



Milton-Union High School

PROGRAM OF STUDIES

2023-2024

A comprehensive look at career pathways, graduation requirements, and course options for the Class of 2024 and beyond.

The mission of Milton-Union Schools is to empower students to achieve their full academic and personal potential.

“Stronger me, stronger we,
brighter future...”

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SCHEDULING AND PATHWAYS

INSTRUCTIONS AND PLANNING

Instructions

1. Carefully read the Program of Studies to ensure your understanding regarding requirements for graduation, course offerings, prerequisites, costs, and course content.
2. The request sheet should be taken home and signed by parents/guardians. Return the request sheet to the School Counseling Office within five days.

Planning

This document lists all courses offered by Milton-Union High School for the 2023-24 school year. Choose course requests with extreme care considering your abilities, interests, needs, and chosen career path. You should plan courses to meet Miami Valley Career Technology Center program requirements and/or entrance requirements of your chosen college, university, technical school, etc. Be sure to discuss educational plans with your parents, teachers, counselors, and others interested in your success qualified to give advice. In selecting subjects, pay particular attention to course prerequisites and requirements for receiving credit. Select electives to match your interests and increase likelihood of success. At the time of registration, you are accepting responsibility for meeting any special requirements associated with the electives you choose. **Once your selections are made with parent approval, no changes are permitted unless extenuating circumstances are approved by Principal/Counselor.** During scheduling, seniors are given first priority, juniors second, sophomores third, and ninth grade fourth. **All late and unsigned requests will be considered last regardless of grade level.** The English, Math, Science, and Social Studies departments will make recommendations for the appropriate course level to best enable students' success. These recommendations should be approved by the parent/guardian. If there is a disagreement regarding the recommendation, the parent/guardian is asked to contact the teacher for a conference prior to the last day of school.

The Administration reserves the right to cancel a course due to lack of enrollment or staffing.

STUDENT RESPONSIBILITIES IN SCHEDULING

1. Investigate classes in which you might be enrolling to develop an understanding of what they could be like. Talk with your teachers, counselors, and other students about these classes prior to enrollment.
2. Register for the appropriate classes and reasonable course load. A school counselor will check for the minimum number of classes and appropriate levels.
3. Discuss plans with parents and family members and direct any questions or concerns to your school counselor prior to the end of the school year. Changes are not permitted after this point.
4. Choose classes in the spring and commit to those classes for the following school year.
5. Schedules will be finalized the last day of school.

STUDENT SUCCESS PLANS

School Counselors meet with students twice per year to develop and follow a success plan for grades 9-12. A Success Plan identifies students' career goals after high school graduation and describes action steps to achieve those goals. The plan also states students' interests, skills, and knowledge that relate to their career goals. The plan includes the high school courses and programs related to and supportive of students' career goals to help outline a clear pathway for post-graduation success.

Milton-Union Student Success Plan

This document will be used to help plan your career/college goals. Your goals may change over time, and you should revisit and update this form each year. This document is a tool to help you identify career and educational goals. This information will also help your counselor understand your pathway and provide resources that help you accomplish your goals.

1. After High School I plan to:

- Work full time
- Work part time and attend school
- Attend a two or four-year post-secondary institution full time
- Attend technical school full time
- Enter the military as a career
- Unsure at this time

2. What are some of your interests, skills, or other things you are knowledgeable about?

3. What is your career goal(s)? _____

4. Has your career goal(s) changed since last year? _____

5. What other career goals and education plans have you considered as a second choice? _____

6. What can the Milton-Union staff do to support and assist you in reaching your college and career goals? _____

7. Who is a person within the school that you feel like you can go to?

8. Colleges you are applying to/Jobs you are applying to/ or military branch enlisting in. What Step are you in the process?

1. _____
a. _____
b. _____
c. _____

2. _____
a. _____
b. _____
c. _____

3. _____
a. _____
b. _____
c. _____

Approval of Student Success Plan:

Student signature **Date**

Counselor Signature **Date**

CAREER PATHWAYS

The Ohio Department of Education regularly develops career pathway models based on Ohio's in-demand occupations. The links below outline various career options, salaries, and sample course plans - some starting as early as 7th grade. Additional career planning resources can be found online at OhioMeansJobs.com. Milton-Union specific career pathway options are located in column three.

Agriculture and Environmental Systems

[Animal Science](#)
[Environmental Systems](#)
[Food Buyer](#)
[Food Inspector](#)
[Food Science](#)
[Geoscience](#)
[Horticulture](#)
[Natural Resources](#)
[Urban Forestry](#)
[Veterinarian](#)
[Water Systems](#)

Arts and Communication

[Commercial Design](#)
[Media Arts \(I\)](#)
[Media Arts \(II\)](#)
[Performing Arts](#)
[Visual Design](#)

Business Administration

[Administrative Support](#)
[Business Management](#)
[Human Resources \(I\)](#)
[Human Resources \(II\)](#)
[Legal Management](#)
[Medical Management](#)
[Purchasing](#)
[Supply Chain Management \(I\)](#)
[Supply Chain Management \(II\)](#)
[Training](#)

Construction Technologies

[Electrical](#)
[HVAC](#)
[Heavy Equipment Management \(I\)](#)
[Management \(II\)](#)
[Telecommunications](#)

Education and Training

[Teaching](#)

Engineering and Science Technologies

[Chemical Engineering](#)
[Electrical Engineering](#)
[Electronics Engineering](#)
[Engineering Management](#)
[Mechanical Engineering](#)

Finance

[Accounting](#)
[Banking](#)
[Financial Advisor](#)
[Financial Analysis](#)
[Insurance](#)
[Management](#)

Government and Public Administration

[Compliance](#)

Health Science

[Advanced Patient Care](#)
[Biomedical Engineering](#)
[Biotech \(I\)](#)
[Biotech \(II\)](#)
[Dental](#)
[Medical Assisting](#)
[Nursing \(I\)](#)
[Nursing \(II\)](#)
[Occupational Therapy](#)
[Pharmacy](#)
[Physical Therapy](#)
[Prosthetics](#)
[Radiology](#)
[Surgery](#)

Hospitality and Tourism

[Culinary Arts](#)

Human Services

[Mental Health Counseling](#)
[Social Work](#)

Milton-Union Satellite Career Programs

Agriculture

Agriculture, Food and Natural Resources (9-12)
Animal & Plant Science (10-12)
Agricultural and Environmental Systems Capstone (11-12)
Mechanical Principles (11-12)
Agriculture Business Management (11-12)

Business

Office Management (9-12)
Business Management & Principles (10-12)
Personal Finance (12-12)
Business Capstone Course (12)

Engineering

Intro to Engineering (9-12)
Engineering Principles (9-12)
Robotics (9-12)

See page 22 for career technical programs offered at the Miami Valley Career Technology Center.

PREPARING FOR GRADUATION

GENERAL GRADUATION REQUIREMENTS

There is no one-size-fits-all path to graduation. The State of Ohio provides several options to qualify for a high school diploma. Choose the path that works best for you. Graduation requirements for students in the Class of 2023 and beyond can be found [here](#) and consists of three key components.

Step 1: Complete Graduation Requirements

MUHS Required Credits:

You must earn a total of 22 credits in specific subjects (21 credits if you attend CTC).

English/Language Arts	4 Credits
Math	4 Credits
Science	3 Credits
Social Studies	3 Credits
Health	½ Credit
Physical Education	½ Credit
Fine Art	1 Credit
Business	1 Credit
Electives	5 Credits
Financial Literacy*	½ Credit

*For the class of 2026 and beyond only

Step 2: Demonstrate Competency

Students must earn a passing score on Ohio's High School Algebra I and English II tests. The Ohio Department of Education has determined that the competency cut score shall be

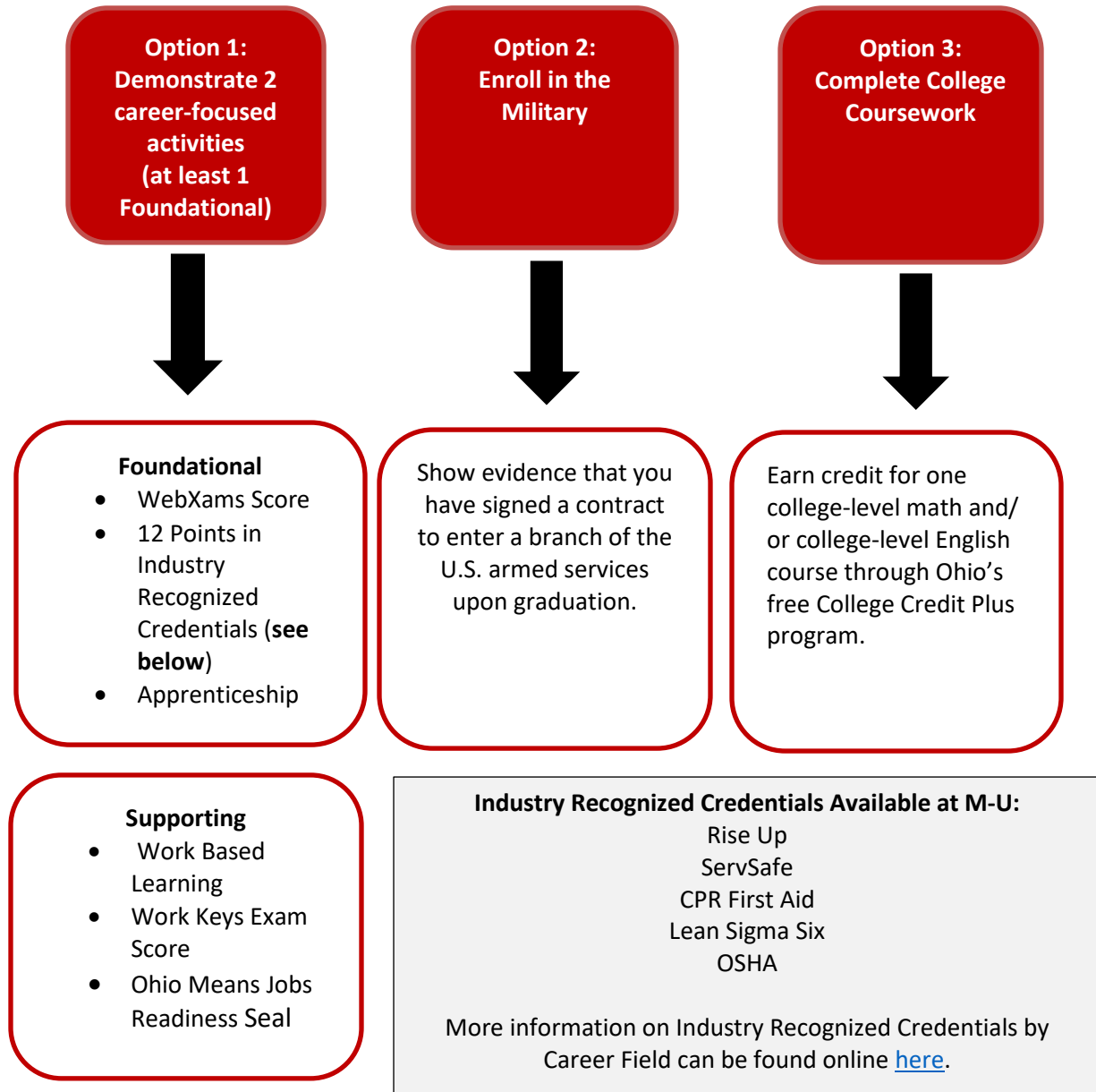
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for both the Algebra I and English Language Arts II end-of-course examinations.

For more information regarding competency score determination, please see the ODE Memo located [here](#).

OR

**Step 2 Continued:
Competency Alternatives**



Option 4:

ACT or SAT Remediation Free Score

Subject	ACT	SAT
English Language Arts	English sub score of 18+	Evidence Based Reading and Writing Score of 480+
	Reading sub score of 22+	
Mathematics	Mathematics sub score of 22+	Mathematics score of 530+

**Step 3:
Demonstrate Readiness**

Earn two of the following diploma seals, choosing those aligning with the student’s goals and interests. (One must be state defined.)

