# National Trail High School Course Guide 2026-2027



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# TABLE OF CONTENTS


| | |
|---|---|
| Letter from the Principal | 3 |
| rFactor | 4 |
| Staff Directory | 5 |
| Graduation Requirements | 6 |
| Sample (4) Four Year HS Plan | 9 |
| Scheduling | 10 |
| NTHS Grade Scale | |
| Honors Diploma | 11 |
| NTHS Criteria | |
| MVCT Criteria | |
| Educational Options | 12 |
| MVCTC | |
| College | 13 |
| College & Career Readiness Tests | |
| College Athletics | 14 |
| Scholarship | |
| Tests at a Glance | 15 |
| Job Training | 16 |
| Military Resources & Frequently Used Websites | 16 |
| Student Activities and Clubs | 17 |
| NTHS Courses Offerings at a Glance | 20 |
| NTHS Course Descriptions | 21 |
| NTHS Course Fees | 42 |
| Ohio College Information | 43 |
| College Credit Plus Pathways | 44 |
| Local Graduation Seals | 52 |

# LETTER FROM THE PRINCIPAL

Parents and Students,

Prior to reading the list of courses being offered at National Trail High School, it must be understood that much energy and time has been spent in exploring and studying a master schedule that will benefit all students while they attend National Trail High School. During most days, students will complete four (4) eighty (80) minute class periods and a forty-seven (47) minute intervention.

As you plan your High School career, students should choose their subjects with extreme care taking into consideration your abilities, interests, needs, and chosen vocation. You academic plan should meet the requirements for your chosen programs at the Miami Valley Career Technical Center and/or the entrance requirements of your chosen post-secondary plan. Be sure to discuss your educational plans with your parents, teachers, counselors, and any others who are interested in your welfare and who may be qualified to give you advice.

In selecting your subjects, pay particular attention to the fees, prerequisites for admission to a course and to the requirements for receiving credit. It is unwise to take an elective for which you have little aptitude or in which you may have difficulty fulfilling the requirements for credit. At the time of registration, you are expected to accept the responsibility for meeting the special requirements of the electives you choose.

As you develop your four year plan, please do not hesitate to contact your counselor or other school employee to help answer any questions you may have during your time at NTHS.

It’s better to be a Blazer!

**The administration reserves the right to alter any information in the program of studies to accommodate an individual's academic pursuits.**

## THE RFACTOR

Starting with the 2019-2020 school year, National Trail rolled out the rFactor to the students of our District.

We believe our culture is the heart of our school system. It makes National Trail Schools a special place to learn and work, and it gives us a unique advantage. Building and sustaining the National Trail culture requires intentional effort from everyone in the district.

**What is The R Factor?**

- A simple, proven, systematic behavior toolbox for Discipline-driven Responses in any situation.
- A common language that drives a powerful, shared culture among people.

While a member of the National Trail Community, we expect ALL to do the following:

- Be the Best Version of You
- Live by Vision, not Circumstance
- Ensure that Everyone Matters



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## GRADUATION REQUIREMENTS

**Students entering the 9th grade for the first time on or after July 1, 2010, will need to meet the requirements of the 'Ohio core'. Credit requirements for graduation are as follows:**

| | |
|---|---|
| **English** | **4 credits** |
| **Math** (including Algebra II) | **4 credits** |
| **Science** | **3 credits*** |
| **Social Studies** (World History, American History, and Government) | **3 credits*** |
| **Physical Education** | **0.5 credits** |
| **Health** | **0.5 credits** |
| **Business/Computer** | **2 credits** (CBI can only be used for **one** business credit. Students may use Greenhouse & Nursery, Business Management, Mechanical Principals, Animal Science, or Ag Capstone for **both** credits.) |
| **Unified Arts** | **1 credit** (Anything that is a Fine Art, Any Agriculture Class,French, Spanish, Business/Computer, Family andConsumer Science, or Graphic Design class) |
| **Fine Art** | **1 credit** (Fine Arts include: Band, Steel Band, Choir, Guitar, Music Appreciation, Ukulele, World Music, Art and Graphic Design; additional Fine art credits can be counted for Unified Art credits) |
| **Electives** | **5 credits** (CTC students 5 credits) |
| **Financial Literacy** | One-Half Unit |

**THE FOLLOWING APPLIES TO ALL GRADUATING CLASSES AT NTHS**

*Only three credits are required, but four credits are recommended for students who plan to enroll in any college program after high school.

**Students must complete 1 unit of Financial Literacy** which is included in Business, Financial Management I and II, and Government)

Students following a career-technical pathway are exempted from the fine arts requirement.

Students may NOT participate in the commencement program unless all State Board of Education and National Trail Local Board of Education standards are met.

**Seniors who are at risk of failing a required course for graduation during the 4th grading period of their senior year may be pulled out of that course and put into National Trail's PLATO online program and may forfeit their ability to participate in the graduation ceremony.**

Students MUST participate in commencement rehearsal to take part in the formal commencement program. The Principal or Superintendent of Schools must approve exceptions.

**In addition to completing the coursework above, in order to graduate, students must successfully complete one or more of the following options:**

1. Earn a cumulative passing score on six (6) end of course exams (Algebra 1, Geometry, Biology, American History, Government,, and English 10). Students may also substitute grades from College Credit Plus courses (Social Studies and Science) in these subjects for end-of-course state exams.
2. Students must earn a 684 or higher on ELA II and Algebra I End of Course Exams. Their remaining exams count towards graduation seals.
3. Earn a "remediation-free" score in English language arts and mathematics on a nationally recognized college admission exam. The state of Ohio will pay one time for all 11th grade students in the class of 2018 and beyond to take the exam free of charge.
4. Students earn 12 points through a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score on the WorkKeys assessment.

More Information:

1. **Mathematics** units must include one unit of algebra II or the equivalent of algebra II. Exceptions: Algebra II is not a requirement for students following a career-technical pathway.

2. **Physical education** - School districts may adopt a policy that would exempt students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years from the physical education requirement. Students must take another course, which cannot be a physical education course, of at least 60 contact hours.

3. **Science** units must include one unit of physical sciences, one unit of life sciences and one unit of advanced study in one or more of the following sciences: chemistry, physics or other physical science; advanced biology or other life science; astronomy, physical geology or other earth or space science. Exception: A family may decide that their student is not prepared to meet the graduation requirement for a higher level science course. Or, their student may be planning a career that does not require higher level science. Higher level science may not be a requirement for this student.

4. **Social studies** units must include ½ unit of American history and ½ unit of American government in three units required for the classes of 2018 and 2019. The class of 2021 will need ½ unit in world history and civilizations in their required three units as well as American history and American government.

5. **Elective credits** must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.

6. **Other state requirements** - All students must receive instruction in economics and financial literacy during grades 9-12 and must complete at least two semesters of fine arts taken any time in grades 7-12. Fine arts is not a requirement for students following a career-technical pathway.

7. **The State Board of Education** may decide to include an algebra II end-of-course examination in place of the algebra I end-of-course exam beginning for students entering ninth grade on or after July 1, 2016.

## SAMPLE (4) FOUR YEAR HS PLAN

| | 9th | 10th | 11th | 12th |
|---|---|---|---|---|
| English (4) | English 9 | English 10 | English 11 | English 12 |
| Math (4) | Algebra 1 | Geometry | Algebra 2 | Pre- Calc |
| Science (3) | Physical Sci | Biology | Chemistry | |
| Social Studies (3) | World Hist | American Hist | Government | Street Law/Intro to Sociology |
| Health (.5) | Health | | | |
| P.E. (.5) | PE 1 | PE 2 | | |
| Unified Art (1) | Ag 100 | | | |
| Fine Art (1) | Art 1 | | Music Appreciation | |
| Comp/Business (2) | Computer I/Financial Mgmt | Intro to Business or Ag 200 and above | | |
| Financial Unit Completed | Yes | | | |
| Electives (7) | | | Accounting 2 | |
| | Spanish 1<br>Introduction to to Business | Nutrition/Wellness<br>Accounting 1 | Ag III/IV | Ag III/IV |
| | Global Foods | Spanish 2 | Lit and Film | Physics<br>Creative Writing |

Many factors will influence a student's final schedule. When making a schedule, consider the following:

- CTC attendance junior and senior year
- CCP participation
- Honors Diploma criteria
- CBI participation junior and senior year
- College admission requirements

**Please review the course book and consider the individual student's goals when creating a four year plan.**

## SCHEDULING

Scheduling Timeline:

- In March, course request forms and course guides are distributed to all students.
- Students complete course request forms and turn in to the guidance office by deadline.
- In May, students are given schedules for the following year.
- All necessary changes due to failures will be made after the end of the school year.

Notes regarding credit completion/course offerings:

- National Trail High School will accept credits transferred by transcript from any accredited high school, provided such courses and credits meet State Department of Education and local requirements.
- The high school counselor must approve enrollment for a summer school course at another school in advance.
- The administration reserves the right to cancel any course offerings for which there are not sufficient registration/funds.

Requesting a Schedule Change:
The person(s) requesting the revision must submit the proposal to the Guidance Office in writing. Request the schedule change form from the guidance office. Schedule changes must be requested by the first week of school unless by teacher recommendation. A parent and administrator must sign the schedule change request form.

## NTHS GRADING SCALE

| **Un-weighted classes** | | | **Weighted Classes** | |
|---|---|---|---|---|
| 4.00 | A | 95-100 | 4.20 | A |
| 3.80 | A- | 90-94 | 3.95 | A- |
| 3.40 | B+ | 87-89 | 3.55 | B+ |
| 3.00 | B | 83-86 | 3.15 | B |
| 2.80 | B- | 80-82 | 2.95 | B |
| 2.40 | C+ | 77-79 | 2.50 | C+ |
| 2.00 | C | 73-76 | 2.10 | C |
| 1.80 | C- | 70-72 | 1.90 | C |
| 1.40 | D+ | 67-69 | 1.45 | D+ |
| 1.00 | D | 60-66 | 1.05 | D |
| 0.0 | F | 0-59 | 0.00 | F |

A weighted grading scale will be used for the following courses: all college credit plus courses, Spanish IV, Pre-Calculus, Calculus, Physics CTAG courses (Business Management for Agricultural and Environmental Systems, Greenhouse and Nursery Management, Animal Science and Technology).

GPAs are calculated by the Standard GPA Calculation (Alpha) method. - Sum of the point value of each mark multiplied by the attempted credit amount of the course divided by the sum of the attempted credits for all courses in the GPA calculation.

