



The Ontario High School counselors, faculty, and administration have collaborated to create this course offering booklet, designed to provide you with essential information for navigating your course selections throughout your secondary education. Choosing your courses is a pivotal aspect of your high school journey, as these decisions significantly influence your educational path. We encourage you to take the time to thoroughly review the booklet, paying close attention to sections that outline graduation and college requirements, course prerequisites, programs of study, and career planning.

Please share this booklet with your parents or guardians and seek their assistance in planning your future. Their advice, along with guidance from your school counselors, teachers, and administrators will be invaluable. You will have opportunities to consult with school personnel to discuss academic choices that align with your needs and interests, ultimately contributing to your long-term goals.

When meeting with your school counselor, be prepared to make informed course selections. Your counselor will review your choices and academic history to ensure they are appropriate. If you have any questions, don't hesitate to ask a staff member. Approach your course planning with careful consideration and dedicated effort. Here's to a fantastic school year ahead.

Chris A. Smith
High School Principal

Ontario High School

467 Shelby-Ontario Rd.
Ontario, Ohio 44906
419.529.3969 phone
419.747.6859 fax

www.ontarioschools.org/ontariohighschool_home.aspx

Principal
Chris Smith, ext. 51405

Assistant Principal
Jonathan King, ext. 51404

Athletic Director
Jeff Fisher, ext. 51401

School Counseling Office 419.529.7010
Secretary: Cassie Amick, ext. 51409
Counselor – students with last name A – K: Veronica Cain, ext. 51408
Counselor – students with last name L – Z: Kelly Conn, ext. 51407

High School/Principal Secretary 419.529.3969
Kayla Cain, ext. 51402

Athletic Secretary
Deb Eddleblute, ext. 51403

Attendance 419.755.2000
Deb Eddleblute, ext. 51403

School Resource Officer 419.529.2115 (OPD)
Officer Scott Dawson, ext. 51406

Table of Contents

<u>OHS Graduation Requirements</u>	3-5
<u>Career Advising & Planning Calendar</u>	6
<u>Transcript Requests</u>	7
<u>Course Scheduling</u>	7
<u>Four-Year Educational Plan</u>	8
<u>Schedule Changes</u>	9
<u>Honor Roll</u>	10
<u>Grading Scale</u>	10
<u>Credit Recovery</u>	10
<u>Course Credit</u>	10
<u>Credit Flex</u>	11
<u>College/ Testing</u>	11
<u>Ohio College Core Curriculum</u>	11
<u>College Credit Plus</u>	12
<u>Weighted Course Requirements</u>	12
<u>Weighted Courses</u>	13
<u>Weighted Grading Scale</u>	13
<u>Honors Diploma Options</u>	14
<u>Graduate with Honors</u>	15
<u>National Honor Society</u>	15
<u>Enrichment Option</u>	15
<u>College Representative Visits</u>	15
<u>College Campus/Military Visits</u>	16
<u>Co-Curricular & Extracurricular</u>	16
<u>Athletic Eligibility</u>	16
<u>NCAA & NAIA Eligibility</u>	17
<u>Pioneer Career & Technical Center</u>	17-18
<u>Subject Areas</u>	18
<u>English Language Arts</u>	18-22
<u>Foreign Language</u>	22-23
<u>Mathematics</u>	23-26
<u>Science</u>	26-29
<u>Social Studies</u>	30-32
<u>Financial Literacy</u>	32
<u>Arts – Visual & Performing</u>	33-35
<u>Work Study/Career Exploration</u>	35
<u>Family & Consumer Sciences</u>	35-37
<u>STEM</u>	37-39
<u>Industrial Technology</u>	39-41
<u>Physical Education</u>	41-42
<u>Multiple Disabilities/Low-Incidence</u>	42
<u>Non-Discrimination</u>	42
<u>Notes</u>	43-44

OHS Graduation Credit Requirements

Economics (Financial Literacy)	½ unit
English Language Arts	4 units
Fine Arts	1 unit
Health	½ unit
Mathematics	4 units
Physical Education	½ unit*
Science	3 units
Social Studies	3 units
Electives	5 units
Total	21 ½ units

Required Courses by Grade:

<u>Grade 9</u>		<u>Grade 11</u>	
ELA 1	1 credit	ELA-AL or ELA-WL	1 credit
Science	1 credit	Science	1 credit
Math	1 credit	American Government	1 credit
Health	½ credit	Math	1 credit
Physical Education	¼ credit*	Electives possible	4 credits
World History	1 credit		
Electives possible	3 credits		
<u>Grade 10</u>		<u>Grade 12</u>	
ELA 2	1 credit	ELA-AL or ELA-WL	1 credit
Science	1 credit	Math	1 credit
American History	1 credit	Electives possible	6 credits
Math	1 credit		
Physical Education	¼ credit*		
Electives possible	3 ½ credits		

Mathematics: Must include one unit of Algebra 2 or the equivalent of Algebra 2 (Math Modeling and Reasoning).

Science: Must include one unit of physical science, one unit of life science, and one unit of advanced science.

Social Studies: Three units of social studies, excluding economics.

***Physical Education:** The Ohio Core allows school districts to adopt a policy that would exempt students who participate in interscholastic athletics, band, show choir or cheerleading for two full seasons from the physical education requirement. Students must take another course of at least ½ credit in its place. A physical education waiver application must be completed by the student and approved through the School Counseling Office.

Economics: All students must receive instruction in financial literacy during grades 9-12.

Electives: Five elective units must include one or any combination of foreign language, fine arts, career-technical education, family and consumer sciences, technology, or English language arts, mathematics, science, social studies courses not otherwise required. Physical education or additional health courses may not be used to meet the five units of electives requirement.

Fine Arts: Students must complete at least two semesters of fine arts (or the equivalent) taken any time in grades 7-12. Students following a career-technical pathway are exempted from the fine arts requirement. Fine arts course includes: art, ceramics, drawing and painting, marching band, jazz band, show choir, concert choir, digital imaging, and illustrations and laser design.

Graduation Requirements

1. Credits and Requirements:

- 21.5 Credits
- Meet all course requirements for the state of Ohio and OHS
- Fine Arts & Physical Education Requirements (*PE Waiver*)

2. Demonstrate Competency:

- Earn a proficient score on Algebra I and ELA II End-of-Course exams. (684)
 - Students who do not pass the test will get additional support and retake the test(s).
- If a student does not earn a passing score, one of three options must be met.
 - *Option 1:* Demonstrate two career-focused activities
 - *Foundational:* Proficient scores on WebXams, 12-point industry credential, complete a pre-apprenticeship program, or obtain a state-issued license for practice in a vocation that requires an examination.
 - *Support:* Work-based learning (250 hours), earn required score on WorkKeys or earn the Ohio Means Jobs Readiness Seal
 - *Option 2:* Enlist in the military
 - *Option 3:* Earn credit for one college-level Math and/or college-level English course through the CCP program
 - *Option 4:* Obtain a remediation-free score in the Math or English subject areas on the ACT or SAT to demonstrate competency.

3. Show Readiness:

- Earn **two** of the following diploma seals. At least one must be Ohio-designed (*State defined seal*).
 - **State Defined Seals:**
 - **Ohio Means Jobs Readiness Seal**
 - Meet the requirements and criteria established for the readiness seal
 - **Industry Recognized Credential**
 - Earn an approved, industry-recognized credential that is aligned to a job considered in-demand by the state and its regions
 - **College Ready Seal**
 - Earn remediation-free scores on the ACT or SAT in each:
 - English: ACT 18/SAT 480
 - Reading: ACT 22/SAT 450
 - Math: ACT 22/SAT 530
 - **Military Enlistment Seal**
 - Provide evidence of enlistment in a branch of the U.S. Armed Forces
 - **Citizenship Seal** (*Meet one of four options*)
 - Earn proficient scores on the American History and American Government end of course exams, or
 - Earn a proficient score on the Advanced Placement exam, or
 - Earn a “B or higher” in an approved CCP Course
 - Earn a “B or higher” in an American History and American Government Course
 - **Science Seal** (*Meet one of four options*)