State Defined Diploma Seals	Requirements
Citizenship Seal	<p>Students must satisfy one of the listed American History options and one of the listed American Government options:</p> <p>American History options:</p> <ol style="list-style-type: none"> 1. Earn a final course grade that is equivalent to a “B” or higher in an American History course 2. Earn a score of proficient or higher on Ohio’s State Test in American History 3. Earn a score equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate test in US History 4. Earn a “B” or higher in appropriate American History College Credit Plus course. <p>American Government options:</p> <ol style="list-style-type: none"> 1. Earn a final course grade that is equivalent to a “B” or higher in an American Government course 2. Earn a score of proficient or higher on Ohio’s State Test in American Government 3. Earn a score equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate test in US Government 4. Earn a “B” or higher in appropriate American Government College Credit Plus course <p><i>Students with an IEP who participate in the Ohio Alternate Assessment for Students with the Most Significant Cognitive Disabilities may earn the Citizenship Seal by earning a score of Basic on the social studies alternate assessment.</i></p>
College-Ready Seal	Earn remediation-free scores on the ACT or SAT.

Honors Diploma Seal	<p>Earn one of six Honors Diplomas outlined below:</p> <ol style="list-style-type: none"> 1. Academic Honors Diploma 2. International Baccalaureate Honors Diploma 3. Career-Tech Honors Diploma 4. STEM Honors Diploma 5. Arts Honors Diploma 6. Social Science and Civic Engagement Honors Diploma
Industry-Recognized Credential Seal	<p>Earn a 12-point approved industry-recognized credential or group of credentials totaling 12 points in a single career field.</p>
Military Enlistment Seal	<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>
Ohio Means Jobs – Readiness Seal	<p>Meet the requirements and criteria established for the readiness seal, including demonstration of work-readiness and professional competencies.</p>
State Seal of Biliteracy	<p>Meet the requirements and criteria, including proficiency requirements on assessments in a world language and English.</p>
Science Seal	<p>Students must satisfy at least one of the following:</p> <ol style="list-style-type: none"> 1. Earn a final course grade that is equivalent to a “B” or higher in an Advanced Science course; 2. Earn a score of proficient on Ohio’s State Test in Biology; 3. Earn a score equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate science test; or 4. Earn a “B” or higher in a College Credit Plus science course. <p><i>Students with an IEP who participate in the Ohio Alternate Assessment for Students with the Most Significant Cognitive Disabilities may earn the seal by earning a score of Basic on the science alternate assessment.</i></p>

Technology Seal	<p>A student can:</p> <ol style="list-style-type: none"> 1. Earn a score that is at least equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate exam; 2. Earn a final course grade that is equivalent to a “B” or higher in an appropriate class taken through the College Credit Plus program; or 3. 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.)
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Locally Defined Seals	Requirements
Community Service Seal	Complete a community service project aligned with the guidelines adopted by the school district’s local board of education or school governing authority.
Student Engagement Seal	Participate in extracurricular activities such as athletics, clubs, or student government to a meaningful extent, as determined by guidelines adopted by the school district’s local board of education or school governing authority.
Fine and Performing Arts Seal	Demonstrate skill in the fine or performing arts according to an evaluation aligned with guidelines adopted by the school district’s local board of education or school governing authority.

Community Service Seal

Our Community Service Seal Application can be accessed [here](#).

To earn the Community Service Graduation Seal, student must either:

- **Option 1:** Plan, organize, complete, and reflect on a pre-approved service project that makes a significant impact on the community.

Option 1 Documentation can be accessed [here](#).

- **Option 2:** Complete and document a minimum of 30 community service hours during his/her time at Milton-Union High School. A student seeking this seal will need to complete an application with reflection and submit to the principal's office.

Option 2 Documentation can be accessed [here](#).

Plans must be approved by the school counselor or administrator and must meet the following criteria:

- Work should be for the good of the community.
- Work cannot be performed for a for profit business.
- Work cannot be performed during your regularly scheduled day.

Student Engagement Seal -

Our Student Engagement Seal Application can be accessed [here](#).

Any student who meets the requirements of the [MUHS High School PE Waiver](#) qualify for the Student Engagement Seal. Additionally, any student who meets the following criteria will be eligible after the completion of the Student Engagement Seal Application:

- Students who are injured but remain an active part of the team through successful participation.
- Students who successfully participate as athletic team managers for 2+ seasons.
- Students who successfully participate as athletic trainer aides for 2+ seasons.
- Students who successfully participate in MUHS or MVCTC sponsored clubs or activities for two or more seasons, years, or other documented units of time.

Successful participation is defined as engagement in at least 75% of the group or athletic team's activities. It is the responsibility of the coach/advisor to track attendance. The activities for each group will be determined and signed off by the appropriate coach/advisor.

Fine and Performing Arts Seal-

Our Fine and Performing Arts Seal application can be accessed [here](#).

The following students are eligible for the Fine and Performing Arts Seal:

- Any student who successfully completes and receives credit in 2 or more courses in art, music, and/or drama in grades 9- 12.
- Students who successfully participate in 2+ years of Musicals or School Plays.



EARNING CREDITS

EARNING HS CREDIT IN MIDDLE SCHOOL:

Traditionally, students earn credits in grades 9-12 while taking courses at Milton-Union. Some Middle School students, however, will have the opportunity to earn high school credit. For example, some middle school students can enroll in Algebra 1, Geometry, Algebra 2, and Physical Science. Students might be eligible to participate in other course opportunities on a case-by-case basis.

RECOMMENDED CREDIT ATTAINMENT:

Grade level status is determined by cohort (graduation year) when students enter ninth grade. Categorizing students by cohort makes it easier to identify the correct graduation requirements.

Although students are assigned to grade level by cohort, they must earn credits to graduate. We recommend that students earn at least the number of credits below by the end of the listed year to be considered on track for graduation.

Grade 9	5 ¼ credits
Grade 10	11 ½ credits
Grade 11	17 Credits
Grade 12	22 Credits

EDUCATIONAL OPPORTUNITIES CHOICES

The Board of Education recognizes the need to provide alternative means by which students achieve the goals of the district. Educational options are learning experiences or activities that are designed to extend, enhance, supplement, or serve as an alternative to classroom instruction - including, but not limited to, distance learning, on-line coursework, tutorial programs, independent study, correspondence courses, educational travel, project portfolios, internships, mentorship programs, and summer school.

COLLEGE CREDIT PLUS & DUAL ENROLLMENT

Eligible students can take a course and earn high school credit that appears on both their high school and college transcripts. Through College Credit Plus, the student is enrolled in both high school and college and can attend the class in any setting arranged by the college and high school.

Dual Enrollment CCP courses offered at the high school include: Human Biology, Chemistry, AP Language & Composition, AP Literature & Composition, Honors US History, AP Government & Politics, Pre-Calculus, and Honors Spanish III.

Students must submit a letter of intent to participate by April 1st. If a student fails a CCP course he/she is responsible for the fees.

CREDIT RECOVERY/ONLINE COURSES

A Student will be allowed to enroll in an online course when:

- They need to recover credit
- They don't have room in their schedule for the course
- Enrichment
- Work towards early graduation

There will be a \$30 fee for each course the student is enrolled. Students must complete courses by the end of the academic year or semester term. A list of credit recovery courses and their equivalency is available on page 54.

EARLY GRADUATION

Early graduation has been approved by the Board of Education. Interested students should consult with their counselors regarding eligibility and the application process.

GRADING POLICY, HONORS, AND ADDITIONAL INFORMATION

GRADING POLICY

Grades are computed on a percentage basis, ranging from 0 - 100%. Final grades will be displayed on report cards and transcripts as letter grades according to the scale below.

Grade	Percentage
A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

The semester grade is calculated as follows:

1st Quarter grade = 40% of semester grade

2nd Quarter grade = 40% of semester grade

Semester Exam = 20% of semester grade

WEIGHTED GRADES

Weighted grading is a system of evaluating academic achievement on the basis of the level of the difficulty of the course taken. Grades are weighted according to the scale below.

Grade	General	Honors	AP/CCP
A	4	4.5	5
B	3	3.5	4
C	2	3.5	3
D	1	1.5	2
F	0	0	0

Valedictorian and Salutatorian (For Classes of 2024)

a. Valedictorian and Salutatorian will be determined senior year with the student(s) with the highest weighted cumulative GPA average to be named Valedictorian and the second-ranked student(s) named Salutatorian. All grades accumulated up to this time will be averaged and class ranking will be established for these two honors.

i. In the event of a tie for Valedictorian, both or all students will serve as Valedictorian. In this case, no Salutatorian will be named.

ii. No student shall be eligible for graduation honors, such as Valedictorian or Salutatorian unless they have been enrolled for at least eight consecutive semesters prior to the final semester utilized for purposes of determining such honors.

iii. The grades of students transferring to MUHS from a charter school will be recognized; however, the student will have no class rank for purposes of graduation honors, such as Valedictorian, until such time as they have completed eight consecutive semesters.

iv. Students entering the high school from a non-charter or home-based school will have no GPA or class rank for the purposes of graduation honors, such as Valedictorian, until they have completed eight consecutive semesters.

XVII. Valedictorian and Salutatorian and Latin Honors (For Classes of 2025-2026) (BOE Approved 2023)

a. Valedictorian and Salutatorian will be determined senior year with the student(s) with the highest weighted cumulative GPA average to be named Valedictorian and the second-ranked student(s) named Salutatorian. All grades accumulated up to this time will be averaged and class ranking will be established for these two honors.

i. In the event of a tie for Valedictorian, both or all students will serve as Valedictorian. In this case, no Salutatorian will be named.

ii. No student shall be eligible for graduation honors, such as Valedictorian or Salutatorian unless they have been enrolled for at least eight consecutive semesters prior to the final semester utilized for purposes of determining such honors.

iii. The grades of students transferring to MUHS from a charter school will be recognized; however, the student will have no class rank for purposes of graduation honors, such as Valedictorian, until such time as they have completed eight consecutive semesters.

iv. Students entering the high school from a non-charter or home-based school will have no GPA or class rank for the purposes of graduation honors, such as Valedictorian, until they have completed eight consecutive semesters.

b. Latin Honors will be determined senior year with student(s) with certain weighted cumulative GPA average will be bestowed the following honors:

i. Summa Cum Laude: 4.4+

ii. Magna Cum Laude: 4.10-4.399

iii. Cum Laude: 3.8-4.099

XVIII. Latin Honors (Class of 2027 and Beyond) (BOE 2023)

a. Latin Honors will be determined senior year with student(s) with certain weighted cumulative GPA average will be bestowed the following honors:

i. Summa Cum Laude: 4.4+

ii. Magna Cum Laude: 4.10-4.399

iii. Cum Laude: 3.8-4.099

b. Speech selection will be determined by a committee formed by the principal made up of staff.

GRADING POLICY, HONORS, AND ADDITIONAL INFORMATION CONT.

GRADUATION HONORS

The following academic awards can be earned during your time at Milton-Union for recognition at the time of graduation.

Academic Excellence Medals

- 3.7 weighted cumulative GPA+

Honors Diploma

- Must meet seven of the eight state criteria

AP Scholar with Honor

- Average score of at least 3.25 on all AP Exams taken, and scores of 3 or higher on four or more of the exams

President's Award for Educational Excellence

- 3.5 cumulative GPA and above an 85% in Math or Reading on the ACT or SAT test or Advanced score in Math or Reading on State Testing

Cum Laude Award

- 3.2 cumulative GPA and above and no Cs as a final grade

HONOR ROLL & PRINCIPAL'S LIST

Honor Roll

- Students who have a 3.2 or higher GPA for the grading period qualify for the Honor Roll.

Principal's List

- Students who achieve a 3.7 or higher GPA for the grading period qualify for the Principal's List.

COLLEGE ENTRANCE TESTS

Information regarding college entrance tests and practice tests are available on the [ACT](#) and [SAT](#) websites.

The following tests are administered at M-U during the school day every fall:

PSAT 8/9 - The PSAT 8/9 is the first test in the SAT Suite of Assessments, which also includes the PSAT/NMSQT, and the SAT. This assessment tests your child's reading, writing, and math skills.