## HONORS DIPLOMA for Class of 2026 and Beyond

**National Trail High School Honors Diploma Criteria (Students must meet 7 criteria)**

1. Earn at least four (4) units of mathematics which shall include algebra I, algebra II, geometry and another higher level course or a four-year sequence of courses which contains equivalent content;
2. Earn at least four(4) units of science including two units of advanced sciences (Physics, Chemistry, Anatomy & Physiology, or CCP courses);
3. Earn four (4) units of social studies (World History, American History, Government, Street Law/Current Issues, 60's/Current Issues or CCP coursework)
4. Earn either three (3) units of one foreign language or two units each of two foreign languages;
5. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year; or
6. Obtain a composite score of 27 on the American college test's ACT assessment (excluding the optional writing test) or a combined score of 1280 on the College Board's SAT verbal and mathematics sections (excluding the required writing section).
7. Earn two additional diploma seals; not including Honors Diploma Seal. (If a student earns the OhioMeansJobs Readiness Seal as a part of their experiential learning requirement, it can not count as one of their additional seals earned)
8. Experiential Learning - Field Experience, OhioMeansJobsReadiness Seal, Portfolio or Work-Based Learning

*Student Strength Demonstration Requirement - students may use this to replace one of either the ACT/SAT, GPA or World Language

Option:

- College Credit Plus: 12 total College Credit Plus credit hours
- Advanced Placement: three courses with score of 3 or higher on AP tests
- Career-Technical Assurance Guide (CTAG): 12 total credits
- Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18
- WorkKeys: Score of 6 or higher on all tests (*void for Career-Tech Honors Diploma)
- Armed Services Vocational Battery: Score of 50 or above on the ASVAB ●

Work-Based Learning: 250 total hours of work-based learning

## EDUCATIONAL OPTIONS

**College Credit Plus (CCP):** CCP is Ohio's dual enrollment program that allows high school students to complete high school graduation requirements while pursuing a higher education pathway to an in-demand career. NT students in grades 7-12 will have the opportunity to earn college credit in a variety of ways. This program has adopted the PSEO and Dual Enrollment programs and has made them into one, so students will have the option of doing coursework here at NT taught by NTHS teachers or going to the college or university of their choice to earn college credits. Interested students and their parents are encouraged to attend the CCP meeting that will be held in February/March each year to enroll in the program. Students must follow the ODE/NTLSD approved guidelines for CCP acceptance. Partnerships with Edison Community College and Sinclair Community College are established.

Students taking CCP courses are considered both high school and college students. Due to this unique status, we recognize the potential for confusion related to the Federal Rights to Privacy Act (FERPA), specifically the parent or guardian's ability to view their student's educational records at the college level. The purpose of this communication is to reiterate the existing law and options for students and parents.

When a minor-aged student progresses through a K-12 school district, the parents and guardians have the right to access educational records and additional information on their student. However, when a student attends a college or university, these rights transfer to the student regardless of their age.

When a minor-aged student participates in CCP, there are several avenues through which the parent or guardian may access the student's college records and information: • The student may sign a consent form permitting the release of his/her educational records at the higher education institution to the student's parent(s).

- The higher education institution will share an enrollment roster and final course grades with the high school each semester.
    - o There may be additional information the institution shares.
    - o The parent/guardian may view any student information sent to the secondary school by the higher education institution that is part of the high school educational record/transcript of the high school.

**Credit Recovery:** Students who are credit deficient may have the opportunity to recover credit through Credit Recovery at NTHS. **Approval to participate in Credit Recovery must be granted by the building principal.**

**Summer School:** A required subject, which is failed, shall be repeated in summer school. A student and his or her parents are to assume responsibility for seeing that courses are made up. Summer school is offered through National Trail with details being sent out every April.

**Independent Study/ Credit Flex:** A course may be taken with the instructor during non-class times through independent study or credit flexibility. The instructor and principal must approve this instruction method with the student.
Information regarding any of these programs is available in the guidance office.

## MVCTC

National Trail HS students have the option of attending MVCTC (Miami Valley Career Technology Center) their junior and senior years of high school. Students complete the same graduation requirements and receive a National Trail HS diploma. Students who attend CTC receive training in a career field of their choice. This opens up many employment opportunities that the student would otherwise not have. Programs labeled as Tech Prep and successfully completed, will award the student a $3,000 scholarship to Sinclair Community College! Many students also complete college credit through the MVCTC coursework.

Sophomores will apply for admission to CTC during the second semester. Students may see the guidance office for applications or MVCTC course books and course descriptions. More information may be found at www.mvctc.org.

Note: At the conclusion of the sophomore year, the student choosing to attend the MVCTC should have successfully completed 2 credits in the following: English, Math, Science, Social Studies, 2 unified arts (and or fine art- see graduation requirements) business and .5 credits in PE and health.

**A list and description of all MVCTC programs can be found at:**

**www.mvctc.com/program**

## COLLEGE

College bound students need to schedule courses appropriate for college preparation and admission. You can go to college! It takes good thinking and good planning. Let everyone know that you want to go to college- your parents, your teachers, and your guidance counselor. The classes that you take in high school are very important. Make sure you are taking courses that fulfill at least the minimum college prep curriculum requirements. Students who complete challenging high school course work prepare themselves to score higher on the ACT and SAT.

The minimum college prep curriculum is as follows: 4 credits of English, 4 credits of math (including Algebra 1, Geometry, and Algebra 2), 3 credits of science, 3 credits of social studies, 2 credits of the same foreign language, 1 credit of fine arts.

Each college is independent of others and may vary the above requirements according to its own standards. It is recommended to take one credit of math and one credit of science in the senior year. To enhance your chances for admission to the university and academic program of your choice, you are encouraged to take the most rigorous curriculum available at National Trail HS. Colleges are looking at students' transcripts to see the curriculum during all four years of high school. The following areas are used to determine a students' acceptance into college: core curriculum, cumulative GPA, class rank, ACT/SAT scores, written essays, and teachers' letters of recommendation.

## COLLEGE AND CAREER READINESS TESTS

Most colleges require the ACT or SAT as part of the admission criteria. It is recommended that students take one of these tests in the spring of their junior year and again in the fall of their senior year if they would like to try to improve their score. National Trail also offers practice tests to all sophomores.

**ACT Assessment**

The ACT assessment is a national college admission examination that consists of tests in English, mathematics, reading, and science. The ACT consists of multiple choice questions and one optional writing section. The highest possible composite score for the multiple choice section is 36. The highest possible score for the writing test is 12. Students should decide whether to take the ACT writing test based on the admission policies of the postsecondary institutions in which they are interested. **The ACT is offered to all Juniors at the high school, free of cost, each year.** For more information and to register, go to **www.actstudent.org**.

**SAT Reasoning Test**

The SAT reasoning test, like that ACT, is another test used in the college admission process. The SAT assesses how well students analyze and solve problems. The test also provides an independent measure of a student's college readiness. The SAT test is scored on a 200-800 scale for each of the three sections: Writing, Critical Reading, and Math. For more information and to register, go to **www.collegeboard.com**.

**ASVAB**

The ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military and civilian occupations. Interested students may contact a military recruiter to take the ASVAB.

**Work Keys**

WorkKeys is a job skills assessment system measuring "real-world" skills that employers believe are critical to job success. Interested students may sign up to take the Work Keys through the Miami Valley Career Technology Center.

## COLLEGE ATHLETICS

**Eligibility for Intercollegiate Athletics NCAA or NAIA**

Students interested in playing college athletics may be required to register for the NCAA or NAIA, depending on the college division. Students may register and learn more at www.ncaa.org.

## SCHOLARSHIPS

Scholarships are mainly available for seniors. There are a few that are offered to underclassmen. Both local and national scholarships are available in the guidance department. As they come in, they are announced via email to all seniors and their parents and on the morning announcements. Scholarship applications can also be downloaded from the High School Guidance Moodle Page. More national ones along with college scholarships are available in the fall. In January, local scholarships start to come in and are due before the end of April. Students may stop by the guidance department at any time to ask for assistance with any of the scholarships.

Bullen Scholarship Co-op Application
Charles Friend
Charles Murray
Community Blood Center
Dale Koons Memorial
DAR- Good Citizenship
Delta Theta Tau
Eaton Optimist Club- James Sheriff
Preble County Chamber of Commerce
Eaton Rotary Club Scholarship
Fellowship Lodge 106/Masonic Lodge
FOP
Frank S. McWhinney
Harvest Land
Jack Cobb
Jackson Alumni
Jefferson Alumni
Larry A. Hart Memorial Scholarship
Lynn Duke Memorial Scholarship
Kent Rubright Memorial Scholarship
Mindy Tom's Memorial Scholarship
Monroe Alumni
Myron Arnett
New Paris News
New Paris Area Chamber of Commerce
New Paris Area Chamber of Commerce
New Paris Area Chamber of Commerce
Citizenship Award
NT Booster Club
NT Foundation
NT Alumni Association Eaton
NTEA
OALPRP
Ohio State Alumni Program
Omicron Sigma Sorority
Patricia Brubaker, Excellence in English
Pearl Mt. Castle Book Grant
Preble County College Club
Preble County Pork Festival Scholarship
Shirley A. Jordan
Simpson Spirit of Service
Sons of American Legion Squadron 655
Bruce Eley Memorial
The Annette Zimmerman Scholarship
The Bill Tea Memorial Scholarship
Vancrest

# Tests at a Glance

"The who, what, why, how, and when of important high school tests."

| Who | What | Why | How | When | Find more at… |
|---|---|---|---|---|---|
| Grade 9/10/11/12 | End of Course Exams | The Class of 2023 and beyond will take seven end of course exams over four years of high school. English II, Geometry, Algebra 1, Biology, American History, and Government. | All students who are enrolled in the courses and those who need to retest | Winter and Spring | www.ode.state.oh.us |
| Grade 10/11/12 | ASVAB | The ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military and civilian occupations. | By signing up with a military recruiter | Year round | http://official-asvab.com |
| Grade 11/12 | ACT | One test (of either the ACT or SAT) required by most colleges for admissions. | Students sign up online | Test dates through out year | www.actstudent.org |
| Grade 11/12 | SAT | One test (of either the ACT or SAT) required by most colleges for admissions. | Students sign up online | Test dates through out year | www.collegeboard.com |
| Grade 12 | Work Keys | ACT WorkKeys is a job skills assessment system that helps employers select, hire, train, develop, and retain a high-performance workforce. | By signing up with the MVCTC | Year round | www.collegeboard.com |

## JOB TRAINING

**MVCTC FOR HS GRADS-** offers classes for **adults** (that's you come May 26th!). Go to MVCTC.com to see a list of certificates and trades for adult students. Many can be completed in less than a year.

**Apprenticeship-** An apprenticeship is a way of learning a skill, while on the job, from a skilled professional. Often the education needed is covered through the apprenticeship program. See the Miami Valley Building Trades Apprenticeship Group online for more information about local opportunities.

**Tech School-** For some students, jumping right into a 'hands on' approach for the career is what they desire. There are many schools out there that serve this purpose. Resources for this are available at www.techschooldirectory.com, www.technical-schools-guide.com as well as books in the guidance office.