-
- Earn a proficient score on the Biology end of course exam, or
 - Earn a proficient score on the Advanced Placement exam, or
 - Earn a “B” or higher in an approved CCP course
 - Earn a final course grade that is equivalent to a “B” or higher in an Advanced Science course
 - **Honors Diploma Seal**
 - Earn one of the 5 Honors Diplomas
 - Academic
 - Career-Tech
 - STEM
 - Arts
 - Social Science and Civic Engagement
 - **Seal of Biliteracy**
 - Meet the requirements and criteria, including proficiency requirements, on assessments in a world language and English
 - **Technology Seal** (*Meet one of three options*)
 - Earn a proficient score on the Advanced Placement exam, or
 - Earn a “B” or higher in an approved CCP course, or
 - Complete a course offered through the district that meets the guidelines set by DEW
 - **Locally Defined Seals:** (*Students can use only one locally defined seal*)
 - **Community Service Seal**
 - Perform at least 60 hours of community service over the four years of high school. Community service hours cannot be performed for family members, nor can the student be paid for the work.
 - Students will be required to document their hours and have administrative or designee approval.
 - **Fine and Performing Arts Seal**
 - Students must earn 4 points.
 - Each fine or performing arts class is worth one (1) point. (*Any Performing or Visual Art Class offered at OHS and PCTC*)
 - Outside performances, such as local theater, orchestra, choir, music contest, etc. may earn points as well. Outside performances require pre-approval from the administration or designee.
 - **Student Engagement Seal**
 - Students must earn 4 points.
 - Students can earn one (1) point for every school activity membership (athletics, clubs, band, choir, etc.).
 - Students must be active participants in the organization and finish the school year in good standing with the organization.

Career Advising and Planning Calendar

FRESHMEN:

- OhioMeansJobs.com – online career and interest assessment is utilized through English class
- Students may create and utilize their own personal career portfolio throughout high school
- Career interest/research project in English class

SOPHOMORES:

- PSAT available in October; sign up in September
- Investigate possible careers and start to define an educational path
- Educational paths include: vocational, 2-year college, 4-year college, military
- Pioneer Career and Technology Center tour
- Online career assessment
- YouScience Workshop: Career Pathway Activity

JUNIORS:

- Review college and career information
- PSAT available in October; sign up in September
- Explore colleges/visitation days and talk to visiting college representatives (September through November)
- Prepare for taking the ACT test by utilizing the resources, including practice tests
- ACT/SAT prep is available online
- Take ACT two times during the year
- Review college websites and check minimum ACT scores for admissions
- Junior interview regarding career planning with career coach and/or school counselor
- JA Inspire: Career Pathway Program

SENIORS:

- **Fall:**
 - Apply to colleges and universities via online application process
 - Prime time for ACT/SAT testing; registration deadline is early September
 - Senior interviews with School Counselors
- **September:**
 - Create FAFSA ID (Free Application for Federal Student Aid) and submit online
- **October:**
 - File FAFSA as soon as possible after October 1 (or when it becomes available)
 - Attend a financial aid workshop
- **November:**
 - Deadline for some out-of-state colleges and early admission candidates
 - See Armed Service recruiters for enlistment opportunities and sign up to take ASVAB
- **December:**
 - Check the website of the college of your choice for specific deadlines
 - Deadline for many college programs/majors and scholarship consideration is December 1
- **April/May:**
 - Financial deadlines occur depending on school
 - Make decision on where you will attend
 - Tell all colleges that have accepted you whether you will attend or not
 - Exit interviews with School Counselors
- **June:**
 - Request a final transcript be sent from the School Counseling Office to the school you will attend
 - Request transcript for any dual credit courses taken from the college from which they were offered

Transcript Requests

Please notify the School Counseling Office in writing of any transcripts needed. Include the email or physical address for which the transcripts are to be sent.

Course Scheduling

February 1 – March 31:

- School Counselors will meet with students to explain the scheduling process.
- Students should review graduation requirements, career goals, and college core classes to prepare schedules.
- Please be mindful that college admissions counselors and future employers will look at the strength of your core course selection, grade point average, class rank, and standardized test scores.
- Register for classes for the following year.
- Freshmen and sophomore students should select at least seven academic credits per semester.
- Junior and senior students should select at least six academic credits per semester.