PSAT NMSQT – The PSAT/NMSQT is a standardized test given to all 10th and 11th grade students. Like the SAT, it measures the knowledge and skills in reading, writing, and math students learn in the classroom. By taking the PSAT/NMSQT as a junior, students may meet the requirements to enter the National Merit® Scholarship Program, an academic competition for recognition and scholarships.

The following test is administered to all 11th grade students during the school day every spring:

SAT – The SAT is a globally recognized college admission test which assesses the knowledge and skills your child is learning in the classroom—the same skills that are key to success in college and career.

The ACT contains four multiple-choice tests—English, mathematics, reading, and science—and an optional writing test. These tests are designed to measure skills that are most important for success in postsecondary education and that are acquired in secondary education. While the ACT is not administered on campus at M-U, we **HIGHLY** encourage any students planning for college to take it at least once during their junior year.

ACT TESTING INFORMATION:

COLLEGE CREDIT PLUS (CCP) AND DUAL ENROLLMENT COURSES

COLLEGE CREDIT PLUS:

College Credit Plus is Ohio’s dual enrollment program that provides students in grades 7-12 the opportunity to earn college and high school credits at the same time by taking courses from Ohio Colleges or Universities. The purpose of this program is to enhance students’ career readiness and postsecondary success, while providing a wide variety of options to college-ready students, at no or limited costs to students and families.

Milton-Union hosts two parent meetings every year regarding College Credit Plus, and highly encourage any families interested in the CCP program to attend.

Program Eligibility:

1. To be eligible for this educational option, the student must meet the entrance requirements as posted by the college.
2. Students must be officially accepted by the college/university.
3. Students must notify the Milton-Union School District of their intent to participate in its program by April 1st, of the current year. Any student who fails to provide notification in writing by this required date may not participate in the program during the following school year.

For information regarding the CCP Probation, Dismissal, and Appeals Process please visit ODE’s guidelines located [HERE](#).

DUAL ENROLLMENT:

Milton-Union High School offers, on its campus, College Credit Plus courses in several areas. College credit will be granted by Edison State Community College. CCP courses offered at the high school include:

Human Biology	BIO 124S (Human Biology)
Chemistry	CHM 110S (Introduction to Chemistry)
AP Language & Composition	ENG 121S (Composition)
AP Literature & Composition	ENG 123S (Introduction to Literature)
Honors US History	HST 122S (United States History since 1877)
AP Government & Politics	PLS 121S (American National Govt)
Pre-Calculus	MTH 128S (Pre-Calculus)
Honors Spanish III	SPN 121S (Spanish I)

ADVANCED PLACEMENT COURSES

MUHS will offer the following Advance Placement (AP) courses:

AP Language Arts & Composition	Grade 11
AP Literature & Composition	Grade 12
AP Statistics	Grades 11 and 12
AP Calculus AB	Grades 11 and 12
AP Psychology	Grades 11 and 12
AP Government	Grade 12
AP Environmental Science	Grades 11 and 12
AP Music Theory	Grades 10, 11, and 12

AP Courses can be as challenging as introductory college courses. These courses are weighted on a 5.0 scale, so taking an AP class and getting a B is equivalent to taking a non-weighted course and getting an A. If you register to take the AP Exam and score a 3 or higher, you may be eligible to earn college credit.

HONORS DIPLOMA REQUIREMENTS

High School Academic Diploma with Honors <i>Students must meet all but one of the following criteria</i>	
Subject	Criteria
English	4 units
Mathematics	4 units
Science	4 units, including 2 units of Advanced Science
Social Studies	4 units
World Language	3 units, including at least 2 units in each language studied
Fine Arts	1 unit
GPA	3.5 on a 4.0 scale
ACT/SAT Score [excluding writing scores]	27 ACT / 1280 SAT

You do not need honors courses for an Honors Diploma

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:
 ½ unit physical education**
 ½ unit health
 ½ unit in American history
 ½ unit in government

**SB 311 allows school districts to adopt a policy exempting students who participate in athletics, marching band, show choir or cheerleading for two full seasons from the physical education requirement. Please see your counselor for a PE Waiver form.

Career-Technical Diploma with Honors <i>Students must meet all but one of the following criteria</i>	
Subject	Criteria
English	4 units
Mathematics	4 units
Science	4 units, including 2 units of Advanced Science
Social Studies	4 units
Foreign Language	2 units
Fine Arts	Not counted toward requirements
Career-Technical	Now counted in Electives
Electives	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship or be part of an articulated career pathway which can lead to post-secondary credit.
GPA	3.5 on a 4.0 scale
ACT/SAT Score [excluding writing scores]	27 ACT / 1280 SAT
Field Experience	Complete a field experience and document the experience in a portfolio specific to the student's area of focus.
Portfolio	Develop a comprehensive portfolio of work based on the student's field experience of a topic that is related to the student's area of focus.
Additional Assessments	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career-Technical Competency Assessment or equivalent.

ATHLETIC ELIGIBILITY

ACADEMIC STANDARDS

- Students in grades 7 - 12 must be passing five credits during the preceding nine-week grading period. Students must obtain a 1.8 GPA for all courses taken during the preceding grading period. Athletes are not permitted to participate in practice or contests if ineligible at the beginning of the nine weeks. Eligibility is established the morning of the fifth school day.
- The student must pass an interim eligibility check consisting of passing all his/her courses
- Student athletes in grades 7–12 must be passing all their courses at mid-term. If the athlete is failing at the midterm, the athlete will be placed on academic probation for a week. If the student-athlete is passing all classes, he or she will no longer be on probation.
- The coach/advisor may establish additional criteria for membership in his/her group including attendance at a Study Table until the grade(s) have been raised to passing marks.

ATTENDANCE STANDARDS

- Students must arrive by 8:10 am to be eligible for extra-curricular activities unless they have notified the attendance office prior to 8:10 am and are excused upon arrival.
- Students who leave school and don't return to school due to illness are not eligible to participate in extra-curricular activities for that day.
- Students who leave school and return to school are eligible to play providing they have an excused absence.
- Students absent on Friday are eligible to participate on Saturday providing they have an excused absence.
- Participation is defined as playing in contests, practices, or any other extra-curricular activity.
- Excused is defined as having a doctor's note or a pre-approved appointment and or absence when arriving at school.
- The principal or athletic director has the final authority when ruling upon extra-curricular eligibility based on the listed standards.

Examples of Determining Student Eligibility – Grades 9-12

Passing grades must be received in a minimum of five one-credit courses, or the equivalent, in the immediately preceding grading period. To determine credit equivalency, multiply full-year courses by a factor of 1; semester courses by a factor of 2; twelve-week courses by a factor of 3; and nine-week courses by a factor of 4.

Example 1: 1st Nine-Week Grading Period

Subject	Grade	Credit & Duration	Factor	Credit Equivalency (Must Equal 5 Units or Equivalent)
English 10	C	1 - all year	1	$1 \times 1 = 1$
Spanish I	D	1 - all year	1	$1 \times 1 = 1$
Health	B	1/2 - semester	2	$1/2 \times 2 = 1$
Algebra	F	1 - all year	1	0
Computers	C	1/2 - semester	2	$1/2 \times 2 = 1$
Social Studies	C	1/2 - semester	2	$1/2 \times 2 = 1$
Total Credits				5 = eligible for 2nd grading period

Example 2: 4th Nine-Week Grading Period

Subject	Grade	Credit & Duration	Factor	Credit Equivalency (Must Equal 5 Units or Equivalent)
English	C	1 - all year	1	$1 \times 1 = 1$
O.W.E.	F	2 - all year	1	0
O.W.E.	D	1 - all year	1	$1 \times 1 = 1$
History	B	1 - all year	1	$1 \times 1 = 1$
P.E.	B	1/4 - semester	2	$1/4 \times 2 = 1/2$
Keyboarding	C	1/4 - 4th 9 weeks	4	$1/4 \times 4 = 1$
Total Credits				4 1/2 = ineligible for 1st grading period of next school year

COLLEGE CREDIT PLUS ELIGIBILITY

- All CCP students are required to take, between the post-secondary institution and the high school combined, a total of five one-credit credit bearing courses for length of the year (3 CCP Credit Hours = 1 HS Credit for full time student status purposes).
- However, all CCP student-athletes must take a combination of 5 credit hours **every semester** based on the calculations below. (1 CCP Class = 2 HS Credits for eligibility purposes)
- CCP Students are required to submit a [progress report](#) from their post-secondary institution at the time the high school's grading period is over.
- Please see below for example CCP eligibility calculations
- You are responsible for maintaining an adequate course load for eligibility. If you have any questions regarding eligibility, **please contact your school counselor.**

Post-Secondary Option – College Credit Plus

Note: If a student is taking all course work at the post-secondary institution under the College Credit Plus program, the calculation of equivalency has changed. Please note that in order for a CCP class to be used for determining eligibility for Bylaw 4-4-1, the class must count toward HS graduation.

In addition, students electing to enroll in CCP must be certain that 1.) The faculty members at the post-secondary institution understand that they will need to provide grades or a progress report at the time when the high school's grading period is over, and 2.) The student-athlete is taking enough course work at the post-secondary institution exclusively or between the post-secondary institution and the high school combined to be equivalent to five one-credit courses. Calculating equivalency of credits in the post-secondary institution is conducted in the same manner as in the high school, based on the Carnegie unit. **College courses for which three or more semester hours of credit are earned shall be awarded one Carnegie unit. Fractional Carnegie units will be awarded proportionately. This means that courses which are four, five, six or even seven hours of credit receive just one Carnegie unit.** Examples of CCP options:

-1-

Example 1: 1st Nine-Week Grading Period

<u>Subject</u>	<u>School</u>	<u>Credit & Duration</u>	<u>Credit Equivalency (Must Equal 5 Units or Equivalent)</u>
History	High	1 (year course)	1 x 1 = 1
Literature	CCP	3 semester hours	1 x 2 = 2
Calculus	CCP	5 semester hours	1 x 2 = 2
Biology	CCP	3 semester hours	1 x 2 = 2
Total Credits			7 = eligible for 2nd grading period provided all courses passed

The factor of 2 is used for post-secondary institutions that are on the semester system.

Example 2: 4th Nine-Week Grading Period

<u>Subject</u>	<u>School</u>	<u>Credit & Duration</u>	<u>Credit Equivalency (Must Equal 5 Units or Equivalent)</u>
French	CCP	5 semester hours	1 x 2 = 2
Sociology	CCP	3 semester hours	1 x 2 = 2
Computers	CCP	2 semester hours	.67 x 2 = 1.34
Geology	CCP	3 semester hours	1 x 2 = 2
Total Credits			7.34 = eligible for 1st grading period of next school year provided all courses passed

The factor of 2 is used for post-secondary institutions that are on the semester system. Note that this student is taking all courses at the post-secondary institution, which is acceptable.

CAREER TECH PROGRAMS

MIAMI VALLEY CAREER TECHNOLOGY CENTER SATELITE PROGRAMS

Milton-Union High School has the opportunity to offer three Satellite Programs from the Miami Valley Career Technology Center - Agricultural and Environmental Systems, Business, and Engineering.

These programs are Tech Prep programs through Sinclair, where students can earn a \$3,000 scholarship to Sinclair Community College after completing the following:

- Complete a minimum of two courses in the same program (Ag, Business, or Engineering).
- Be enrolled in a tech prep class during the student's senior year.
- Earn a 2.25 cumulative GPA at the end of their senior year.