## MILITARY RESOURCES

Military Recruiters are available to students and parents to answer questions about this career path. Contact your local recruiter at the following websites:
www.army.mil (Army)
www.navy.cmil (Navy)
www.af.mil (Air Force)
www.marines.mil (Marines)
www.ng.mil (National Guard)
www.military.com/ASVAB (military entrance testing)

## FREQUENTLY USED WEBSITES

**College Search**
www.collegeboard.com

**College Testing**
www.actstudent.org ACT testing
www.collegeboard.com SAT testing

**Financial Aid**
www.fafsa.ed.gov Financial Aid- **FAFSA**
www.fastweb.com Scholarships
www.scholarships.com Scholarships
www.collegegoalsunday.com Help completing the FAFSA
www.march2success.com College prep
www.knowhow2go.org/ College prep

**Military**
www.military.com/ASVAB

**Career**
Ohiomeansjobs.com

# STUDENT ACTIVITIES AND CLUBS

Art Club

Art Club is an organization which enables creative expression beyond the classroom. Workshops in various media are explored. Club members determine the areas of interest for a given year. Club members participate in fundraising (usually two events) to pay for the cost of materials for workshops.

Band

Band is open to any student who has developed the proficiency on his/her instrument and the understanding of music needed to perform in the band setting. All band students will participate in concert band, and pep band. Marching band information is listed below. In concert band, students will prepare for three concerts, solo and ensemble contest, Veteran's Day program, all-county band, honor bands, district and state competitions, Memorial Day concert/parade, and the graduation performance. All band students will also participate in pep band, which performs at all home varsity boys' basketball games.

Concert Choir

Concert Choir is a full-year educational commitment open to all students who are interested in singing and performing. Emphasis is placed on the basics of proper individual and group singing including posture, tone, intonation, blend and balance. Students perform a variety of choral literature representing various styles. The Choir will perform concerts throughout the year and other requested engagements for which attendance is mandatory. After-school activities and practices are integral to the course.

Class Officers

The class officers are the representatives of your class. Each class has four representatives: a president, a vice president, a secretary, and a treasurer. You can run for class officer, they have an annual election every year. The class officers do all the planning of your classes events such as prom, homecoming, spirit week, and other things. Class officers are always open for ideas so if you have any please tell them.

Drama Club

The Drama club has brought you such productions as Death of a Doornail and Oz. Students will perform in one to two performances during the course of the school year.

FCCLA

Family, Career and Community Leaders of America is a dynamic and effective national student organization that helps young men and women become leaders and address important personal, family, work and societal issues through family and consumer sciences education. Chapter projects focus on a variety of youth concerns, including teen pregnancy, parenting, family relationships, substance abuse, peer pressure, environment, nutrition and fitness, teen violence and career exploration. Involvement in FCCLA offers members the opportunity to expand their leadership potential and develop skills for life -- planning, goal setting, problem solving, decision making and interpersonal communication -- necessary in the home and workplace.

FFA

Our National Trail FFA Chapter is a student organization for male and female students of Agricultural Education. The FFA is known as an intra-curricular organization that is directly related to high school classroom and lab instruction. The FFA's mission is to make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. Agricultural Education prepares students for successful careers and a lifetime of informed choices in the global agriculture, food, fiber and natural resources systems and many other related career choices. Students will have the opportunity to compete in numerous FFA contests and travel to FFA Conventions and Conferences. Our FFA members have traveled and competed in places like Columbus, Indianapolis, Oklahoma City and Springfield Massachusetts! Come join us for your opportunity.

Hope Squad

Hope Squads are the eyes and ears of a school. They are comprised of students who are trained to watch for at-risk students–provide friendship, identify warning signs, and seek help from adults. Hope Squad advisors train students who have been identified by their classmates as trustworthy peers to serve as Hope Squad members. Through evidence-based training modules, Hope Squad members are empowered to seek help and save a life. Hope Squad members are NOT taught to act as counselors, but rather, are educated on how to recognize signs of suicide contemplation, and how to properly and respectfully report this to an adult.

World Language Club

The Foreign Language Club is open to all Spanish and French Students. In May, the Foreign Language Club holds the Foreign Language Dinner that allows students to observe different cultures and experience new foods.

Marching Band

Marching Band is an option for all band students and is also open to 8$^{th}$ grade students. Marching Band performs at all HS football games, home and away, as well as OMEA band contests. The group also performs at various local parades and community events. Every four years, the Marching Band travels to Florida to perform in Orlando. Marching Band season runs from July through October, and requires two after-school practices each week, along with a week of band camp in July or August.

National Honor Society

Students are selected for membership through an established school chapter in secondary public and accredited private schools by a five member Faculty Council. Candidates must meet the chapter's requirement for scholarship, service, leadership and character in order to be selected for membership.

Quiz Bowl

Quiz bowl is a family of games of questions and answers on all topics of human knowledge, commonly played in high school and college. The game is played with a lockout buzzer system between some number of teams, most commonly two teams of four players each.

A moderator reads questions to the teams, whose players endeavor to buzz in first with the correct answer, scoring points for their team. Students will compete with other schools in Preble and Darke County.

The students will be required to compete in over half of the matches to earn an academic letter. Students will answer questions in various areas of academic studies.

Science Olympiad

The Science Olympiad is a national nonprofit organization devoted to improving the quality of science education, increasing student interest in science and providing recognition of outstanding achievement in science education by both students and teachers. These goals are accomplished through classroom activities, research, training workshops and the encouragement of intramural, district, regional, state and national tournaments. The Science Olympiad Tournaments are academic interscholastic competitions, which consist of a series of twenty-three individual and team events students prepare for during the year. These challenging and motivational events are well balanced between the various science disciplines of biology, earth science, chemistry, physics, computers, and technology. There is also a balance between events requiring knowledge of science facts, concepts, processes, skills and application.

Steel Band

HS and Advanced Steel Band is a full-year educational commitment. Students will learn to play the steel drums and steel band music as they prepare for multiple performances. Students will learn a variety of musical styles including soca and calypso. Students are required to participate in all steel band activities including rehearsals, performances, and events.

Student Council

The Student Council plays a very important role in every school. They help share students' ideas, interests, and concerns with the teachers and principal. They help the students raise funds for school wide projects. They assist the community when they are in need of aid. Being on Student Council is something that will help our students become responsible and active members of the community.

Tri-M® Music Honor Society

The Tri-M® Music Honor Society is an international music honor society for high school students. It is designed to recognize students for their academic and musical achievements, reward them for their accomplishments and service activities, and inspire other students to excel at music and leadership. Candidates must meet the requirements set forth in the application process in order to be considered for membership.

Winter Guard

Winter Guard is an indoor color guard activity derived from marching band. Unlike traditional color guard, winter guard is performed indoors, usually in a gymnasium or an indoor arena. Performances make use of recorded music rather than a live band or orchestra

# NTHS COURSE OFFERINGS AT A GLANCE

**Agriculture:**
Ag I: Agriculture, Food & Natural Resources
Greenhouse and Nursery Management
Animal Science and Technology
Business Management*^Foundations of Business MAN 1107
Mechanical Principles

**Art:**
Art I
Art II
Art III
Art IV
Graphic Design

**Business and Computer Education:**
Introduction to Business
Computer I
Computer Hardware
Adv. Technology Applications I & II
Accounting I
Accounting II
CBI Related (classroom)
CBI (work)

**English:**
English 9
Freshman Literature and Writing
English 10
English 11
English 12
*ENG 121S: English Composition I
*ENG 122S: English Composition II
*ENG 123S: Introduction to Literature
*ENG 232S: Fiction Writing
Creative Writing I and Mythology/Folklore
Literature and Film I and II
Yearbook

**Family and Consumer Science:**
Personal Financial Management
Nutrition and Wellness
Child Development
Textile Design, Construction, Maintenance
Interior Design, Furnishings, Management
Global Foods

**Foreign Languages:**
French I, II, III, and IV
Spanish I, II, III, and IV

^MVCTC Tech Prep Class

**Health and Physical Education:**
Health
Physical Education I
Physical Education II
Advanced Physical Education I
Advanced Physical Education II
Fitness & Kinesiology I
Fitness & Kinesiology II

**Mathematics:**
MATH 9
Algebra I
Geometry
Algebra II
Pre-Calculus
Calculus
Probability & Statistics
Personal Finance
Transitional Math
*MTH- 128S: Pre-Calculus
*MTH- 221S: Calculus & Analytical Geometry I

**Music:**
Concert Band
Guitar & Music History & Appreciation
Ukulele & Music Through the Decades
Steel Band- Beginning and Advanced
Concert Choir

**Science:**
Physical Science
Biology
Chemistry
Physics
Earth and Space Science
Forensics
*Anatomy and Physiology - BIO125S
Zoology

**Social Studies:**
World History
American History
US Government and Economics
*PLS121S: American National Government
*ECO12S: Fundamentals of Economics
The 60's
Current Issues
*SOC-1101: Introduction to Sociology
*PSY-100: General Psychology
Sociology
Street Law

*College Credit Plus course taught at NTHS

# NATIONAL TRAIL COURSE DESCRIPTIONS

## Agriculture

Enrollment in our Agricultural Education courses is open to both male and female students. Students do not need to live on a farm to participate in the program, but are expected to become active members of the National Trail FFA Chapter and to complete a supervised agricultural experience type project with guidance from the Ag instructor. The Ag. Ed. Program is a satellite program of MVCTC and includes classroom and lab instruction, FFA activities and Supervised Agricultural Experience projects. Note: The State of Ohio is requiring new pathways in career tech programs that may require additional inclusions or deletions to the following courses this upcoming school year.

**Agriculture, Food and Natural Resources (AFNR)**
**Credit: 1.25**
**Prerequisite: Students must be a freshman or 1st year AG student**
Lab Fee: $15.00
FFA Dues: $20.00 (Paid to National Trail FFA Treasurer)
This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

**Greenhouse and Nursery Management**
**Credit: 1.25**
**Prerequisite: Agriculture, Food and Natural Resources**
In this weighted course, students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

**Animal Science and Technology**
**Credit 1.25**
**Prerequisite: Agriculture, Food and Natural Resources**
In this weighted course, students will learn and apply reasonable animal management principles and routine husbandry practices. Topics will include nutrition, feeding, and caring for animals, body/carcass composition evaluation, and applying marketing principles to the sale and distribution of animal products. Learners will investigate animal genetics and how it impacts principles of animal improvement, selection and marketing. Throughout the course, learners will develop business leadership, problem-solving and communication skills in relation to the science of animals.

**Business Management for Agricultural and Environmental Systems**
**Credit 1.25**
**Prerequisite: Agriculture, Food and Natural Resources**
In this weighted course, 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 will be identified.

**MAN1107: Foundations of Business (No additional high school credit)**
**Credit Hour(s) 3**
**Agricultural Education MVCTC Satellite Tech Prep**
The American business system and basic principles of the free market system. Includes introduction of business concepts, entrepreneurship, management, marketing, economics, accounting and other important business principles.

**Mechanical Principles**
**Credit 1.25**
**Prerequisite: Agriculture, Food and Natural Resources**
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.

