students will be responsible for all aspects of the business, including cultivating and growing food, managing and caring for livestock including chickens and goats, packaging and marketing products, and interacting with customers. Students who successfully complete the program can earn several industry-related credentials. This experience will prepare students to enter the thriving local food economy of Northeast Ohio in a variety of capacities so that they can enter a career that is personally and professionally rewarding.

Earn Up To 7 College Credits

Program: [Welding](#)

Location: Euclid High School

This community service-driven program is designed to teach students how to communicate, collaborate, and educate businesses and industries in our local community while utilizing the skills of welding, fabricating, designing, and engineering. Our student-facilitated projects will impact our lives, our communities, our schools, and our country. This program has been ranked in the top 5 welding programs in the US for the last ten years and is both nationally and internationally recognized.

Earn Up To 9 College Credits

Junior Training Coordination (JTC) Program Offerings

Program: Hospitality and Retail

Location: Euclid High School

This program is for students who like to help others, work with the public, cook, bake, prepare food, and enjoy maintaining a clean, orderly environment. Students in this program will learn basic skills in teamwork, food and beverage preparation, accepting cash and electronic payments, product ordering and inventory, customer service, and hotel style room cleaning and maintenance. Professions within this pathway may include; baristas, cashiers, housekeepers, servers, room attendants, and salespersons.

Program: Environmental Services

Location: Euclid High School

This program is for students who like to work independently, make small repairs, and like dealing with linens and textiles, as well as, enjoy maintaining a clean and orderly environment. Students in this program will learn basic skills in small tool use, laundry service, commercial/medical cleaning, basic repairs, customer service, and hotel style room cleaning and maintenance. Professions within this pathway may include hospital housekeepers, janitors, environmental service technicians, environmental services aids, custodians, and cleaners.