MIAMI VALLEY CAREER TECHNOLOGY PROGRAMS AVAILABLE TO JUNIORS AND SENIORS AT MVCTC

ADVANCED MANUFACTURING

Pre-Engineering
Precision Machining
Robotics & Automation
Welding

Computer Repair & Technical Support
Drones and GIS Technologies
Medical Office Management
Pre-Law and Legal Studies
Sports Management & Marketing

AGRICULTURE

Agriculture & Livestock
Animal Care & Management
Diesel Power Technologies
Natural Resource Management
Retail Agriculture Services
Veterinary Science

HEALTH

Biotechnology
Dental Assisting
Health Occupations
Medical Lab Assisting
Pre-Nursing
Sports Medicine

ARTS & COMMUNICATION

Digital Design
Graphic Commercial Art
Graphic Commercial Photography
Media & Video Production

HUMAN SERVICES

Cosmetology
Culinary Arts
Early Childhood Education
Hospitality Services

BUILDING & CONSTRUCTION

Architectural Design
Construction Carpentry
Electrical Trades
Heating, Ventilation, & Air Conditioning (HVAC)
Heavy Equipment Operator

PUBLIC SAFETY

Criminal Justice
Firefighter/EMS

BUSINESS & INFORMATION TECHNOLOGY

Business Ownership
Computer Coding & Web Applications
Computer Networking & Cyber Security

TRANSPORTATION SERVICES

Auto Collision
Auto Services
Automotive Technology
Aviation Maintenance Tech

COURSE CATALOG

GENERAL EDUCATION COURSES

ART:

Art I

Credit 1 credit – all year
Grades 9, 10, 11, 12
Prerequisite None
***A fee may be required**

This is a beginning course for students interested in Art. A variety of art techniques will be studied. The first nine weeks will be spent drawing. The remaining three nine-week periods will be spent working in various areas such as: ceramics, design, chalk/oil pastels, tempra/acrylic painting, printmaking & watercolor. Students should have an active imagination and a willingness to experiment and create. Long term projects will be assigned. Students will be tested in each area over terms, artists and procedures. Project grades will be based on evidence of an understanding of technique and effort. Students will be taught at the level of their ability.

Drawing I and Painting I

Credit ½ credit – semester
Grades 10, 11, 12
Prerequisite Art I
***A fee may be required**

Students will explore drawing techniques in pencil, charcoal, pastel among other drawing mediums on various surfaces. Students will also study acrylic & oil painting as well as watercolor techniques with a variety of subject matter.

Drawing II and Painting II

Credit ½ credit – semester
Grades 10, 11, 12
Prerequisite Art I and Drawing I/Painting I
***A fee may be required**

Students will explore drawing techniques in pencil, charcoal, pastel among other drawing mediums on various surfaces. Students will also study acrylic & oil painting as well as watercolor techniques with a variety of subject matter.

Ceramics & Sculpture I

Credit ½ credit – semester 1
Grades 10, 11, 12
Prerequisite Art I
***A fee may be required**

Students will be exposed to various hand-building, wheel throwing, mold making and decorating techniques during these courses.

Ceramics & Sculpture II

Credit ½ credit – semester
Grades 10, 11, 12
Prerequisite Art I, Ceramics & Sculpture
***A fee may be required**

Students will be exposed to various hand-building, wheel throwing, mold making and decorating techniques during these courses.

Art thru Fashion

Credit ½ - semester or 1– all year

Grades 9, 10, 11, 12

Prerequisite None

***A fee may be required**

This class will study different designers such as Coco Chanel and Givenchy as well as how the clothing industry is marketed to teenagers. We will examine how innovative technology has influenced the textile industry and thus fashion. Students will learn basic hand sewing such as how to sew a button, sew a running stitch, and how to hem while designing and up-cycling fashion and progress onto machine sewing. Supplies needed are basic sewing materials and tools and some articles of clothing for repurposing. Students will need sewing needles, thread, sewing scissors to start the class. Students will be given a minimum of 3 weeks to acquire fabric for projects. In the past we have made Ugg-style booties, kimonos/cardigans, handbags and book bags, as well as neckties and small zippered pouches.

Art History

Credit ½ semester or 1 – all year

Grades 9, 10, 11, 12

Prerequisite None

This class will study early and ancient art with an in-depth study of the Northern Renaissance, Italian Renaissance, and Impressionism. Students will learn about artists and their art in these movements.

ENGLISH:

	General Pathway (Career Tech/2 YR School)	Accelerated Pathway (4 YR/Highly Selective College)
Grade 9	English 9 or CP English 9	Advanced English 9
Grade 10	English 10 or CP English 10	Honors English 10
Grade 11	English 11 or CP English 11	AP Language & Composition/ENG 121S (Composition)
Grade 12	English 12 or CP English 12	AP Literature & Composition/Eng 123S (Intro to Lit)

GENERAL PATHWAY ENGLISH

English 9

Credit 1 credit – all year
Grades 9
Prerequisite Completion of 8th grade ELA
***A fee may be required**

This course will concentrate on basic reading and writing skills. English 9 will focus on short stories, non-fiction, novels and poetry. Using grade appropriate texts students will build vocabulary skills and improve reading comprehension.

CP English 9

Credit 1 credit – all year
Grades 9
Prerequisite Completion 8th grade ELA
***A fee may be required**

This is a survey of various authors and writing styles. Language Arts will be studied through activities that incorporate reading, writing, listening, viewing, and speaking skills. Students will study several major literary works including *Romeo and Juliet* and classic novels. Writing skills will be emphasized.

English 10

Credit 1 credit – all year
Grades 10
Prerequisite Completion of 9th grade
***A fee may be required**

This course will concentrate on furthering basic reading and writing skills. English 10 will focus on short stories, non-fiction, drama, poetry, and novels. Using grade-appropriate texts, students will build vocabulary skills and improve reading comprehension. Students will build technical writing skills through completion of a variety of writing assignments. This course will address the reading and writing skills needed for successful passage of state-mandated assessments. Research project required.

CP English 10

Credit 1 credit – all year
Grades 10
Prerequisite Completion of 9th grade ELA
***A fee may be required**

This course is designed to improve written and oral communication with American Literature as a background. Different genres of literature from the founding of America to the 1850's are read and discussed. The American heritage is an important focal point while the values arising from this heritage are stressed. The student reads, analyzes, and writes various types of discourse as well as works on a group project. A major component of this class will be the preparation for the reading and writing portions of the OGT.

English 11

Credit 1 credit – all year
Grades 11
Prerequisite Completion of 10th grade ELA
***A fee may be required**

This course is designed for students planning to enter the workplace, certificate programs, or community college after high school, preparing them with crucial skills necessary to gain employment after graduation. This American literature concentrates on becoming better readers and writers as we examine the concept of the American Dream. Through this these, students will:

- Explore the historical and literary foundations of the American Dream.
- Examine rhetorical choices through persuasive literature and speeches.
- Study arguments in the world around us for their use of logical reasoning and sound evidence.
- Observe how historical and social context shape a work's literary elements.
- Continue to build their vocabulary using Membean.
- Prepare for the SAT through Khan Academy SAT Practice.

Using grade-appropriate speeches, plays, journalism, and novels, students will build their vocabulary, expand their toolbox of reading comprehension strategies, and develop their voice as a writer.

CP English 11

Credit 1 credit – all year
Grades 11
Prerequisite Completion of 10th grade ELA
***A fee may be required**

This course is designed for students planning likely to attend local universities, community colleges, certificate programs, or trade schools after high school. This survey of American literature concentrates on becoming better readers, writers, and thinkers as we examine the concept of the American Dream. Through this theme, students will:

- Explore the historical and literary foundations of the American Dream by defining complex ideas, such as patriotism and liberty.
- Examine rhetorical choices through persuasive literature (*The Crucible*) and landmark speeches.
- Distinguish between arguments that use careful reasoning based on sound evidence and those that use manipulation, biased language, and fallacious reasoning, using editorial writing and satire as our key models.
- Observe how historical and social context shape a work's literary elements.
- Continue to build their vocabulary using Membean.
- Prepare for the SAT through Khan Academy SAT Practice

Students will build their vocabulary, expand their toolbox of reading comprehension strategies, develop their voice as a writer for various rhetorical situations, and grow as a confident public speaker.

Purchase of novels may be included in school fees. Springboard III curriculum will be used throughout the course.

English 12

Credit **1 credit – all year**
Grades **12**
Prerequisite **Completion of 11th grade ELA**
***A fee may be required**

This course is specifically designed for students planning to enter the workplace, certificate programs, or community college after high school. In this course, students will gain crucial skills necessary to gain employment after graduation. In this course, students will read and analyze books, short stories, essays, and poems. Students will explore the concept perspectives. Through this theme, students will:

- Create a resume, cover letter, and practice interviewing.
- Examine contemporary literature.
- Study and observe arguments in the world around us.
- Meet several employers, trade school recruiters, and other relevant speakers from the area in to discuss opportunities in their businesses and programs.
- Complete Ohio Means Jobs Graduation Seal.
- Partner with an elementary class to become reading buddies for the year.
- Read selections from around the world to examine cultural perspectives and experiences.
- Continue to build their vocabulary using Membean.

Purchase of novels may be included in school fees. Springboard IV curriculum may be utilized throughout the year.

CP English 12

Credit **1 credit – all year**
Grades **12**
Prerequisite **Completion of 11th grade ELA**
***A fee may be required**

This course is specifically designed for students planning to enter community college or certificate programs directly after high school. In this course, students will read and analyze books, short stories, essays, poems, and speeches in order to explore the concept perspectives in the world. Through this theme, students will:

- Create a resume, cover letter, and practice interviewing.
- Examine British and contemporary literature.
- Study and observe arguments in the world around us and write their own Op-Ed after doing in-depth research.
- Meet local college admissions recruiters, community college recruiters, trade school recruiters, military recruiters, and other relevant speakers in to share about opportunities they can offer students.
- Read non-fiction selections from around the world to examine cultural perspectives and experiences.
- Continue to build their vocabulary using Membean.

Purchase of novels may be included in school fees. Springboard IV curriculum will be used throughout the course.

ACCELERATED PATHWAY ENGLISH

An advanced English course will be offered at each level for college-bound students. These advanced courses are designed for the student who enjoys being academically challenged. Students selected for Advanced English 9, Honors 10, AP Language, and AP Literature will be required to complete summer work before the course begins. Failure to do summer reading will result in a significantly lower grade.

Advanced English 9

Credit **1 credit – all year**
Grades **9**
Prerequisite **Completion of 8th grade ELA
and teacher recommendation**
***A fee may be required**

This course covers the same units as English 9, but emphasis will be placed on in-depth analysis of the literature. Challenging writing assignments, including a critical analysis, will be introduced. Summer reading will be required for this

Honors English 10

Credit **1 credit – all year**
Grades **10**
Prerequisite **Completion of 9th grade ELA
and teacher recommendation**
***A fee may be required**

Although some work may overlap with College Prep 10, this is a college preparatory course specifically designed to prepare students to take AP courses at the junior and senior levels. Students in this course will be expected to manage and engage in challenging reading of World Literature from a variety of time periods and writing assignments which will require in-depth analysis, evaluation, and synthesis. The course also includes advanced mechanics, syntax, usage, and vocabulary in preparation for college and future AP coursework. This course requires a summer reading assignment and is best for students who can accept the challenge of fast pacing and minimal direction.

Advanced Placement (AP) Language and Composition/ College Credit Plus

Credit **1 credit – all year**
Grades **11**
Prerequisite **Completion of 10th grade ELA
and teacher recommendation**
***A fee may be required**

This course is designed for students who intend to pursue a university education and who are prepared to accept the challenge of a college-level course. AP English Language and Composition course focuses on the decisions writers make as they write and revise, with a focus on nonfiction. Students read and analyze rhetorical elements and their effects in nonfiction texts – including images and media as forms of text – from a range of disciplines and historical periods. They then make similar rhetorical choices in their own writing and arguments, which are often supported by research students have evaluated and synthesized.

This reading and writing intense course will require students to do some work outside of class, including a summer reading assignment. Students should ensure they are ready for this college-level course by completing the Ready for AP Checklist, getting their English 10 teacher's recommendation, and passing the requisite state testing.

Students can earn college credit for this course by taking the AP Exam in May and/or registering for dual-credit through Edison. This course curriculum correlates to key writing tasks to align with requirements for Edison's ENG121S Composition I course. The purchase of books may be included in school fees.

Advanced Placement (AP) Literature and Composition/College Credit Plus

Credit	1 credit – all year
Grades	12
Prerequisite	Completion of 11th grade ELA and teacher recommendation

***A fee may be required**

RECOMMENDATION: successful completion of advanced placement English language and composition or comparable CCP course. (Final placement decisions may be at the discretion of administration or designees.)

The AP Literature and Composition course is designed for students who intend to pursue a university education and who are prepared to accept the challenge of a college-level course. This course emphasizes close reading and analysis of complex novels, short stories, poems, and plays. The course is both reading and writing intensive, and students will develop their skills in written and literary analysis of various genres and movements of literature. Students will be expected to complete a summer analysis assignment. Students should expect to have homework on a regular basis. To receive a weighted grade, a student must sit for and complete the end of course examination as well as completing internal assignments. Students who take the AP exam in year-long classes will be exempt from the final exam for the course. The second semester grade will be calculated on the basis of the third and fourth quarter averages.