**Agricultural Capstone**
**Credit 1.25**
**Prerequisite: Must be a 3rd of 4th year Agricultural Education Student or Teacher Approval**
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.

## Art

**Art I**
**Credit 1**
**Prerequisite: None**
Lab Fee: $30.00
Art I is a basic course in art. Instruction will be given in drawing techniques including the use of pencil, proper perspective, and shading. Students will also explore the use of pastels, colored pencil, and pen and ink. Elements and principles of design will be introduced, including balance, line, movement, texture, shape, color, rhythm, and contrast.

**Art II**
**Credit 1**
**Prerequisite: Art I** Lab Fee: $30.00
Color will be explored including watercolor and colored pencil. Students will also work on 3 dimensional projects. The class will be divided into small groups for instruction in pottery. Students will also be introduced to various artists and their work.

**Art III**
**Credit 1**
**Prerequisite: Art II** Lab Fee: $30.00
This course develops advanced techniques in drawing, oil painting, printmaking, and sculpting. Students will learn to put together an art display and are required to put together a portfolio. Composition, problem-solving, and originality of ideas are stressed.

**Art IV**
**Credit 1**
**Prerequisite: Art III** Lab Fee: $30.00
Students will refine their skills in the areas of drawing, painting and 3 dimensional media. Students will also explore computer graphics. Students will be given the opportunity for in depth study of an area of interest and to refine their design skills in that area. The student will be required to submit a portfolio and put together a senior display.

**Graphic Design**
**Credit 1**
**Prerequisite: Junior or Senior standing and must have passed Art I with at least a C+ and/or have signed teacher approval.**
Lab Fee: $25.00
This course introduces the student to simple image manipulation on the computer. Basic drawing tools and their use are presented, along with projects designed to allow the student to use these tools creatively. The elements and principles of art are taught as a basis for good design. Techniques for manipulating text and graphics to create effective designs that work in page layouts are covered. Students learn basic typography while exploring type as an art form or a

means to convey a message. Design for multimedia presentations and web design are also covered. This course may count as (1) credit of Fine Art.

## Business and Computer Education

The following Agriculture courses found on page 20 will also count towards the two (2) required Business graduation requirements.

**Animal and Plant Science**
**Business Management for Agricultural and Environmental Systems**
**Mechanical Principles**

**Introduction to Business**
**Credit 1**
**Prerequisite: None**
Fee: None
This course provides instruction on the business practices that everyone will experience in her or his personal life. The course will provide an understanding of business practice important to everyone as a consumer including technology, world trade, banking, investments, the role of the consumer, budgeting, credit, insurance, and career.

**Computer I**
**Credit 0.5**
**Prerequisite: Freshmen only- Required for all freshmen**
This is a one semester course designed for the study of advanced word processing, spreadsheet, and presentation software. It also includes graphics, the collection & input of data, as well as looks at the ethical, legal & social issues involving computer applications in business. Software will include the Microsoft Office **2010** (Word, Excel, Publisher and PowerPoint) and a variety of advanced multimedia tools.

**Computer Hardware**
**Credit 1**
**Prerequisite: Earn 85% in Computer Applications/Signed Technology Coordinator Approval**
Fee: None
Computer Hardware emphasizes PC architecture, design, and maintenance. The emphasis on practical applications helps teach students to learn independent troubleshooting and repair techniques by supporting different technologies throughout the district. Students also follow a textbook on the Microsoft A+ certification and do research projects, presentations, and writing assignments throughout the year.

**Advanced Technology Applications I/II**
**Credit 1**
**Prerequisites: Earn 85% in Computer Hardware/Signed Technology Coordinator Approval**
Fee: None
Advanced Technology Application is designed to implement the practical skills learned in Advanced Computer Technologies and Design. Students will be assigned open available course periods to assist the Technology Coordinator.

Tasks will include computer repair, software development, web design, network maintenance, as well as district multimedia projects. Students will be expected to attend several group meetings throughout the school year. Writing assignments, courseware setup, and PowerPoint projects are also required.

Advanced Technology Applications (ATA) II includes all requirements of ATA with the inclusion of a mentoring program for ATA students. ATA II students will also be team leaders for technology-based projects.

**Accounting I**
**Credit 1**
**Prerequisite: None**
Fee: None
This course will introduce the basic principles of accounting such as recording journals, posting to ledgers, preparation of financial statements, and the process of closing books. Learning the vocabulary, understanding the fundamental accounting procedures are major aspects of the course. A learn by doing approach is stressed with lots of practical application.

**Accounting II**
**Credit 1**
**Prerequisite: Accounting I** Fee: None
This course is a continuation of Accounting I, but will go into greater detail including aspects of corporate accounting and automated accounting. Computerized accounting methods will be taught including some spreadsheet applications.

**CBI Related (classroom)**
**Credit 1**
**Prerequisite: Junior Standing**
Fee: $3.00
The course helps students develop employable skills, implement a career plan, and participate in a career pathway. Instruction includes problem solving, communicating effectively, applying technology, work responsibility, planning and managing a career, and resource management. In order to be considered for CBI students must qualify. See Mr. Ferguson with questions.

**CBI (work)**
**Credit 1-4**
**Prerequisite: Concurrent registration in CBI Related and must be a Junior or Senior** Fee: None
Work-based learning consists of paid work experience and/or non-paid work-based learning. Every 120 hours of work will earn 1 credit. A maximum of 4 credits may be earned. Students must qualify for CBI Related. **Students who enter the program must qualify either financially or academically.**

**Career Connections (2nd semester)**
**Credit: .50**
**Prerequisite: Must be a junior or senior student who qualifies for this class** This class is added to students who are in need of a seal for graduation requirements. Students will complete the Ohio Means Job Readiness Seal throughout this class.

**Work Study Credit 1-4**
**Prerequisite: Acceptance into program**
Fee: None
Work Study is a way a student may receive academic credit toward graduation by working or volunteering in the community. A student may earn up to one credit for each 120 hours she/he works. The Work Study credit counts as elective credit; it cannot take the place of required credits such as English, Math, Science and Social Studies. Whether or not a student will be eligible to receive Work Study credit is a team decision. Freshmen and sophomores *can* earn up to 2 credits per year and Juniors and Seniors *can* earn up to 4 credits per year.

**Business & Management Credential Course (1 semester)**
**Credit: .50**
**Prerequisite: Acceptance Into Program**
This course will offer the student the opportunity to earn the 3 credentials of Lean Six Sigma (LSS) Yellow Belt, LSS Green Belt, and Student Leadership Excellence. The Lean Six Sigma (LSS) portion of the course allows the student to learn a team-based, problem-solving methodology used by millions of businesses and organizations worldwide. Lean Six Sigma follows a structured approach called DMAIC (Define, measure, Analyze, Improve, Control) in a path toward solutions and gains, commonly in the form of reduced waste or improved quality. The Student Leadership Excellence (SLE) portion of the course will allow the student to study and put into practice The Five Practices of Exemplary Leadership outlined in *The Leadership Challenge* by James Kouzes and Barry Posner. All three credentials will be nice additions for students to share on their resume and in their future careers. (Aligned with CBI First Semester)

**Manufacturing Skill Standards Council Credential Course (2 Semesters)**
**Credit: 1**
**Prerequisite: Acceptance Into Program**
This course will offer the student the opportunity to engage in the Manufacturing Skill Standards Council Certified Production Technician (CPT) certificate program. The program will help prepare the student with the skills necessary for entry level to front-line supervisor positions. It is ideal for individuals with limited to no prior knowledge of manufacturing to begin a career pathway in the

high skill, high wage, in-demand manufacturing industry. The CPT program consists of 4 individual certificate assessments in Safety, Quality Practices & measurement, manufacturing Processes & Production, and Maintenance Awareness. Use of the Amatrol Skill Boss trainer will allow the student to learn through hands-on application of principles learned. (Aligned with Ag Mechanical Principles)

## English

**English 9**
**Credit 1**
**Prerequisite: None**
Fee: None
A variety of types of literature are studied. Grammar and vocabulary skill development is emphasized. Students will write essays with the focus on college composition preparation.

**Freshman Literature and Writing**
**Credit 1**
**Prerequisite: Eighth Grade Teacher Recommendation**
Fee: None
This course is for those students with a sincere desire to learn and compete with highly motivated students who love challenging literature and welcome creative writing assignments and advanced vocabulary development.

**English 10**
**Credit 1**
**Prerequisite: English 9 or Freshman Literature and Writing**
Fee: None
Students will develop reading, writing, speaking, listening and viewing skills through the study of language and literature. An emphasis is placed on the study of literature that makes connections with the past, present, and future. Students will explore themes which reflect the concerns of different cultural societies and how they relate to everyday living. The curriculum will also emphasize character-based education as a means to help students develop an understanding of decision making and leadership skills. Written and oral projects include literary analysis, technical, persuasive and personal essay formats.

**English 11**
**Credit 1**
**Prerequisite: English 10**
Fee: None
American Literature is the focus, beginning with Colonial American texts and continuing through post-modern works. Literature, film, music, and other manners of texts will be read an analyzed. Writing will focus on persuasive writing, comparison papers, formal research papers, and short stories. The focus is on college composition preparation.

**English 12**
**Credit 1**
**Prerequisite: English 11**
Fee: None
The emphasis is on British Literature, beginning with the Anglo-Saxon era and continuing through the post-modern era. Students will write essays with a focus on voice, learn to analyze film as a text, compare and contrast differing texts, and fine-tune their research writing skills. Focus is on college composition preparation and writing after high school, including resumes and letters of intent.

**CCP English 1 - ENG 121S English Composition & ENG 123S Introduction to Literature**
**Credit 1**
***Credit Hour (s) 3 College Credit Plus Course***
**Prerequisite (s): Has met Edison State Community College Requirements (Minimum B in English 10, ACT Reading Score of 22+, or an Accuplacer Score of 250+ AND a 2.75GPA)**
Study and practice of essay writing by reading published authors and producing college-level writing for a variety of audiences and purposes. Employs critical thinking and analytical skills in both formal and informal writing. Formal writing is based on reporting information, narration, analysis, and research. All writing will stress Standard English, organization, and style.

Study in the reading of fiction, poetry, and drama. Students will learn to respond to literature from a critical perspective through both class discussions and assigned writings. For seniors, this class also includes the first half of senior project. The National Trail Senior Project program offers students the opportunity to practice real world skills that the business world and universities have asked high school educators to provide. First semester expectations include developing a topic, researching that topic, beginning to search for a mentor, and completing the senior project research paper.

This is a combination of two CCP classes.

**CCP English 2- ENG 122S English Composition II & ENG 221S American Literature Pre-Colonial to 1890**
**Credit 1**
***Credit Hour (s) 3 College Credit Plus Course***
**Prerequisite (s): Has completed ENG 121S and all NTHS requirements and met Edison State Community College Requirements for ENG 121S**
Study and practice of essay writing, including formal essays, reviews, and research papers, based on the study of logic and library research. Writings will stress organization, argument, referencing techniques, and the use of Standard English.