April 1 – May 5:

- Student schedules are tentatively set.
- Student/parents may make schedule changes prior to summer vacation.

August:

- The dates to pick up schedules will be posted on our website, social media, and in the local newspaper.
- Students having questions or needing to adjust their schedules are expected to talk to their school counselor prior to the start of school.
- Office hours are from 7:00am to 3:00pm, Monday through Thursday.

School Counseling Four-Year Educational Plan

Attention: This educational plan gives you and your parents an opportunity to focus on the many courses that are available to you. This is a FLEXIBLE plan and can be changed from year to year.

Name: _____ Career Goal: _____

Date: _____ Graduation Date: _____

Type of Diploma Being Pursued: Regular or Honors (*Please Circle One*)

9th Grade

Required Course	Course Choice	Credit
ELA 1		1
Science		1
Mathematics		1
World History		1
Health		.5
Physical Ed.		.25
Electives		
Total		

10th Grade

Required Course	Course Choice	Credit
ELA 2		1
Science		1
Mathematics		1
American History		1
Physical Ed.		.25
Electives		
Total		

11th Grade

Required Course	Course Choice	Credit
English		1
Science		1
Mathematics		1
Am. Government		1
Electives		
Total		

12th Grade

Required Course	Course Choice	Credit
English		1
Mathematics		1
Electives		
Total		

Additional courses to include in the four-year plan include:

Fine Arts - 1 credit and Economics - ½ credit

Schedule Changes

- Four-Year Educational Plan is a tool to assist students in long term course planning (found on the previous page).
- Students must return the course request form with parent signature to the School Counseling Office.
- Students will have an opportunity to make any adjustments in their schedules prior to summer vacation.
- Students having questions or needing to adjust their schedules are expected to talk to their school counselor prior to the start of school.
- Schedule changes required because of course failures will be made by the school counselor as soon as final grades are known.
- Information about school counselors' availability in August and schedule pick-up will be posted on our website, social media, and in the local newspaper.
- Once school is in session, students are expected to follow their schedule until they meet in conference with their school counselor.
- Drop/Add for courses must take place within the first 5 school days. Students dropping a course after this time will fail the course.

Allowable Schedule Changes

- Schedule conflicts/errors
- Educational reasons such as credit deficiencies or required courses needed
- Uneven balance of semester courses or study halls; for example, two study halls one semester, none the next semester
- Changes due to completion of pre-approved summer school courses
- Changes that are in the long-range academic best interest of students will be considered with a consultation among student, parent, teacher, school counselor and/or principal
- **To be fair and consistent with all students, we will not entertain preferential requests for class periods and teachers.**

Honor Roll

Highest Honors 4.0 and above

Honor Roll 3.5 – 3.99

Merit Roll 3.0 – 3.49

Grading Scale

Mark	Point Value	Percent
A	4.0	93-100
A-	3.67	90-92.99
B+	3.33	87-89.99
B	3.0	83-86.99
B-	2.67	80-82.99
C+	2.33	77-79.99
C	2.0	73-76.99
C-	1.67	70-72.99
D+	1.33	67-69.99
D	1.0	63-66.99
D-	0.67	60-62.99
F	0	0-59.99

If a student fails a course, the F is recorded on the student's permanent transcript and is figured into the GPA, with no credit earned. If the student retakes the course for credit recovery, that grade is added to the transcript, and the credit and grade are figured into the GPA. Students who choose to retake a course for a better grade will only receive credit for the retaken course.

Credit Recovery

Opportunities are available to repeat a course or pass a course previously not passed. In the event a student does not pass a core subject needed for graduation, underclass students can repeat the course during the next school year. Other options may include coursework completed through credit recovery and courses completed through the Credit Flex Option. Any questions, please see your school counselor.

Course Credit

Successful completion of **full-year course**:

- Pass at least one of the last two grading periods and the final exam or both grading periods, if the exam is not passed
- Maintain the minimum of 60% average over the course of four quarters

Successful completion of **semester course**:

- Pass one of the two nine week grading periods and the final exam or pass both grading periods if the exam is not passed
- Maintain the minimum of 60% average over the course of two quarters

Credit Flex

The Board of Education recognizes that an effective educational program is one that provides opportunities for students to customize aspects of their learning around their respective needs and interests. Credit flexibility shifts the focus from “seat time” to performance. Students can earn units of high school credit based on an individually approved credit flexibility plan. The intent of credit flexibility is to meet increased expectations for high school graduation in response to globalization, technology, demographics, and to meet the demand for 21st century skills.