ENGLISH ELECTIVES

Yearbook

Credit	1 credit – all year
Grades	10,11,12
Prerequisite	None

The groundwork for producing a successful yearbook will be covered in this course – particularly planning and financing. Students will be responsible for marketing the yearbook and selling advertisements to fund the yearbook. Students will learn the fundamentals of layout, copy writing, proofreading, and editing. An introductory emphasis on Online-Design will also be an integral part of this course with the school yearbook as the students' combined project for the class. Students will be required to work outside of class in order to meet course requirements.

Young Adult Literature

Credit	½ credit - semester
Grades	9,10,11,12
Prerequisite	None

The course will explore the origin and evolution of the Young Adult (YA) literature genre, the role of YA literature in education, and its impact on society. Students will learn about the major genres of YA literature and will study YA literature with emphasis on form, vocabulary study, and literary analysis. This class is reading-intensive with approximately 3-4 full length novels read throughout the semester.

College and Career Exploration

Credit	½ credit - semester
Grades	9,10,11,12
Prerequisite	None

This course is designed for freshmen and sophomores to help them make informed decisions and get a head start on their options after graduation. One quarter will be spent exploring which jobs are good matches for your interests, learn about workplace expectations, prepare resumes, and job applications, participate in practice interviews, and prepare to take recognized work-readiness assessments. The second quarter will be spent delving into college search tips, college research and campus visits, study skills, learning college terminology, and preparing to take the ACT/SAT. This elective course shall not replace any of the required English courses.

Creative Writing

Credit	½ credit - semester
Grades	9,10,11,12
Prerequisite	None

Free the author inside of you by tapping your imagination and creativity through writing! Students will find their own voice through a personal exploration of different genres and writing styles. Creative works by a variety of authors will be studied to help enable students to develop their own style. The focus of the course is for students to engage in the steps of the creative process and to produce their own original works.

Media Literacy

Credit ½ credit - semester
Grades 9,10,11,12
Prerequisite None

Fake news, propaganda, clickbait, bias, misinformation, disinformation, targeted advertising—they are all used to get us, as media consumers to think, act, or buy something. In the modern information age of the Internet, it is important to be able to understand how media is constructed so that we, as media consumers, can sift truth from lies and protect ourselves and our agency. In this class, we'll examine modern journalism, advertising techniques, digital security, copyright and fair use laws, digital relationships and profiles, and digital balance on and offline.

Mystery & Horror

Credit ½ credit - semester
Grades 9,10,11,12
Prerequisite None

This elective will serve as an introductory study of the popular genres of mystery and horror stories. Suspense writing, analytical thinking, and entertaining characters will be studied. Students will analyze how mystery and horror stories can instill fear, anxiety, and revulsion in a reader. Searching for the details and style that make these stories so interesting, students will analyze both novels and movie counterparts. The course is designed for students who love to read, who are eager to discuss, and who are capable of maintaining challenging reading assignments.

Speech and Debate

Credit ½ credit - semester
Grades 9,10,11,12
Prerequisite None

Ever gotten into an argument online, with your friends, or with your parents, and felt like you lost? (Or thought of that perfect argument the next day and felt disappointed you didn't think of it in the moment?). Ever felt butterflies or your throat close up at even the thought of having to present in class? Take speech & debate! This class provides safe opportunities to practice public speaking and engaging in open debate (both in person and digitally). Learn to craft on-point arguments, do deep research, and improvise concessions and rebuttals so you can participate in civil discussions to develop solutions to problems, judge what is good or of value, and determine what makes truth. Should the voting age be lowered to 16? Is Taylor Swift the greatest music artist of our age? Is a hot dog a sandwich? You decide.

WORLD LANGUAGE:

GENERAL PATHWAY SPANISH

Spanish I

Credit 1 credit – all year
Grades 9,10,11,12
Prerequisite None
***A fee may be required**

In Spanish I students do much speaking in Spanish as they learn vocabulary and basic grammar. They learn to understand and respond to Spanish phrases related to everyday situations. They are exposed to the different cultures of Spanish-speaking countries. Active participation in class activities is required, including speaking in front of the class.

Spanish II

Credit 1 credit – all year
Grades 10,11,12
Prerequisite Completion of Spanish I
***A fee may be required**

This is a continuation of Spanish I. Students learn more vocabulary and improve their ability to understand and use Spanish. A greater emphasis is placed on reading than in the first year. Students will be required to speak in front of the class. A student should not enroll in this class who did not have a C+ average in Spanish I.

ACCELERATED PATHWAY SPANISH

Honors Spanish III/College Credit Plus

Credit 1 credit – all year
Grades 11,12
Prerequisite Completion of Spanish I & II
***A fee may be required**

This course is project-based where students will work collaboratively and individually on writing, speaking, and presenting. A variety of projects that range from creating a storybook to cultural aspects and foods will be assigned. Students will continue the Spanish III curriculum and the projects will complement their language acquisition.

Honors Spanish IV

Credit 1 credit – all year
Grades 12
Prerequisite Completion of Spanish I, II, & III
***A fee may be required**

This course is offered when the student demand is sufficient. Students in Spanish IV are encouraged to learn to read in Spanish for pleasure and for information. The use of the language is extended to include more writing in Spanish. Emphasis is on acquiring more vocabulary and examining the fine points of grammar. Students will be reading at least one classical Spanish novel, as well as some short stories and magazine articles. Articles, stories, and novels will be rotated so that students will not do the same thing in Spanish III and then again in Spanish IV. Cultural focus is on all Spanish-speaking countries.

MATHEMATICS:

	General Pathway (Career Tech/2 YR School)	Accelerated Pathway (4 YR/Highly Selective College)
Grade 7		Algebra I
Grade 8		Algebra I or Honors Geometry
Grade 9	Algebra I	Honors Geometry or Honors Algebra II
Grade 10	Geometry	Honors Algebra II or Pre-Calc/CCP
Grade 11	Algebra II	Pre-Calc/CCP or AP Calculus
Grade 12	Intro to Stats or other year four math	AP Calculus or AP Statistics

GENERAL PATHWAY MATH

Algebra I

Credit **1 credit – all year**
Grades **9**
Prerequisite **Completion of 8th grade math**
***A fee may be required**

Algebra I is a course that will allow the student a basic understanding of the algebra principles, along with the integration of basic skills in geometry, data analysis, probability, and measurement required for success on the Ohio Graduation Test.

Course content will include the fundamental properties of algebra, equation solving strategies, operations on algebraic expressions, solving for systems of equations and inequalities, basic trigonometry, basic principles of coordinate geometry, laws of exponents, rational and irrational numbers. Applications of these concepts will also be integrated into this curriculum.

Geometry

Credit **1 credit – all year**
Grades **9, 10**
Prerequisite **Completion of Algebra I**
***A fee may be required**

Geometry is an academic mathematics course that will teach the student the basic concepts of geometry. It seeks to develop the student's appreciation of logical reasoning and

comprehensive knowledge of geometric shapes and relationships. The content of the course includes a study of points, lines, planes, angles, polygons, transformations, congruence, similarity, area, volume, and coordinate geometry. Along with this course, students may take Algebra II.

Algebra II

Credit **1 credit – all year**
Grades **9, 10, 11**
Prerequisite **Completion of Algebra I and Geometry**
***A fee may be required**

Students will review, refine, and build upon the algebraic principles developed in Algebra I and applied in Geometry. Students in the class will study matrices, systems of equations, radicals, quadratic equations and other functions, exponents and logarithms, and trigonometry. Algebra II is strongly recommended for all college-prep students. Students should expect to spend out-of-class time preparing for this class. Along with this course, students may take Geometry.

Access to a graphing calculator (TI-83 Plus) is highly recommended because this course uses technology to save computational time and to make visual connections between concepts using graphs. If the cost is a concern, one might be able to borrow or purchase a used calculator from another student.

Introduction to Statistics

Credit **1 credit – all year**
Grades **10, 11, 12**
Prerequisite **Successful completion of Alg. I,
Geometry, and Alg. II**
***A fee may be required**

Students will be learning about different situations in which statistics is used in daily situations, businesses, sports, commercials and much more.

Math Modeling and Reasoning

Credit **1 – all year**
Grades **11, 12**
Prerequisite **Successful completion of
Algebra I and Geometry**
***A fee may be required**

Description: This course is 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.

ACCELERATED PATHWAY MATH

Honors Geometry

Credit 1 credit – all year
Grades 9, 10
Prerequisite Completion of Algebra I and Teacher Recommendation

***A fee may be required**

This course will be for the students who have excelled in Algebra I. These students will be held responsible for all of the skills taught in prior courses and could expect minimal re-teaching of these skills. This will enable further coverage of topics in geometry including more extensive work with proof.

Honors Algebra II

Credit 1 credit – all year
Grades 9, 10, 11
Prerequisite Completion of Algebra I, Geometry, and Teacher Recommendation

***A fee may be required**

This course is designed for students who have excelled in Advanced Geometry or Geometry. Teacher recommendation is a requirement for this course. Students will study systems of equations, radical and rational expressions, functions (quadratic, polynomial, exponential, logarithmic, and trigonometric). Students will be accountable for the concepts taught in Algebra I and Geometry. A summer project may be required.

Pre-Calculus/College Credit Plus

Credit 1 credit – all year
Grades 10, 11, 12
Prerequisite Completion of Alg. I, Geometry, and Alg. II

***A fee may be required**

This is an academic course designed to prepare the student for college level work in math and science. The course will begin with a review of coordinate geometry, linear and quadratic functions, and inequalities. The course will then cover exponential, logarithmic and trigonometric functions. As time permits, the course will conclude with a look at discrete mathematics. A TI-83 plus (or equivalent) graphing calculator is required for this course. A graphing calculator is necessary in many computations and will be used on a daily basis.

AP Calculus - AB

Credit 1 – Full Year
Grades 10, 11, 12
Prerequisites Completion of Algebra I, Geometry, Algebra II and Pre-Calculus

***A fee may be required**

Description: AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP Calculus - BC

Credit **1 – Full Year**
Grades **10, 11, 12**
Prerequisite **Completion of Algebra I,
Geometry, Algebra II, Pre-Calculus and AP Calc
AB**
***A fee may be required**

Description: AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. AP Calculus BC covers more content than AP Calculus AB, though both courses require you to apply the same skills.

AP Statistics

Credit **1 credit – all year**
Grades **10, 11, 12**
Prerequisite **Completion of Alg. I, Geometry,
and Alg. II**
***A fee may be required**

The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring data
2. Sampling and experimentation
3. Anticipating patterns
4. Statistic inference

MISCELLANEOUS

FOCUS COURSES

Freshman Focus

Credit ½ Credit – Year Long
Grades 9
Prerequisite None

Freshmen Focus is an academically-based program designed to provide freshmen the ability to develop self-awareness and explore options for career choices. It is designed to teach skills for personal and academic success, the responsibilities and realities of adulthood, and to help students project themselves into the future by understanding the consequences of their actions today.

Freshman Focus Mentors

Credit ½ Credit – Year Long
Grades 11, 12
Prerequisite Advisor recommended

Freshman Focus Mentorship is available to juniors and seniors who complete the application process and receive advisor recommendation. Mentors plan activities, implement lessons plans, assist in developing organizational skills, and help run Freshman Focus Summer Camp under the guidance of advisors.

EARLY RELEASE/LATE ARRIVAL

Early Release

Requirement: Must be a senior or enrolled in CCP classes

Students may be eligible for Early Release (leaving early; excused from last period) if they have all credits required for graduation or are enrolled in a CCP class. To be eligible, the student must be scheduled full-time (at least 5 credits). Early Release is in lieu of study hall. The student must be passing all of his/her other courses. Potential course failure may result in withdrawal of Early Release for remedial work. Early Release may also be withdrawn for proficiency review. Students will only be granted Early Release if they are not scheduled for a class. Schedules will not be changed to accommodate Early Release. Credit bearing classes TAKE PRECEDENCE over Early Release -- NO EXCEPTIONS.