Study of America from the beginnings of pre-European settlement until the early 20th century. Students will read, discuss, and write about the historical, social, political, and religious

perspectives that influenced the literary expression of the writers. Study includes prose, poetry, and drama.

This is a combination of two CCP classes.

**Creative Writing 1 (Semester Course)**
**Credit: 0.5**
**Prerequisite: None**
Fee: None
In this course, students will explore the art and craft of creative writing through poetry, short fiction, and personal narrative. Emphasis will be placed on developing a writer's voice, as well as experimenting with language, literary techniques, and structure to convey meaning and emotion.

**Myths and Legends (Semester Course)**
**Credit 0.5 (elective)**
**Prerequisite: None**
In this course, students will explore myths, legends, and folktales from cultures around the world to examine how stories explain the unknown, reflect cultural values, and shape human identity.

**Literature in Film I & II**
**Credit 0.5**
**Prerequisite: English 9**
Fee: None
This course is designed for students to have the opportunity to develop and enhance their listening and observation skills and their appreciation for good literature by viewing, discussing, and comparing the cinematic (movie) adaptations and representations of various popular, contemporary, and classic works of literature. Viewing film versions of various short stories, novels and plays that we read will provide students the chance to experience these worthwhile literary works in a medium that is more familiar and will allow for more complete understanding of, and appreciation for, the original, written form. Students will also study the progression of film, starting with the late 1880s and will view various films from each decade.

## Family and Consumer Science

**Personal Financial Management**
**Credit 0.5**
**Prerequisite: Freshmen only, taken 1st or 2nd semester opposite of Computer I.**
Fee: $5.00
In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing, and risk management.

**Nutrition and Wellness**
**Credit 0.5**
**Prerequisite: Sophomore standing, 1st or 2nd semester, taken opposite of Phys Ed.**
Fee: $30.00
In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

**Advance Family and Consumer Science**
**Credit 0.5**
**Prerequisite: Junior or Senior**
Fee: $30

**Renaissance Leadership**
**Credit 1 (opportunity for it to be a semester course as well)**
**Prerequisite: 2.0 cumulative GPA, application process**
Fee: $25
This is a course for 9th-12th grade students. Students who wish to apply and enroll in the Renaissance class must have a 3.0 cumulative GPA and maintain a GPAof 3.0 or higher each term they are in the class. Students must apply for the class in the spring and be selected by the Renaissance staff. Renaissance members will be responsible for planning and organizing Renaissance activities throughout the school year including academic rallies, Renaissance Member Only events, as well as other activities for the students, faculty, and staff. The members of Renaissance will also work to establish and maintain relationships with local businesses that help to sponsor events and incentives for the school. Students will earn elective credit for this course. Students who are interested in enrolling in the Renaissance class should see Mrs. Hoke or Mrs. Laird for details.

## Foreign Language

**Spanish I**
**Credit 1**
**Prerequisite: None**
Fee: $12.00
This course is a comprehensive study of the fundamentals of the Spanish language. The course is introduced with oral practice after which grammar and vocabulary are added. The communicative approach is emphasized thereby giving the students frequent opportunity for listening, speaking, writing, and reading the language. Course study will also include Spanish culture, geography, and history.

**Spanish II**
**Credit 1**
**Prerequisite: 75% average in Spanish I and/or Instructor's Approval**
Fee: $13.00
This course is a continuation of Spanish I that stresses communication, along with a more detailed study of vocabulary and grammatical structures. Students at this level will be expected to interpret basic authentic texts, give written and oral reports, and communicate interpersonally in the language.

**Spanish III**
**Credit 1**
**Prerequisite: 75% Average in Spanish II and/or Instructor's Approval**
Fee: $13.00
This course is a continuation of Spanish II. Communication is stressed, along with a more detailed study of vocabulary and grammatical structure. Students will give oral and written reports in the language and will continue to become more proficient in the language.

**Spanish IV**
**Credit 1**
**Prerequisite: 75% Average in Spanish III and/or Instructor's Approval**
Fee: $10.00
This **weighted** course consists of reading a more advanced level of authentic Spanish texts, literature and poetry. It will help prepare the student for college level Spanish as emphasis will be placed on reading, writing, listening, and speaking in the language. Discussion as a response will also be emphasized.

## Health and Physical Education

**Health**
**Credit 0.5**
**Prerequisite: None**
Fee: $1.25
This year we will start with health topics closely related to the growing body. Units that we will explore will be the following; CPR and First-Aid, Nutrition, Alcohol, Drugs, and Tobacco, Life Cycle, and Lifestyle and STD's. These units will help you understand how the human body grows and affects the environment around you.

**Physical Education I**
**Credit 0.25**
**Prerequisite: None**
Fee: None
This year we will begin to learn more than skills and execution of skills. The focus will be on concepts of games along with the strategies to make for more exciting and meaningful activities. Units that will be covered are the following; Ultimate Frisbee, Indoor/Outdoor Soccer, Football, Softball, Volleyball, and Basketball. Students will have the opportunity to gain knowledge and motor skills to live a physically active lifestyle.

**Physical Education II**
**Credit 0.25**
**Prerequisite: PE I**
Fee: None
This is the second course in the physical education program. Students will participate in the following activities: team sports, organized games and recreational sports.

**Advanced Physical Education I**
**Credit 0.25**
**Prerequisite: 85% average in PE I and II**
Fee: None
The premise of this class is to instill teamwork and good sportsmanship into each individual student. The activities include: ultimate frisbee, softball, football, soccer, volleyball, basketball, hockey, and fitness. Accelerated exercise routines that demand students being physically challenged are instituted in Advanced PE I and II.

**Advanced Physical Education II**
**Credit 0.25**
**Prerequisite: 85% average in PE I and II**
Fee: None
Advanced PE II is designed for individual sports and activities. The premise of the class is to instill lifelong activity and wellness into each individual student. The activities will include cardiovascular fitness, weight training, core training, court sports, and recreational sports and activities. Accelerated exercise routines that demand students being physically challenged are instituted in Advanced PE I and II.

**Fitness and Kinesiology I and II**
**Credit 0.5 per sem.**
**Prerequisite: 85% average in PE I and II**
Fee: None
These two semester classes will complete a mesocycle of strength training from the hypertrophy phase to the power phase of strength training. The student will learn various lifting techniques, weight training principles, anatomical facts, and nutrition information that will improve weight training success. Each student will develop and implement a personal weight training program.

## Mathematics

### Math 9
**Credit 1**
**Prerequisite: Freshman standing**
**Fee: None**
Math 9 will help students build upon foundational math skills to be successful in Algebra I and II. This class is intended as a bridge between Junior High and High School Math to help students transition to Algebra I as a sophomore.

**Algebra I Credit 1**
**Prerequisite: Freshman standing**
Fee: None
Algebra 1 will study numbers and the axioms of Algebra. Emphasis will be placed upon working with real numbers, variables, solving equations, inequalities, working with polynomials, factoring polynomials and problem solving. A calculator is required.

**Geometry Credit 1**
**Prerequisite: Algebra 1**
Fee: None
Both plane and solid geometry are studied in this course. Students will study proofs by induction and deduction, angle relationships, parallel lines, congruent triangles, polygons, circles, and coordinate geometry.

**Algebra II Credit 1**
**Prerequisite: Geometry**
Fee: None
First and second degree equations, functions, relations, factoring polynomials, solving systems of linear, quadratic and irrational equations, radicals and imaginary numbers, conics, probability, statistics and trigonometry are studied. A graphing calculator is required.

**Pre-Calculus Credit 1**
**Prerequisite: Algebra 2**
Fee: None
Students will develop skills in this course to solve, graph, and evaluate the domain and range for functions involving rational, irrational, polynomial, trigonometric, exponential, and parametric equations. Students will solve systems of equations; use logarithmic matrices, sequences and series. Students will also learn to apply trigonometric laws to solve triangular theory problems. A graphing calculator is required.

**MTH128S Pre- Calculus- Year Long**
**Credit 1**
***Credit Hour (s) 5 College Credit Plus Course***
**Prerequisite: Has completed all NTHS requirements and Edison requirements (B or higher in Algebra II, ACT Math Score of 22+, or an Accuplacer score of 263+ AND 2.75 GPA)**
Survey of polynomial, rational, radical, exponential, logarithmic, trigonometric, and inverse trigonometric functions and their graphs, with associated algebraic techniques. Topics also include systems of equations, inequalities, elementary matrices, basic trigonometric ratios, trigonometric identities and equations, vectors, polar coordinates, complex numbers, comics, sequences and series.

**MTH 221S Calculus and Analytical Geometry I- Year Long**
**Credit 1**
***Credit Hour (s) 5 College Credit Plus Course***
**Prerequisite: Has completed all NTHS requirements and MTH 128S**
Introduction to differential and integral calculus. Includes differentiation and integration of algebraic and transcendental functions with applications to science and engineering.

**Calculus**
**Credit 1**
**Prerequisite: Pre-Calculus**
Students will learn applications of trigonometric functions, sequences, series, limit logarithmic functions, matrices, vectors, linear transformations, derivatives, integrals and graphing three-dimensional space. This course is designed for students studying for a career in the areas of mathematics and science. A graphing calculator is required.

**Probability & Statistics**
**Credit 1**
**Prerequisite: 3 years of Math**
Probability & Statistics will enhance problem solving, reasoning, and critical thinking by taking students through a more advanced study of algebra, geometry, Trigonometry, & probability and statistics.

**Transitional Math for seniors**
**Credit 1**
**Prerequisite: 3 years of Math, must be a senior, and/or teacher approval**

This fourth year math course will cover real world math topics that will be important for practical matters beyond high school. The goal of the course is to provide seniors with the math skills for real-world living. Topics covered include: Budgeting, Shopping, Taxes, Annuities, 401K plans, Bonds, Stocks, Mortgages, and Loans. In addition, fractions, decimals, and percentages in everyday life situations will be taught. Topics also include managing bills, paychecks, online banking, and bank accounts. In addition, area and angles in regards to building practical materials and remodeling buildings is discussed.

## Music

**Band**
**Credit 1**
**Prerequisite: Director Approval**
Fee: $20.00
Band is open to any student who has developed the proficiency on his/her instrument and the understanding of music needed to adequately perform his/her part in the band setting. Students planning to join band with little experience must take private lessons over the summer to gain the skills necessary to join the band. Marching Band meets during the school day as well two days a week after school but is not required for Concert Band. Students will prepare for three concerts, solo ensemble contests, Veteran's Day program, all-county band, honor bands, district and state competitions, Memorial Day concert/parade, and the graduation performance. This course requires after-school participation. Self-confidence, discipline, teamwork, and pride in the band are important aspects of the course.

**Guitar I**
**Credit 0.5**
**Prerequisite: No prior guitar experience**
Fee: $15.00
Guitar I is intended for students with no prior guitar experience. This course is designed to introduce students to the fundamentals of the guitar. Guitar instruction will emphasize basic technique, music reading, progressions, and music theory. Music literature will be selected from classical and contemporary repertoire. Students with prior guitar experience will not be permitted to take this course.