Late Arrival

Requirement: Must be a senior or enrolled in CCP classes

Students may be eligible for Late Arrival if they have all requirements for graduation or are enrolled in a CCP class. To be eligible, the student must be scheduled full-time (at least 5 credits). Potential course failure may result in withdrawal from Late Arrival. Students will only be granted Late Arrival if they are not scheduled for a class. Schedules will not be changed to accommodate Late Arrival. Credit bearing classes TAKE PRECEDENCE over Late Arrival – NO EXCEPTIONS.

Courses and instructors will be scheduled according to these course requests.

MUSIC AND PERFORMING ARTS

Band

Credit 1 credit – all year
Grades 9, 10, 11, 12
Prerequisite Successful Middle School Band experience or audition with director

***A fee may be required**

Band offers group performance during the year. This course includes Marching Band, Concert Band, and Pep Band with a required band camp and rehearsals prior to the start of school for Marching Band. The Marching Band rehearses outside of the school day in addition to a student led sectional once each week. Practices and performances at all football games, weekend contests and parades are mandatory and are graded.

The Concert Band will perform three concerts each year, in addition to contests and festivals in March and May. Students are also required to participate in solo & ensemble contest.

The Pep Band performs at all home basketball games in the winter and at pep assemblies.

Students are required to be in BOTH semesters of band. This is a full year course. Permission will not be given to leave the group once you have been accepted into the group for that school year.

Jazz Band

Credit 1 credit – all year
Grades 9, 10, 11, 12
Prerequisite Successful Middle School Band experience or audition with director

***A fee may be required**

Jazz Band is comprised of other instrumental music opportunities outside of the Concert Band that is related to the jazz idiom. The Jazz Band is the primary rehearsal ensemble for this class with concerts in winter and spring. The Jazz Band performs for community events and festivals throughout the year.

The Jazz Band is the competition ensemble for the Show Choir. Being a member of Jazz Band is to be part of the Show Choir's contest season and a commitment to be at necessary rehearsals and competitions.

AP Music Theory

Credit 1 credit – all year
Grades 9, 10, 11, 12
Prerequisite A foundational knowledge of basic pitch and rhythm reading is best, though not necessary for success in this class.

***A fee may be required**

Music Theory is a class designed to look into the structure of how music is created. Students will learn to read and write music as well as study music from different historical time periods. By the end of the class, students will understand basic structure of western music as well as be able to compose. The scope of the class will include classical tonal theory as well as 20th century techniques and post-tonal theory.

Chorale

Credit 1 credit – all year
Grades 9, 10, 11, 12
Prerequisite None
***A fee may be required**

Chorale is a concert choir that performs a combination of classical and contemporary choral repertoire. In this course, students will learn proper singing technique. They will learn how to read music and improve ear training skills. This choir performs in a concert at least once a quarter and does not have a regular after school rehearsal schedule. Additional performances may include OMEA Solo & Ensemble Competition, OMEA Large Group Contest, and other community events. Performances will require some after school commitments, but these commitments are minimal. Students will be required to purchase dress clothes according to the description given by the director.

Show Choir

Credit 1 credit – all year
Grades 9, 10, 11, 12
Prerequisite Successful audition in April/May of the preceding school year
***A fee may be required**

Show Choir provides a development of vocal, instrumental, dance, and dramatic presentation skills through public performance of contemporary literature. Costume and accessory fees as well as a commitment to public performances and a rigorous competition schedule are mandatory for class membership. Show Choir performance season includes second and third grading periods. Must attend show choir camp in the summer.

Drama I

Credit ½ credit - semester
Grades 9,10,11,12
Prerequisite None
***A fee may be required**

This course introduces and provides experience in all aspects of theatre arts. Students study basic principles of acting including character analysis, textual interpretation, voice, movement, collaboration, improvisation, and critical analysis of performance. Additionally, students gain a working knowledge of theatre history and the multiple forms of theatrical performance, as well as the technical aspects of theater and theatrical design. Special emphasis is placed on theatrical vocabulary and codes of conduct, as well as the creation, production, and direction of monologues and scenes.

Drama II

Credit ½ credit - semester
Grades 9,10,11,12
Prerequisite None
***A fee may be required**

Building on the background established in Drama I, students develop an understanding of theatre from different cultural and historical perspectives through playwriting, directing, scene study, monologues, emotional development, and performance technique. Students will work both cooperatively and independently on various aspects of theatre production, deepening their understanding of theatre and its foundations.

PHYSICAL EDUCATION AND HEALTH:

Physical Education 9

Credit ¼ credit – semester 1
Grades 9
Prerequisite None
***A fee may be required**

The class will cover a variety of team and individual sports at an introductory level. Students will also experience aerobic activities as well as weight training. Students are expected to dress and participate daily. Written and skill tests may be administered as well as small projects.

Physical Education 10

Credit ¼ credit – semester 1
Grades 10
Prerequisite None
***A fee may be required**

The class will cover a variety of team and individual sports at an intermediate level. Students are expected to dress and participate daily. Written and skill tests may be administered as well as small projects.

Health 10

Credit ½ credit – semester
Grades 10
Prerequisite None

The student will receive instruction in the following topics that are relevant to today's living environment: mental health, ATOD's (alcohol, tobacco, and other drugs), reproduction and life cycle, nutrition and fitness, and other public health issues.

Advanced Sports Education

Credit 1/4 credit – semester
Grades 9, 10, 11, 12
Prerequisite None
***A fee may be required**

This class is an enhanced version of the 9th and 10th grade Physical Education classes. Students will learn more specific skills, drills, and strategies in both team and individual sports. One day a week will be set aside for general fitness. Students are expected to dress and participate daily. Skill tests, written tests and projects may be administered during this semester course.

Strength and Conditioning

Credit 1/4 credit - semester
Grades 9,10,11,12
Prerequisite None
***A fee may be required**

This course is designed to give students the opportunity to learn fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training, power and speed exercises. Students will learn the fundamentals of strength training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

SCIENCE

	General Pathway (Career Tech/2 YR School)	Accelerated Pathway (4 YR/Highly Selective College)
Grade 8		Accelerated Physical Science
Grade 9	Physical Science	Honors Biology
Grade 10	Biology	Chemistry
Grade 11	Chemistry	Advanced/AP Science Course or CCP Science Course
Grade 12	Other Related Science Course	Advanced/AP Science Course or CCP Science Course

GENERAL PATHWAY SCIENCE

Physical Science

Credit 1 credit – full-year
Grades 9
Prerequisite None
***A fee may be required**

Physical Science serves as the introduction to high school science and is a requirement for graduation. Physical Science explores a broad range of study that focuses on non-living things. Various topics in physics, chemistry, and earth science will be studied.

Biology

Credit 1 credit – full-year
Grades 9, 10
Prerequisite Physical Science
***A fee may be required**

This life science course provides an overview to many introductory concepts of biology. The various topics that will be explored include environmental science, the cell theory, cell processes, cell structure, genetics, and evolution. This course will also explore the diversity and basic characteristics found in the kingdoms of life.

Earth Science

Credit 1 credit – full-year
Grades 10, 11, 12
Prerequisite Completion of Physical Science and Biology
***A fee may be required**

Earth Science is a course designed for students who have an interest in the study of the Earth's materials, resources, and processes. Students will conduct in-depth investigations in two broad areas: physical and historical geology. Topics associated with physical geology include gems and minerals, the rock cycle, plate tectonics, and renewable or nonrenewable resources. Topics associated with historical geology include the geologic time scale, principles of geology, and correlations. Inquiry-based laboratory investigations will comprise an important portion of the course.

ACCELERATED PATHWAY SCIENCE

Accelerated Physical Science

Credit 1 credit – full-year
Grades 9
Prerequisite Teacher Recommendation
***A fee may be required**

Physical Science serves as the introduction to high school science and is a requirement for graduation. Accelerated Physical Science explores a broad range of study that focuses on non-living things, at a faster pace and more in-depth than our Physical Science course. Various topics in physics, chemistry, and earth science will be studied. ***This class is by recommendation only.***

Honors Biology

Credit 1 credit – full-year
Grades 9, 10
Prerequisite Physical Science and Teacher Recommendation
***A fee may be required**

This life science course provides an overview to many introductory concepts of biology. The various topics explored include environmental science, the cell theory, cell processes, cell structure, genetics, and evolution. This course will also explore the diversity and basic characteristics found in the kingdoms of life. Topics are covered more in depth than a typical introductory biology course; consequently, students who take this course should have the ability to work independently in the laboratory setting and should have an interest in science.

Chemistry/College Credit Plus

Credit 1 credit – full-year
Grades 10, 11, 12
Prerequisite Completion of Algebra I and Biology
***A fee may be required**

Chemistry is designed for college bound students, and covers physical chemistry, elements, and compounds, writing and naming formulas, in-depth atomic structure, and bonding, writing and balancing equations, gas laws, acids and bases, and the organization of the periodic table. Laboratory experiments are used to make students apply various concepts learned in class. Students will need to analyze and interpret data as well as draw conclusions. **Students must furnish their own scientific calculator for this course.**

Honors Physics

Credit 1 credit – full-year
Grades 10, 11, 12
Prerequisite Completion of Algebra II and Chemistry
***A fee may be required**

Honors Physics provides students with the opportunity to explore and develop an understanding of their physical environment using rigorous mathematical tools. Students will study motion and mechanics, energy, momentum, fluids, heat, gravity, and elementary modern physics. Sound, light, electromagnetism are possible topics as well. Honors Physics should be taken by those students planning to enter college or technical school to pursue education related to math, science, or engineering.

Human Biology/College Credit Plus

Credit **1 credit – full-year**
Grades **10, 11, 12**
Prerequisite **Completion of Biology**
***A fee may be required**

This life science course provides an in-depth view into a variety of concepts in biology. The various topics that will be explored include a review of the characteristics of life, cell structure and function, and cell processes, including human genetics. This course will also investigate the relationship between structure and function by emphasizing human anatomy and physiology. Students who enroll in this course should have an interest in pursuing a science major in college or be considering a career in the medical field.

AP Environmental Science

Credit **1 credit – full-year**
Grades **11, 12**
Prerequisite **Completion of physical science,
1 life science, and 1 algebra
course, and teacher
recommendation.**
***A fee may be required**

The goal of AP Environmental Science is to learn about the natural world by participating in hands-on, laboratory and field investigations that observe both human-made and natural environmental problems in the local ecosystem. This course incorporates topics from geology, biology, chemistry, and geography to help students better understand our natural systems and to critically think about environmental issues and potential solutions. Students will have the opportunity to take an AP Exam at the end of the school year in May. Students who earn a qualifying score on an AP Exam are typically eligible to receive college credit and/or placement into advanced courses in college.

SOCIAL STUDIES

It is the belief of the social studies department that certain knowledge and concepts are important for the attainment of a satisfying, contributory, and participatory life. These concepts fall within four broad categories in the social studies: American cultural, political, and economic studies, global studies, and behavioral studies.

	General Pathway (Career Tech/2 YR School)	Accelerated Pathway (4 YR/Highly Selective College)
Grade 9	World History	World History
Grade 10	US History	Honors US History
Grade 11	Elective Social Studies	AP Psychology or Other Advanced Social Studies
Grade 12	Government/Econ	AP Government

GENERAL PATHWAY SOCIAL STUDIES

Modern World History

Credit 1 credit – full-year
Grades 9
Prerequisite None
***A fee may be required**

This course 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.

Integrated United States History

Credit 1 credit – full-year
Grades 10
Prerequisite Modern World History
***A fee may be required**

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. 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.

Government

Credit ½ credit – semester 1
Grades 11, 12
Prerequisite Modern World History and
 USH

***A fee may be required**

How the American people govern themselves at national, state, and local levels of government is the basis for this course. Students can impact issues addressed by local governments through service learning and senior projects.

Government covers background and structure of various levels and branches of government in the American political system. The political behavior of voters, members of political parties and interest groups, and elected and career officials is covered. Also covered are the principles of limited government, constitutional supremacy, popular sovereignty, rule of law, separation of powers, federalism, and protection of rights. A look at state and local government will occur, and current events will be emphasized as they relate to the functioning of government. This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

Economics

Credit ½ credit – semester 2
Grades 11, 12
Prerequisite Modern World History and
 USH

***A fee may be required**

How the American people govern themselves at national, state, and local levels of government is the basis for this course. Students can impact issues addressed by local governments through service learning and senior projects.