**Ukulele**
**Credit 0.5**
**Prerequisite: No Prior Ukulele Experience**
Fee: $15.00
Ukulele is a semester course offered at NTHS for students in grades 9-12. Ukuleles have gained recent popularity all over the country because of their ease of playing, wonderful sound, portability, and musical versatility. This class will introduce students to the basic techniques of playing the ukulele. Students will learn how to read ukulele chord charts, tablature, and will be introduced to the basics of reading music. Students will play popular Americana songs, which utilize and demonstrate the skills taught in class. No previous music knowledge necessary!

**Music Through the Decades**
**Credit 0.5**
**Prerequisite: None**
This class is designed to familiarize the student with the history of music through the decades (50s to present). Students will learn about life in that decade, genres and artists. Prominent artists and groups from each era will be covered, as well as sociological, economic and cultural factors that shaped the many styles of music. Extensive classroom listening, demonstrations, performances will help enhance the learning experience.

**Music History and Appreciation Credit 0.5**
**Prerequisite: None**
Fee: None
Students will develop an understanding and appreciation for all genres of music. Through the use of textbooks, listening examples, and lectures, students will develop the ability to recognize various types of music, categorize instruments, read musical notation, and make thoughtful criticism of musical works. Students will also study the history of music, including time periods, terms, and composers.

**HS Steel Band**
**Credit 1**
**Prerequisite: Director Approval**
Fee: $31.00
Beginning Steel Band is a full-year educational commitment. Students will learn to play the steel drums and steel band music. Students will learn a variety of musical styles including soca and calypso. This is a skill building course and performances are based on skill level.

**Advanced Steel Band**
**Credit 1**
**Prerequisite: Director Approval**
Fee: $31.00
Advanced Steel Band is a full-year educational commitment. The prime objective of this group is to play independently and in an ensemble while demonstrating technical and stylistic accuracy and musical expressiveness. Students will be introduced to a more advanced repertoire, which will also include improvisation. Advanced Steel Band performs concerts throughout the year and other requested engagements for which attendance is mandatory.

**Concert Choir**
**Credit 1**
**Prerequisite: Director Approval**
Fee: $15.00
Concert Choir is a full-year educational commitment open to all students who are interested in singing and performing. Emphasis is placed on the basics of proper individual and group singing including posture, tone, intonation, blend and balance. Students perform a variety of choral literature representing various styles. The Choir will perform concerts throughout the year and other requested engagements for which attendance is mandatory. After-school activities and

practices are integral to the course.

## Science

Students must complete 1 credit from the Physical Science grouping, 1 credit from the Life Science grouping and 1 credit from any of the 3 science groupings.

### Physical Science Requirements

**Physical Science**
**Credit 1**
**Prerequisite: None**
Fee: $8.00
The properties of matter and energy are the focus of this course. The composition of atoms and how they combine and interact will be studied. Related topics include acids, bases, bonding and household chemicals. Additional topics include: simple machines, forms of energy, electricity, light, and how energy is transferred.

**Chemistry**
**Credit 1**
**Prerequisite: Geometry**
Fee: $15.00
This course is a basic study of matter, and the changes that matter undergoes. Major topics include history, stoichiometry, quantitative and qualitative analysis, reaction theory, and the fundamentals of inorganic and organic chemistry. The laboratory work is designed to improve basic skills of scientific inquiry and give a better understanding of chemical reactions.

**Physics**
**Credit 1**
**Prerequisite: Concurrent with Pre-Calculus or Calculus, Minimum of 'C' average in Algebra II**
Fee: None
This **weighted** course is the study of the mechanics of heat, electricity, magnetism, and light as well as a unit in modern physics referred to as atomic or nuclear physics. Basic ideas and unifying principles are stressed. A student completing the course should view physics as interdependent with other sciences and have gained an understanding of the natural laws of 
controlling events happening in the world today. A minimum of a 'C' average in Algebra II is required.

### Life Science Requirements

**Biology**
**Credit 1**
**Prerequisite: Physical Science or Instructor Approval**
Fee: $10.00
Biology is the foundational study of all life sciences. Early topics begin with a review over scientific method, as well as biochemistry, and quickly move into the study of cells and microbiology. Once mastery of these topics has been achieved, investigations into DNA, patterns

of genetics, heredity, ecology, and evolution are undertaken in order to better explain the diversity of life. Completion of this course is required for any further life sciences. Lab work is required.

**Anatomy and Physiology**
**Credit 1**
**Prerequisite: Biology and/or concurrent with Chemistry**
Fee: $20.00
A Biology grade no lower than a 'C' must be earned. This advanced course emphasizes the structures of the human body, and how the parts function together. Introductory topics increase in complexity beginning with a review of biochemistry, and cellular organization, and building up to studies of the major human organ systems (eg. skeletal, muscular, nervous, etc.) Emphasis is placed upon hands-on laboratory experiences, as well as practical identification of all major internal organs, specific muscles, and bones. This course is recommended for both students simply wanting to learn more about their own body, as well as those considering future medical related fields.

**BIO125S Anatomy and Physiology I- Year Long**
**Credit 1**
***Credit Hour (s) 4 College Credit Plus Course***
**Prerequisite: Has completed all NTHS requirements and Edison Requirements (Completed Chemistry with a B or higher)**
Introduction to the structure and function of the human body. Includes the study of cells, tissues, and the following systems: integumentary, skeletal, muscular, and nervous. Three hours of lecture and two hours of lab each week.

**Zoology Credit 1**
**Prerequisite: Biology and (or concurrent with) Chemistry**
Fee: $12.00
A Biology grade no lower than a ‘C’ must be earned. This advanced course is a detailed study of the major invertebrate and vertebrate animal groups. Introductory topics are based on what students learned from Biology, but increase in their level of difficulty and detail. Emphasis is placed on the classification of animals by their comparative anatomy and behavior. Hands-on laboratory experience and practical identification are a major part of this class.

## Other Science Options

**Astronomy**
**Credit 1**
**Prerequisite: Physical Science and Biology**
Fee: $10.00
This course covers topics such as the history of the universe, star formation and life cycle, types of galaxies, and constellations. Earth’s position in space and natural phenomena ( moon phases, seasons, tides) will be investigated. Students will also study the history and current advances of the space program.

**Earth Science**
**Credit 1**
**Prerequisite: Physical Science and Biology**
Fee: $10.00
Earth Studies will encompass a variety of scientific areas of study related to the 5 spheres of our planet. These areas include but are not limited to: Geology (rocks, minerals, plate tectonics, volcanism, earthquakes, fossils and geologic time), Meteorology ( air pressure, temperature, humidity, weather prediction), Oceanography( ocean currents, global climate) and Environmental Studies.

**Forensics Credit 1**
**Prerequisites: Junior or senior standing, and successful completion of biology**
Fee: $10.00
In this course we will be focusing on the basics of evidence collection, crime scene preservation, fingerprints, death/decomposition, ballistics, blood, trace evidence, DNA, and careers in forensics. This class will be based on principles from the following science classes: Physical Science, Biology, Chemistry, and physics. Students must have completed biology to participate and be of junior or senior standing.

## Social Studies

**World History**
**Credit 1**
**Prerequisite: None**
Fee: $2.00
World History focuses on world events that have shaped society, government, and world policies from the 1700's to present day. Students will gain insight to political, economic, and governmental development while gaining a perspective of how each of these has influenced countries worldwide.

**American History**
**Credit 1**
**Prerequisite: None**
Fee: $2.00
This course will cover development from the late 1800's through the present. The content of the course will include history, culture, geography, economics, government, citizenship and skills used in social studies. A historical view of our nation in this world will be presented. Through this view, the student will begin to make reasonable and responsible decisions required for effective citizenship.

**The 60's Credit 0.5**
**Prerequisite: Successful completion of American History**
Fee: $2.00
This is a semester class that will explore the decade of the 60's. The students will study the Vietnam War, the Kennedy, Johnson, and Nixon presidency, the civil rights movement, and other events that continue to shape our world today.

**Current Issues Credit 0.5**
**Prerequisites: Sophomore standing or above**
Fee: $2.00
This is a semester class that is designed to help students follow contemporary historical, political, economic, and cultural trends. The course will emphasize social studies skills and methods needed for independent study. Classroom activities will involve discussion, debates, presentations, and other individual and group projects.

**Government**
**Credit 1**
**Prerequisite: Junior or Senior Standing**
Fee: $15.00
U.S. Government covers the major elements of the Constitution and the governing of the United States. The topics to be discussed will include federalism, the three branches of government, and the Bill of Rights. The economic component will include financial literacy, the free enterprise system, and current issues in today's economy.

**Fundamentals of Economics- 2nd semester**
**Credit 1**
**Prerequisite: Government**
Introduction to microeconomic and macroeconomic principles. Includes resource allocation, economy of the United States, the role of government, forms of competition, economics of business and production, supply and demand, price, banking and money, and international trade.

**World Geography- Semester class**
**Credit 0.5**
**Prerequisite: Senior standing**
This course builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the lens of geography. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements.

**Street Law- Semester class**
**Credit 0.5**
**Prerequisite: Senior Standing**
Street Law is a course that provides understanding of our legal system, its place in society and its relationship to individuals. The student will learn the social and legal background of our way of life and have the opportunity to see our legal system at work. Many areas of law are discussed such as criminal, juvenile, civil, family and landlord/tenant law. Activities may include students

participating in a mock trial or debate about a current issue. Field trips may include the Common Pleas Court, Probate Court, Juvenile Court, jail, or Municipal Court. Street Law also includes the second half of the Senior Project. The National Trail Senior Project program offers students the opportunity to practice real world skills that the business world and universities have asked high school educators to provide. Second semester expectations include producing a product, presenting a presentation to judges, and completing a portfolio.

**College Exploration & Admissions (1st semester)**
**Credit: .5**
**Prerequisite: Senior Standing**
This course will detail elements related to exploring options for obtaining a college education. Topics include: college costs, types of institutions including career and vocational schools, community or 2-year colleges, as well as private and public colleges and universities, paying for college, completing the FAFSA, and the college application process. Students will be provided opportunities to explore college options of interest, complete virtual tours, attend college visits pending approval to various local institutions, and hear guest speakers and consult admissions advisors from schools of interest. Students will explore potential majors, minors, and career objectives. Students will be given opportunities to work on college applications and receive guidance and support using resources such as Common App. In addition, students will learn related skills including building an academic resume, obtaining quality college admissions recommendations, and essay writing techniques to assist them with college admissions essays.

**Financial Aid & Scholarship Prep (2nd semester)**
**Credit: .5**
**Prerequisite: Senior Standing & College Exploration & Admissions**
This course will detail different elements related to obtaining financial aid for college or technical school. Students will learn about the FAFSA. Merit-based aid and need-based aid will all be explored. Students will have opportunities to complete and prep for scholarship applications in class. Students will learn essay writing techniques, how to fill out scholarship applications, scholarship research techniques, how to obtain quality recommendations, and more. In addition, students will learn about alternative types of financial aid including grants, work study opportunities, and subsidized, unsubsidized, consolidation, and private loans. Students will also explore college costs and be given opportunities to research these related to their individual schools of interest.

**The Art of Wonder: Philosophy for Everyday Life**
**Credit: .5**
**Prerequisite: None**

Discover how philosophy isn't just for the pages of ancient texts but a practical and inspiring lens through which we can navigate modern life. In this course, students will explore timeless questions about truth, meaning, ethics, and existence while learning how philosophical thinking applies to everyday situations—from personal decision-making to understanding others' perspectives. With a focus on curiosity, critical reasoning, and engaging dialogue, this course invites students to cultivate the "art of wonder" as a lifelong tool for exploring the world. Along the way, we'll unpack ideas from great thinkers, from Socrates to contemporary philosophers, and reflect on what it means to live a meaningful, authentic life.

By the end of the course, students will not only deepen their understanding of philosophy but also develop the skills to think deeply, question wisely, and approach life with an open yet discerning mind.

# NTHS COURSE FEES

| | | |
|---|---|---|
| 9212 | ACCOUNTING 1 | $24.00 |
| 9311 | ACCOUNTING 2 | $24.00 |
| 9228 | ACT TEST PREP | $25.00 |
| 6103 | ADVANCED STEEL BAND | $31.00 |
| 9101 | AG FOOD&NATURAL RESOURCES | $15.00 |
| 8201 | AMERICAN HISTORY | $2.00 |
| 7403 | ANATOMY & PHYSIOLOGY | $20.00 |
| 101 | ART 1 | $30.00 |
| 201 | ART 2 | $30.00 |
| 301 | ART 3 | $30.00 |
| 401 | ART 4 | $30.00 |
| 6101 | BAND | $20.00 |
| 6102 | BEGINNING STEEL BAND | $31.00 |
| 7202 | BIOLOGY | $10.00 |
| 1102 | CAREER BASED INTERVENTION RELA | $3.00 |
| 7302 | CHEMISTRY 1 | $15.00 |
| 9227 | CHILD DEVELOPMENT | $5.00 |
| 6304 | CHOIR | $15.00 |
| 7201 | EARTH & SPACE SCIENCE | $10.00 |
| 9122 | FINANCIAL MANAGEMENT 1 | $5.00 |
| 9222 | FINANCIAL MANAGEMENT 2 | $11.00 |
| 7407 | FORENSIC | $10.00 |
| 3301 | FRENCH 3 | $10.00 |
| 3303 | FRENCH 4 | $10.00 |
| 8401 | GOVERNMENT | $15.00 |
| 501 | GRAPHIC DESIGN | $25.00 |
| 6501 | Guitar 1 | $15.00 |
| 4103 | HEALTH | $1.25 |
| 9223 | HEALTHY LIVING 1 | $30.00 |
| 9225 | HEALTHY LIVING 2 | $30.00 |
| 9233 | INTERIOR DESIGN, FURNISHINGS | $10.00 |
| 9231 | Nutrition and Wellness | $30.00 |
| 9229 | Personal Financial Management | $5.00 |
| 1 | PHYSICAL EDUCATION I & II | $2.00 |
| 7101 | PHYSICAL SCIENCE | $8.00 |
| 9235 | Renaissance Leadership | $25.00 |
| 3102 | SPANISH 1 | $12.00 |
| 3202 | SPANISH 2 | $13.00 |
| 3302 | SPANISH 3 | $13.00 |
| 3403 | SPANISH 4 | $10.00 |
| 8306 | THE 60'S | $2.00 |
| 6503 | UKULELE | $15.00 |
| 6502 | WORLD MUSIC | $15.00 |
| 8101 | WORLD HISTORY | $2.00 |
| 7402 | ZOOLOGY | $12.00 |

## OHIO COLLEGE INFORMATION

## PUBLIC UNIVERSITY

**Bowling Green State University**
www.bgsu.edu
**Central State University**
www.ces.edu
**Cleveland State University**
www.csuohio.edu
**Edison Community College**
**www.edisonohio.edu**
**Hocking College**
www.hocking.edu
**Kent State University**
www.kent.edu
**Miami University**
www.muohio.edu
**Northeast Ohio Medical University**
www.neomed.edu
**Ohio State University**
www.osu.edu
**Ohio University**
www.ohiou.edu
**Shawnee State University**
www.shawnee.edu
**Sinclair Community College**
www.sinclair.edu
**University of Akron**
www.uakron.edu
**University of Cincinnati**
www.oes.us.edu
**University of Toledo**
www.utoledo.edu
**Wright State**
www.wright.edu
**Youngstown State University**
www.ysu.edu

**College of Mount St. Joseph**
www.msj.edu
**College of Wooster**
www.wooster.edu
**Columbus College of Art & Design**
www.ccad.edu
**Denison University**
www.defiance.edu
**Hiram College**
www.hiram.edu
**Heidelberg University**
www.heidelberg.edu
**Kenyon College**
www.kenyon.edu
**Marietta College**
www.marietta.edu
**Mount Carmel College of Nursing**
www.mccn.edu
**Muskingum University**
www.muskingum.edu
**Oberlin College**
www.oberlin.edu
**Ohio Dominican University**
www.ohiodominican.edu
**Ohio Northern University**
www.onu.edu
**Ohio Wesleyan University**
www.owu.edu
**Otterbein University**
www.otterbein.edu
**University of Rio Grande**
www.rio.edu
**University of Mount Union**
www.mountunion.edu

## PRIVATE COLLEGES AND UNIVERSITY

**Antioch College**
www.antioch-college.edu
**Art Academy of Cincinnati**
www.artacademy.edyu
**Ashland University**
www.ashland.edu
**Baldwin-Wallace College**
www.bw.edu
**Bluffton College**
www.bluffton.edu
**Capital University**
www.captial.edu
**Case Western Reserve University**
www.cwru.edu
**Cedarville College**
www.cedarville.edu
**Cincinnati Bible College**
www.cincybible.edu
**Cleveland Institute of Art**
www.cia.edu

**University of Dayton**
www.udayton.edu
**Wilmington College**
www.wilmington.edu
**Wittenberg University**
www.wittenberg.edu
**Xavier University**
www.xavier.edu

**COLLEGE CREDIT PLUS PATHWAYS**

NTHS will be offering the following courses for college credit:

| NTHS College Credit Plus Course Offerings | | | | |
|---|---|---|---|---|
| **Course Number & Name** | | **Cr Hrs** | **College Granting Credit** | **Length of Course** |
| **English** | | **12** | | |
| ENG121S | English Composition I | 3 | Edison | Semester |
| ENG123S | Introduction to Literature | 3 | Edison | Semester |
| ENG122S | English Composition II | 3 | Edison | Semester |
| ENG222S | American Literature | 3 | Edison | Semester |
| **Math** | | **10** | | |
| MTH128S | Pre-Calculus | 5 | Edison | Year |
| MTH221S | Calculus & Analytical Geometry | 5 | Edison | Year |
| **Science** | | **4** | | |
| BIO125S | Anatomy & Physiology | 4 | Edison | Year |

**Total Credits offered for the 2026-2027 School Year: 26**

**Edison Community College: Pathways to College-Associate of Arts Degree**

| Program | Courses required | CLEP Test (score of 50 or higher) | CC+ (dual enrollment) | CC+ (available on campus) |
|---|---|---|---|---|
| **AA Degree** | | | | |
| 0-3 credit hrs | **Computer Literacy** | | | |
| | **CIT 110S** or **CIT 100S** and two additional 1-hour modules **CIT 101S** or **CIT 104S** and **NET 100S** are recommended unless another course recommended by the faculty advisor is more appropriate for the student's major. | | | X |
| 9 credit hrs | **Communication Arts** | | | |
| | ENG 121S Composition I | X | X | X |
| | ENG 122S Composition II | | X | X |
| | COM 121S Fundamentals of Communication | | | X |
| 12 credit hrs | **Social and Behavioral Sciences** | | | |
| | **(at least two disciplines)** | | | |
| | ANT 121S Introduction to Anthropology | | | X |
| | ECO 120S Fundamentals of Economics | | | X |
| | ECO 221S Principles of Microeconomics | X | | X |
| | ECO 222S Principles of Macroeconomics | X | | X |
| | GEO 121S Physical Geography | | | X |
| | GEO 123S Human Geography | | | X |
| | HST 121S History of the United States I | X | X | X |
| | HST 122S History of the United States II | X | X | X |
| | HST 125S Western Civilization to 1715 | X | | X |
| | HST 126S Western Civilization Since 1715 | X | X | X |
| | PLS 121S American National Government | X | X | X |
| | PLS 122S State and Local Government | | X | X |

| | | | | |
|---|---|---|---|---|
| | PSY 121S Introduction to Psychology | X | | X |
| | SOC 121S Introduction to Sociology | X | | X |
| | SOC 224S Race and Ethnicity | | | X |
| 9 credit hrs | **Laboratory Science and Mathematics** | | | |
| | (Three hours of mathematics and six hours of lab science. Must include at least one Math course and two lab science courses.) | | | |
| | BIO 121S Intro Biology: Cells/Genetics/Evolution | X | | X |
| | BIO 122S Animals, Plants, Ecology | X | | X |
| | BIO 124S Human Biology | | X | X |
| | CHM 110S Introduction to Chemistry | | | X |
| | CHM 121S General Chemistry I | X | X | X |
| | CHM 122S General Chemistry II | X | X | X |
| | | | | |
| | GLG 121S Physical Geology | | | X |
| | GLG 122S Historical Geology/Contemporary Topics | | | X |
| | MTH 122S College Algebra | X | X | X |
| | MTH 123S Trigonometry | X | X | X |
| | MTH 125S General Statistics | | X | X |
| | MTH 127S Mathematical Foundations II | | | X |
| | MTH 128S Precalculus* New Course | | X | X |
| | MTH 221S Calculus/Analytical Geometry I | X | X | X |
| | MTH 222S Calculus/Analytical Geometry II | | X | X |
| | MTH 226S Calculus for Business & Life Sciences | | | X |
| | PHY 121S College Physics I | | X | X |
| | PHY 122S College Physics II | | X | X |
| | PHY 241S Science and Engineering Physics I | | X | X |

| | | | | |
|---|---|---|---|---|
| | PHY 242S Science and Engineering Physics II | | | X |
| 12 credit hrs | **Humanities** | | | |
| | HUM 121S Introduction to Humanities | | | X |
| | **(and nine hours from courses below)** | | | |
| | ART 123S Ancient Art History | | | X |
| | ART 124S Art History: the Modern Era | | | X |
| | ENG 123S Introduction to Literature | | X | X |
| | ENG 205S Great Books | | | X |
| | ENG 221S American Literature I | X | X | X |
| | ENG 222S American Literature II | X | | X |
| | ENG 241S British Literature I - Middle Ages /Restoration | | X | X |
| | ENG 242S British Literature II - Romantics /20th Century | | X | X |
| | MUS 120S Music Appreciation | | | X |
| | MUS 127S Music as a World Phenomenon | | | X |
| | PHI 121S Introduction to Philosophy | | | X |
| | PHI 123S Introduction to Ethics | | | X |
| | REL 121S World Religions | | | X |
| | THE 121S Introduction to Theater | | | X |
| 15-18 credit hrs | **Electives (towards field of study)** | | | |
| **60** | **Total Minimum Credit Hours** | | | |

****More Edison Associates Degree Pathways are available in the Guidance Office.**

# SINCLAIR COMMUNITY COLLEGE
# COLLEGE CREDIT PATHWAYS

SINCLAIR COMMUNITY COLLEGE

The Ohio Transfer Module (OTM) is a subset or a complete set of general education requirements at Ohio public colleges and universities. OTM courses are guaranteed to transfer to any of Ohio's public institutions of higher education as an area credit, as well as equivalent courses in English and Mathematics. Courses highlighted are not listed on the OTM.