Economics focuses on such basic topics as economics as a social science; the behavior of business firms and nonprofit organizations with respect to competition and the various market conditions; the role of labor and government; the role of financial institutions; national income accounting and statistics, comparative economic systems; and the fundamental economic problems facing the nations of the world today. The concepts of supply, demand and free enterprise are discussed in-depth and reinforced throughout the text.

ACCELERATED PATHWAY SOCIAL STUDIES

Honors Integrated United States History/College Credit Plus

Credit 1 credit – full-year
Grades 10
Prerequisite Modern World History and
 Teacher Recommendation

***A fee may be required**

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. 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.

Students should be prepared to employ regular study habits and a willingness to participate actively in the processes of historical investigation, which includes reading, research, and critical thinking. Chapter projects will be given along with essay tests and a comprehensive final exam. This course is writing intensive.

AP US Government and Politics/College Credit Plus

Credit 1 credit – full-year
Grades 11, 12
Prerequisite Modern World History and
 USH

***A fee may be required**

A well-designed AP course in United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. While there is no single approach that an AP United States Government and Politics course must follow, students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Certain topics are usually covered in all college courses.

SOCIAL STUDIES ELECTIVES

World Cultures

Credit ½ – semester or 1 – full-year
Grades 9, 10, 11, 12
Prerequisite None

This course will study non-Western societies and cultures. Students will explore geography, foods, religions, traditions, festivals, holidays, family structures and current events of the non-Western regions that will be studied. Students will compare the cultures being studied to the United States.

Current Events

Credit 1 credit – full-year
Grades 10, 11, 12
Prerequisite None

Current Events deals with local, state, national and international events. The class will research and create videos to be shown school wide on a variety of subjects.

Geography

Credit ½ – semester or 1 – full-year
Grades 10, 11, 12
Prerequisite None

In this class we will learn the physical geography of the seven continents. The material will be covered in regions beginning with North America, Central America, Europe, North Africa & the Middle East, Sub Saharan Africa, South Asia, Central & East Asia, Australia, and Antarctica. In the physical realm it will cover major rivers, lakes, mountains, Forest, etc...In each region political boundaries will be discussed along with the human geography. Also, how geography has affected human history.

The Sixties (1860/1960)

Credit ½ credit – semester
Grades 9, 10, 11, 12
Prerequisite None

This course will examine the events of two critical periods in American History: the 1860's and 1960's. The primary focus of the course will be an in-depth study of the Civil and Vietnam wars. The students will be able to identify the similarities and the differences, the causes, and results of these two important decades in American History.

The Seventies

Credit ½ credit – semester
Grades 9, 10, 11, 12
Prerequisite None

The Seventies will explore the post-Watergate period when upheaval from the scandal continued to disrupt American Society. It will explore the change in attitude towards American politics, the civil rights struggle, the changes in the Cold War world, the economic problems faced by our country, and the energy crisis and its' impact on our national economy. The change in direction of the American Space Program, our venture into a new role as a world peacekeeper and the attempt by America to end our involvement in the Vietnam conflict will be covered.

The American Civil War

Credit ½ credit – semester
Grades 9, 10, 11, 12
Prerequisite None

This course is an in-depth look into the most important event in US History. The course covers the period leading up to the war through the start of Reconstruction. Students will learn about the social, political, and military aspects of the war and how this event shaped the nation we live in today. Overall strategies for the North and South will be discussed in-depth as well as tactics from several specific battles.

Sports and Cultural History

Credit ½ credit – semester
Grades 9, 10, 11, 12
Prerequisite None

Sports and Cultural History will examine the use of sports within cultures throughout most of known history. From the Roman Empire to the modern-day United States, sports have always had social implications. Understanding the cultural reflections and ties that sports have had in various eras throughout history will provide a new lens of historical analysis to examine societal and cultural trends. This course will focus on sports in the ancient world, sports in medieval times, and sports in the modern world. The development of the Olympics will also be examined, as connections will be made to the modern globalized world.

American Military History

Credit ½ credit – semester
Grades 9, 10, 11, 12
Prerequisite None

Semester Course that details the historical facts that are not part of what is covered in regular history classes. This course will study the major wars fought by the United States. Wars that will be emphasized are: American Revolution, Civil

War, World War I and II, Korean and the Vietnam War. This course will study battles, blunders, maneuvers, innovations, leaders, failures, and victories. (Geography Components) Basic map skills, fundamental concepts of physical and cultural geography, and place name identification will be taught as they relate to Military History.

History of Rock and Roll

Credit ½ credit – semester
Grades 9, 10, 11, 12
Prerequisite None

You will explore modern instruments, the recording industry, the evolution of popular and rock music, music and the media, and the role music plays in our society. The course is designed to provide a historical perspective and insight into popular music of the twentieth century. Students will gain knowledge of rock and roll roots, and will explore artists throughout the decades that have influenced the art form.

Psychology

Credit ½ credit – semester 1
Grades 11, 12
Prerequisite At least 2 social studies credits

Psychology is the study of the factors and forces that shape the individual human being. In psychology, the student will study those things that make the individual human like and different from all other humans. Topics to be covered will include learning, development, personality, mental health and altered states of consciousness, and abnormal psychology.

Sociology

Credit ½ credit – semester 2
Grades 11, 12
Prerequisite 1st semester psychology

Students will learn the basic phenomena and processes of social life: culture, socialization, deviance, social institutions (family, economy, education, religion, and military) bureaucratization, collective behavior, social inequality, race, ethnicity, class, gender, and sexuality. Analysis of the interplay between the person and social groups.

AP Psychology

Credit 1 credit – full-year
Grades 11, 12
Prerequisite at least two social studies credits
***A fee may be required**

Students will be introduced to the systematic and scientific study of the behavioral and mental processes of humans and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfield within psychology. Students assess some of the differing approaches adopted by psychologists, including the biological, behavioral, cognitive, humanistic, psychodynamic, and sociocultural perspectives. Students will also examine and discuss current psychological issues facing individuals currently. This course aims to provide students with a learning experience equivalent to that obtained in a typical, one-semester introductory college psychology course.

Sports & Media

Credit 1 credit – full-year
Grades 9, 10, 11, 12

The sports and media class will be project based. It will revolve around running, updating, and developing the Milton-Union Athletic Website. Students will be in charge of updating the website with results from all of the athletic teams. Also updating scheduled events, promoting upcoming games, highlighting athletic accomplishment of Milton-Union Athletes. Including coach and player interviews, video highlights, and linking all work to social media sites. Uploading stats and records for all of the athletic teams.

WORK READINESS COURSES

Foundations of Business

Credit 1
Grades 9, 10, 11, 12
Prerequisite None

***A fee may be required**

In this introductory business course the student will gain a fundamental understanding of business ethics, economics, entrepreneurship, finance and marketing. Using Microsoft Office applications, the student will be given the opportunity to apply knowledge of basic business planning and operations. This course is designed to provide a broad overview of business and the economic environment in which it operates.

Financial Literacy

Credit ½ credit – semester
Grades 11, 12
Prerequisite None

***A fee may be required**

Financial Literacy provides a foundation for what all students should know and gives students the skills needed for them to be informed and savvy consumers in today's fast paced and ever-changing society. Financial Literacy incorporates the following topics: financial responsibility and decision-making, planning and money management, informed consumer, investing, credit and debt, and risk management and insurance.

Credentialing Capstone

Credit 2
Grades 12
Prerequisite None
***A fee may be required**

Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. The first semester of this course provides students with the opportunity to obtain various industry credentials or certifications that can benefit the student in their future professions. These credentials can include, but are not limited to, OSHA 10, CPR, Rise Up and NCCER Core Credential. Students will also complete the Ohio Means Jobs Readiness Seal. The second semester can include mentorship employment, cooperative education, apprenticeships, and internships. Students who work under a mentor agreement with a local business partner can use their time and skills developed at work towards credits needed for graduation.

Future Ready

Credit No Earned Credit
Grades 10, 11, 12
Prerequisite None

This non-credit bearing course allows students to complete online credit recovery coursework under the guidance of a classroom teacher.

Future Ready Math

Credit **No Earned Credit**

Grades **10, 11, 12**

Prerequisite **None**

This non-credit bearing course allows students to complete online credit recovery coursework in the area of math under the guidance of a math teacher.

MVCTC SATELLITE PROGRAM COURSE

Milton-Union High School has the opportunity to offer three Satellite Programs from the Miami Valley Career Technology Center – Agricultural and Environmental Systems, Business Academy, and Engineering.

AGRICULTURE & ENVIRONMENTAL SYSTEMS

Agriculture, Food and Natural Resources

Credit **1 credit – full-year**
Grades **9, 10, 11, 12**
Prerequisite **None**
***A fee may be required**

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the breadth of the Agricultural and Environmental Systems career field. Students will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. In addition, students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and record keeping skills.

Animal and Plant Science

Credit **1 credit – full-year**
Grades **10, 11, 12**
Prerequisite **Agriculture, Food, and Natural Resources**
***A fee may be required**

In this course, students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to animal body systems, plant structures along with the growth and reproductive practices of both. Students will evaluate conditions of animals and plants for their general welfare.

Business principles will be examined along with the professional skills needed for success in these career areas.

Agricultural and Environmental Systems Capstone

Credit **1 credit – full-year**
Grades **11, 12**
Prerequisite **Agriculture, Food and Natural Resources & Animal and Plant Science**
***A fee may be required**

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships, and internships.

Mechanical Principles

Credit **1 credit – full-year**
Grades **11, 12**
Prerequisite **Agriculture, Food and Natural
Resources & Animal and Plant
Science**

***A fee may be required**

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small, air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills. Students will also have the opportunity to learn about OHV Briggs and Stratton Engines.

Agriculture Business Management – (Independent Study)

Credit **1 credit – full-year**
Grades **11, 12**
Prerequisite **Agriculture, Food and Natural
Resources & Animal and Plant
Science**

***A fee may be required**

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion, and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

BUSINESS

Office Management

Credit **1 credit – full-year**
Grades **9, 10, 11, 12**
Prerequisite **None**
***A fee may be required**

Students will work with Microsoft Office including Word, Excel, PowerPoint, and Access. Students will have the opportunity to test for Microsoft Office Specialization Certification for Word and PowerPoint. Students will participate in Business Professionals of America in this course.

Business Management & Principles

Credit **1 credit – full-year**
Grades **10, 11, 12**
Prerequisite **None**
***A fee may be required**

This is the first course specific to the Business and Administrative Services career field. It introduces students to the specializations offered in Business and Administrative Services. Students will obtain fundamental knowledge and skills in general management, human resources management, operations management, business informatics and office management. They will acquire knowledge of business operations, business relationships, resource management, process management and financial principles. Students will use technological tools and applications to develop business insights. Students will participate in Business Professionals of America in this course.

- Tech Prep Credit: Sinclair MAN 1107 – Foundations of Business (3 Semester Hours)

Personal Finance

Credit **1 credit – full-year**
Grades **10, 11, 12**
Prerequisite **None**
***A fee may be required**

Overview of the theories, concepts, principles, and processes of personal financial management, with emphasis on everyday financial decision-making. Acquire knowledge of business processes, economics, and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership, communication, and personal financial literacy will be addressed.

*Business Professionals of America (BPA) is an integral part of the curriculum and co-curricular. Students enrolled in any business class are required to become BPA members for a fee of \$26 unless it is a course required for graduation then it is a choice. Students enrolled in more than one course during a year pay only 1 membership fee.

Business Capstone Course- Senior Level Only

Credit **1 credit – full-year**
Grades **12**
Prerequisite **2 prior business courses**
***A fee may be required**

Students participating in this business capstone course will have the opportunity to apply their business knowledge acquired in previous class to an actual business. Students will be responsible for operating a T-shirt and accessory business in this class. They will be required to write a business plan for the operation of this business and then be responsible for the daily transactions associated with the business including interaction with customers, filling orders, making products, monitoring inventory levels, account receivable, accounts payable, calculating profit, problem solving and recommendations for expansion.