**Sample 15-Hour Pathway**

| Course Number | Course Name | Credit Hours |
|---|---|---|
| COM 2211 | Effective Public Speaking | 3 |
| ENG 1101 | English Composition I | 3 |
| HIS 1101 | U.S. History I | 3 |
| MAT 1470 | College Algebra | 4 |
| PSY 1100 | General Psychology | 3 |
| | Total | 16 |

**Sample 30-Hour Pathway**

| Course Number | Course Name | Credit Hours |
|---|---|---|
| COM 2211 | Effective Public Speaking | 3 |
| ENG 1101 | English Composition I | 3 |
| HIS 1101 | U.S. History I | 3 |
| MAT 1470 | College Algebra | 4 |
| PSY 1100 | General Psychology | 3 |
| | Total | 16 |

| Course Number | Course Name | Credit Hours |
|---|---|---|
| COM 2206 | Interpersonal Communication | 3 |
| LIT 2220 I | Introduction to Literature | 3 |
| HIS 1102 | U.S. History II | 3 |
| MAT 1570 | Trigonometry | 3 |
| SOC 1101 | Introduction to Sociology | 3 |
| | Total | 31 |

**Sample Optional Courses**

| Course Number | Course Name | Credit Hours |
|---|---|---|
| HUM 1125 | Introduction to Humanities | 3 |
| HIS 1111 | Western Civilization I | 3 |
| MAT 1270 | Beginning Algebra | 3 |
| PHI 2205 | Introduction to Philosophy | 5 |
| PLS 1120 | American Federal Governme | 3 |
| FIN 2450 | Personal Finance | 3 |

| Course Number | Course Name | Credit Hours |
|---|---|---|
| HUM 1130 | Humanities & the Challenge of Technology | 3 |
| HIS 1112 | Western Civilization II | 3 |
| MAT 1370 | Intermediate Algebra | 5 |
| PHI 2206 | Introduction to Ethics | 3 |
| PLS 1232 | State & Local Government | 3 |

**Sample Optional Courses-These courses must have a high school teacher who qualifies as an adjunct.**

| Course Number | Course Name | Credit Hours |
|---|---|---|
| BIO 1111 | General Biology I | 4 |
| BIO 1117 | Lab for General Biology I | 0 |
| BIO 1121 | Human Anatomy & Physiology I | 3 |
| CHE 1211 | General Chemistry I | 5 |
| BIO 2235 | Genetics | 4 |
| MAT 1450 | Introduction to Statistics | 4 |

| Course Number | Course Name | Credit Hours |
|---|---|---|
| BIO 1211 | General Biology II | 4 |
| BIO 1217 | Lab for General Biology II | 0 |
| BIO 1222 | Human Anatomy & Physiology II | 3 |
| CHE 1221 | General Chemistry II | 5 |
| MAT 1580 | Pre-Calculus | 5 |

Students must choose courses from within either the 15-hour or 30-hour Pathway offered by the high school. Sinclair will work closely with high schools to develop appropriate pathways. The tables above list sample pathways and optional courses.

# College Credit Plus (CCP) Pathways Miami University

## Example of a 15-Credit Pathway

ENG 142 Life and Thought in American Literature (3 cr)
STA 261 Statistics (4 cr) or MTH 151 Calculus (5 cr)
ART 187 History of Western Art (3 cr)
HST 111 Survey of American History (3 cr)
MBI 111 Microorganisms and Human Disease (3 cr)
**Total Credits: 16-17**

## Example of a 30-Credit Pathway

ENG 142 Life and Thought in American Literature (3 cr)
STA 261 Statistics (4 cr) or MTH 151 Calculus (5 cr)
ART 187 History of Western Art (3 cr)
HST 111 Survey of American History (3 cr)
PHY 111 Astronomy & Space Physics (3 cr)
PHY 103 Concepts in Physics Lab (3 cr)
PSY 111 Intro to Psychology (4 cr)
POL 241 American Political System (3 cr)
MBI 111 Microorganisms and Human Disease (3 cr)
MBI 123 Experimenting with Microbes (1 cr)
**Total Credits: 30-31**

## Selection of Online Courses

CEC 101 Computing, Engineering, & Society (1 cr)
CHI 101 Elementary Chinese (4 cr)
CSE 102 Computing and Engineering (3 cr)
CSE 151 Computers, Comp Science, & Society (3 cr)
ECE 102 Computing and Engineering (3 cr)
FRE 202 Critical Analysis/French Culture (3 cr)
GEO 101 Global Forces, Local Diversity (3 cr)
GEO 121 Earth's Physical Environments (4 cr)
GLG 121 Environmental Geology (3 cr)
KNH 188 Physical Activity and Health (3 cr)
MTH 151 Calculus I (5 cr)
PSY 111 Introduction to Psychology (4 cr)
SOC 153 Sociology in a Global Context (3 cr)
SPN 201 Second Year Spanish (3 cr)
SPN 202 Second Year Spanish (3 cr)
STA 261 Statistics (4 cr)
THE 191 Experiencing Theatre (3 cr)

# National Trail High School
## *Local Seals*

| LOCAL SEAL | REQUIREMENTS |
|---|---|
| **Community Service Seal**<br><br>Complete a community service project aligned with the guidelines adopted by the student's local board of education or school governing authority.<br><br>A high-quality community service experience achieves the following:<br>1. helps students make invaluable connections in their community<br>2. gives students an opportunity to explore possible career options in the public, nonprofit and philanthropic sectors and gain valuable work skills<br>3. exposes students to the needs of their community and promotes an understanding of and the value in civic engagement as well as volunteerism 4. provides students with an opportunity to demonstrate social and emotional skills, academic knowledge, leadership, professionalism, and critical reasoning | 40+ hours of community service during high school (grades 9-12) as approved by administration and/or school counselors prior to engagement.<br>● Community Service Experience Agreement Form<br>● Log of Hours verified by organization<br>● Exceptions:<br>○ Class of 2021- 10 hours<br>○ Class of 2022- 20 hours<br>○ Class of 2023- 30 hours<br><br>*Court appointed hours may be used<br>**Volunteer experiences may not receive school credit or pay |
| **Fine & Performing Arts Seal**<br><br>Demonstrate skills in the fine or performing arts according to an evaluation aligned with guidelines adopted by the student's local board of education or school governing authority.<br><br>Examples of Fine and Performing Arts experiences include but are not limited to: Plays, Musicals, Theatre Productions, Community Band<br>Voice/Music/Art/Dance Lessons, Orchestra | Pass 2 courses in Fine Arts during High school grades 9-12, achieving a grade of C or higher<br><br>*or*<br><br>Pass 1 course in Fine Arts (grade C or higher) & participation in at least 120 hours of a community/school performance(s) successfully completed during grades 9-12<br><br>*Or*<br><br>Participate in at least 240 hours of a community/school performance(s) successfully completed during grades 9-12 |

| | |
|---|---|
| | *Participation in outside of school activity must be verified by an advisor* |
| **Student Engagement Seal**<br><br>Participate in extracurricular activities such as athletics, clubs or student government to a meaningful extent, as determined by guidelines adopted by the student's local board of education or school governing authority. | Participate in 4 full seasons of a school sponsored sport (or combination of sports) *or*<br>Participate in 4 full years of 1 (or combination of multiple) school sponsored club(s)/group(s) or student government<br><br>*Must be an active participant in club and have an advisor sign off* |
| **Red Cord Seal**<br><br>Participate in three or more Blood Drives. | Students 16 and up must register to give blood three times over the course of their HS career AND successfully receive the Red Cord.<br><br>*Will be listed as Student Engagement on final transcript. |

## State of Ohio Graduation Seals

1. **Ohio Means Jobs Seal**- *Meet the requirements and criteria established for the readiness seal, including demonstration of work-readiness and professional competencies.* ***Career Connections has been incorporated into our schedule to allow students to complete this seal during their senior year.***

2. **State Seal of Biliteracy**- *Meet the requirements and criteria, including proficiency requirements on assessments in a world language and English.*

3. **Industry-Recognized Credential Seal**- *Earn an approved industry-recognized credential that is aligned to a job considered in demand in this state and its region.*

4. **College-Ready Seal**- *Earn remediation-free scores on the ACT or SAT.*

5. **Military Enlistment Seal**- *Provide evidence that a student has enlisted in a branch of the U.S. Armed Forces; or participate in an approved JROTC program.*

6. **Citizenship Seal**- *A student can*
   a. *Earn a score of proficient or higher on both the American History and American Government end-of-course exams*

*a. Earn a score that is at least equivalent to proficient on approved Advanced Placement or International Baccalaureate exams*

*b. Earn a final course grade that is equivalent to a "B" or higher in an appropriate class taken through the College Credit Plus program.*

7. **Science Seal-** *A student can*

*a. Earn a proficient or higher on the Biology end-of-course exam*

*a. Earn a score that is at least equivalent to proficient on appropriate Advanced Placement or International Baccalaureate exams*

*b. Earn a final course grade that is equivalent to a "B" or higher in an appropriate class taken through the College Credit Plus program.*

8. **Honors Diploma Seal-** *Earn one of six Honors Diplomas outlined below:*

*a. Academic Honor Diploma*

*a. International Baccalaureate Honors Diploma*

*b. Career-Tech Honors Diploma*

*c. STEM Honors Diploma*

*d. Arts Honors Diploma*

*e. Social Science and Civic Engagement Honors Diploma*

9. **Technology Seal- A student can**:

*a. Earn a score that is at least equivalent to proficient on an appropriate Advanced Placement or International Baccalaureate exam*

*a. Earn a final course grade that is equivalent to a "B" or higher in an appropriate class taken through the College Credit Plus program*

*b. Complete a course offered through the district or school that meets guidelines developed by the Department*