ENGINEERING

Intro to Engineering

Credit **1 credit – full-year**
Grades **9, 10, 11, 12**
Prerequisite **None**

In this course, students are introduced to the Engineering Design process using a hands-on approach. In semester 1, fundamental principles of drafting are covered. Students will learn how to use precision measuring tools and the professional grade 3D modeling software Autodesk Inventor to create parts, assemblies, and technical drawings. In semester 2, students will be responsible for designing, modeling, building, and testing innovative solutions to real-world problems, such as an airborne wooden glider and a structurally sound bridge. They will also work hands-on with breadboards, wires, LEDs, resistors, and other components to understand electrical systems.

Engineering Principles

Credit **1 credit – full-year**
Grades **9, 10, 11, 12**
Prerequisite **Intro to Engineering**

- In this course, students will study the math and science required to be successful in a college engineering program. They will calculate projectile motion understand fluid dynamics and expand on their knowledge of electrical circuits. Students will also transfer their 3D modeling skills to a new program called SOLIDWORKS. If successful at the end-of-year, students can earn the SOLIDWORKS CSWA Certification and earn credit for Sinclair Community College.

- Note: Open to students who have taken Intro to Engineering OR are Juniors/Seniors. *This is a **very** difficult course. Consider it an AP Engineering course for those interested in pursuing engineering at college. Students will do best if they have passed at least Algebra I and Geometry, but are permitted to join if they are taking Geometry concurrently.

Robotics

Credit **1 credit – full-year**
Grades **9, 10, 11, 12**
Prerequisite **None**

In this course, students will explore basic principles of electricity using a hands-on approach. The practice of algorithmic thinking will prepare students to apply the knowledge and skills necessary to program and operate automated systems. Using VEX Robotics kits, students will code, compile, and debug programs with the RobotC programming language. Students will work together in small teams to develop a variety of machines that execute a series of commands at the press of a button. Projects may include: designing cars that maneuver on a pre-set tracks, tractors that sense light to navigate mazes, and a robot that organizes parts into separate, designated bins. In addition, students will learn the fundamentals of electrical circuits and components using theory and hands-on labs.

ONLINE/CREDIT RECOVERY COURSES

See page 14 for online/credit recovery course stipulations

Course Name	MU Course Equivalency	Course Length	Maximum Credit
Agriculture, Food, Natural Resources			
Intro to AFNR	*	semester	.5
Agribusiness Systems	*	semester	.5
Animal Systems	*	semester	.5
Food Products and Processing Systems	*	semester	.5
Plant Systems	*	semester	.5
Power, Structural, and Technical Systems	*	semester	.5
Architecture and Construction			
Intro to Careers in Architecture and Construction	*	semester	.5
Construction Careers	*	semester	.5
Arts, A/V Technology and Communications			
Intro to Careers in Arts, A/V Technology, and Communications	*	semester	.5
Business			
Business Computer Information Systems	*	full-year or semester	1 or .5
Business Law	*	semester	.5
Career Management	*	semester	.5
Essentials of Business	*	semester	.5
Essentials of Communication	*	semester	.5
Introduction to Computer Science	*	full-year or semester	1 or .5
Office 2013 Applications I (Word, PP, Publisher)	*	semester	.5
Office 2013 Applications II (Excel and Access)	*	semester	.5
Principles of Business and Finance	*	semester	.5
Small Business Entrepreneurship	*	semester	.5
Technology and Business	*	semester	.5
Education and Training			
Intro to Careers in Education and Training	*	semester	.5
Teaching and Training Careers	*	semester	.5

English Language Arts			
English I	English 9	full-year or semester	1 or .5
English I Fundamentals	English 9	full-year or semester	1 or .5
English II	English 10	full-year or semester	1 or .5
English II Fundamentals	English 10	full-year or semester	1 or .5
English III	English 11	full-year or semester	1 or .5
English III Fundamentals	English 11	full-year or semester	1 or .5
English IV	English 12	full-year or semester	1 or .5
English IV Fundamentals	English 12	full-year or semester	1 or .5
Finance			
Banking Services Careers	*	semester	.5
Intro to Careers in Finance	*	semester	.5
Money Matters A	*	semester	.5
Money Matters B	*	semester	.5
Fine Arts			
Art History	*	full-year or semester	1 or .5
Digital Arts	*	semester	.5
Media Studies	*	semester	.5
Music Appreciation	*	semester	.5
Music Theory	*	semester	.5
Government and Public Administration			
Intro to Careers in Government and Public Administration	*	semester	.5
Health			
Health Education	Health	semester	.5
Health Sciences			
Careers in Allied Health	*	semester	.5
Forensics: Using Science to Solve a Mystery	*	semester	.5
Intro to Careers in the Health Sciences	*	semester	.5
Nursing: Unlimited Possibilities and Unlimited Potential	*	semester	.5
Personal Family Living	*	semester	.5
Physicians, Pharmacists, Dentists, Veterinarians, and other Doctors	*	semester	.5
Public Health: Discovering the Big Picture in Health Care	*	semester	.5
Scientific Discovery and Development	*	semester	.5

Therapeutics: The Art of Restoring and Maintaining	*	semester	.5
Hospitality and Tourism			
Food Safety and Sanitation	*	semester	.5
Marketing and Sales for Tourism and Hospitality	*	semester	.5
Planning Meetings and Special Events	*	semester	.5
Sustainable Service Management for Hospitality and Tourism	*	semester	.5
Transportation and Tours for the Traveler	*	semester	.5
Human Services			
Family and Community Services	*	semester	.5
Intro to Consumer Services	*	semester	.5
Intro to Human Growth and Development	*	semester	.5
Intro to Human Services	*	semester	.5
Personal Care Services	*	semester	.5
Information Technology			
Fundamentals of Computer Systems	*	semester	.5
Fundamentals of Digital Media	*	semester	.5
Fundamentals of Programming and Software Development	*	semester	.5
Intro to Information Technology	*	semester	.5
Intro to IT Support and Services	*	semester	.5
Intro to Network Systems	*	semester	.5
Network System Design	*	semester	.5
New Applications: Web Development in the 21 st Century	*	semester	.5
Software Development Tools	*	semester	.5
Law, Public Safety, Corrections, and Security			
Corrections: Policies and Procedures	*	semester	.5
Fire and Emergency Services	*	semester	.5
Law Enforcement Field Services	*	semester	.5
Legal Services	*	semester	.5
Security and Protective Services	*	semester	.5
Marketing			
Careers in Marketing Research	*	semester	.5
Mathematics			
Algebra I	Algebra 1	full-year or semester	1 or .5

Algebra I Fundamentals	Algebra 1	full-year or semester	1 or .5
Algebra II	Algebra 2	full-year or semester	1 or .5
Algebra II Fundamentals	Algebra 2	full-year or semester	1 or .5
Analytic Geometry	*	full-year or semester	1 or .5
Coordinate Algebra	*	full-year or semester	1 or .5
Consumer Math	*	full-year or semester	1 or .5
Geometry	Geometry	full-year or semester	1 or .5
Geometry Fundamentals	Geometry	full-year or semester	1 or .5
Math Models with Applications A	*	semester	.5
Math Models with Applications B	*	semester	.5
Pre-Calculus	Pre-Calculus	full-year or semester	1 or .5
Probability and Statistics	*	semester	.5
Probability and Statistics B	*	semester	.5
Trigonometry	*	semester	.5
Science			
Earth Science	Physical Science	full-year or semester	1 or .5
Biology	Biology	full-year or semester	1 or .5
Chemistry	Chemistry	full-year or semester	1 or .5
Earth Science	Physical Science or Earth Science	full-year or semester	1 or .5
Environmental Science	*	full-year or semester	1 or .5
Integrated Physics and Chemistry	*	full-year or semester	1 or .5
Physics	Physics	full-year or semester	1 or .5
Science, Technology, Engineering, and Math (STEM)			
Engineering and Design	*	semester	.5
Engineering and Product Development	*	semester	.5
Intro to STEM	*	semester	.5
Science and Math in the Real World	*	semester	.5
STEM and Problem Solving	*	semester	.5
Scientific Research	*	semester	.5
Social Studies			
Civil War	*	semester	.5
Economics	Economics	semester	.5
Government	Government	semester	.5
Personal Financial Literacy	*	semester	.5
Psychology	**	semester	.5
US History Foundations to Present	US History	full-year or semester	1. or .5
Vietnam Era	*	semester	.5
World Geography	*	full-year or semester	1 or .5
World History	World History	full-year or semester	1 or .5

20 th Century American History	*	semester	.5
Transportation, Distribution, and Logistics			
Careers in Logistics Planning and Management Services	*	semester	.5
Intro to Careers in Transportation, Distribution, and Logistics	*	semester	.5
World Language			
French I	*	full-year or semester	1 or .5
French II	*	full-year or semester	1 or .5
Spanish I	Spanish I	full-year or semester	1 or .5
Spanish II	Spanish II	full-year or semester	1 or .5
Spanish III	Spanish III	full-year or semester	1 or .5

MIAMI COUNTY ESC COURSE OFFERINGS

Special Education Students Only

Year One (Grade 9)

SE English I

Credit 1.00

Students will actively participate in supported reading of literature forms including chapter books, biographies, poems, fiction and nonfiction works that have been adapted to student ability levels.

SE Math I

Credit 1.00

Students will use real world scenarios to write and solve expressions.

SE Science I

Credit 1.00

Students will describe and investigate examples of energy and energy transfers in daily life.

SE Social Studies I

Credit 1.00

Students will explore multiple areas related to social studies curriculum including, history, government, geography, economics, and current events.

SE Physical Education I

Credit .50

Students will model and demonstrate physical fitness skills that will build core strength needed to complete classroom jobs and future careers after graduation.

SE Fine Arts I

Credit 1.00

Students will complete structured art activities that involve the use of fine motor skills.

Year Two (Grade 10)

SE English II

Credit 1.00

Students will experience grade level and age-appropriate literature materials including poems, biographies, chapter books, fiction and non-fiction texts that are adapted to student reading level.

SE Math II

Credit 1.00

Students will explore basic money concepts and how they apply to real world situations.

SE Science II

Credit 1.00

Students will investigate the impact of geological events on Earth's surface and explore various topics related to Earth and Space.

SE Social Studies II

Credit 1.00

Students will explore multiple areas related to social studies curriculum including, history, government, geography, economics, and current events.

SE Physical Education II

Credit .50

Students will model and demonstrate physical fitness skills that will build core strength needed to complete classroom jobs and future careers after graduation.

SE Health

Credit 1.00

Students will learn and practice proper health and hygiene methods in order to obtain a healthy lifestyle.

Year Three (Grade 11)

SE English III

Credit 1.00

Students will experience grade level and age-appropriate literature materials including poems, biographies, chapter books, fiction and non-fiction texts that are adapted to student reading level.

SE Math III

Credit 1.00

Students will use real world scenarios to write and solve expressions including that of those involving money and time.

SE Science III

Credit 1.00

Students will explore topics related to Life Science.

SE Social Studies III

Credit 1.00

Students will explore multiple areas related to social studies curriculum including, history, government, geography, economics, and current events.

SE Life Skills I

Credit 1.00

Students will complete various tasks to prepare them to live as independent as possible now and after completing of high school, including money management, completing classroom jobs, following task analysis, following a schedule, and time management.

SE Culinary Arts

Credit 1.00

On a weekly basis, students will recognize and prepare or select basic foods that make up a balanced meal.

Year Four (Grade 12)

SE English IV

Credit 1.00

Students will experience grade level and age-appropriate literature materials including poems, biographies, chapter books, fiction and non-fiction texts that are adapted to student reading level.

SE Math IV

Credit 1.00

Students will use real world scenarios to write and solve expressions including that of those involving money.

SE Science IV

Credit 1.00

Students will explore various topics related to physical and earth sciences.

SE Social Studies IV

Credit 1.00

Students will explore multiple areas related to social studies curriculum including, history, government, geography, economics, and current events.

SE Life Skills II

Credit 1.00

Students will complete various tasks to prepare them to live as independent as possible now and after completing of high school, including money management, completing classroom jobs, following task analysis, following a schedule, and time management.