The deadline for students to take advantage of credit flexibility is May 1 for first semester and December 1 for second semester. Parents and students are encouraged to review the information in the School Counseling Office and make an appointment to speak with a school counselor.

College/Career Readiness Testing

College and Career Readiness Test

Students can earn “[remediation-free](#)” [scores](#) in English Language Arts and Mathematics on a nationally recognized college admission exam. The state of Ohio will offer one time for all 11th grade students to take the [ACT free of charge](#). ACT remediation-free tests scores are set by Ohio’s university presidents and are subject to change. The current remediation-free ACT test scores are 18 for English Language Arts, with a Reading sub score of 22, and 22 for Mathematics. SAT remediation-free scores are 430 for English Language Arts, with a Reading sub score of 450, and 520 for Mathematics.

PSAT

PSAT is a practice opportunity for college admissions testing for sophomores and juniors. The PSAT is also used by the National Merit Scholarship Corporation and many private companies for scholarship competition. This test is given once a year. The date is announced yearly, but it is usually given in mid-October. Typically, the results are available in early December.

ACT/SAT

Most two-year and all four-year colleges require one of these tests. Test choice should depend on which school/scholarships you will be applying. The ACT assesses English, Reading, Math, Science Reasoning, and Writing. The SAT assesses English, Math, and Writing. Students may register for the ACT at www.act.org/bts. These tests are scheduled seven times a year. Students may register for the SAT at www.sat.collegeboard.org, offered seven times a year.

ASVAB

Used by all the Armed Services for entrance counseling and career planning.

Minimum Ohio College Core Recommendations

English	4 credits	Math	4 credits
Science	3 credits	Social Studies	3 credits
Foreign Language	2 or 3 credits	Arts	1 credit

Math – through Algebra 2 and/or the equivalent

Science – through Chemistry 1

Students should seek information about core requirements for out-of-state colleges.

College Credit Plus (CCP)

The College Credit Plus program is for qualified students in grades 7 through 12. (Eligibility is determined by the individual universities or post-high school institutions.) Eligible students may incorporate into their existing schedules college courses for high school credit and college credit.

All current students and their parents will be notified by the principal regarding the College Credit Plus program meeting for the current school year. Parents must attend the meeting to learn the various parameters of the program. Each student's intent to participate in College Credit Plus must be in writing and on file in the School Counseling Office by April 1 for the year preceding enrollment in college classes.

This program is intended to offer expanded educational opportunities for qualifying high school students at the college or university level.

If the student receives a failing grade in a CCP course, the district may seek family reimbursement for tuition amount paid to the college for that student's enrollment in that course only.

Students are encouraged to contact colleges and universities to attain the transferable status of credits earned through the College Credit Plus program. Please contact colleges/universities directly or visit the website www.transferology.com

2024-2025 Weighted Course Requirements

College Credit Plus (CCP) Requirements/Courses

- 3.0 Cumulative G.P.A. recommended
- Remediation free score on a standardized test (Ex. Accuplacer/ACT/SAT)
- Good Attendance/Discipline Records
- Students will earn high school credit and college credit upon successful completion
- College credit earned is the decision of the post-secondary institution offering the course
- Prerequisites may change depending on the requirements of the institution offering the course
- This is a weighted class (5.0)
- Courses:

○ INTRODUCTION TO SOCIOLOGY (SOCI 105)	3 Credits/1 Credit HS
○ AMERICAN POLITICS (POLS 110)	3 Credits/1 Credit HS
○ INTRO. TO ANATOMY & PHYSIOLOGY (BIOL201 & 201L)	4 Credits/1 Credit HS
○ CHEMISTRY (CHEM 111 & 111L)	4 Credits/1 Credit HS
○ OCEANUS (BIOL 180)	3 Credits/1 Credit HS
○ ENVIRONMENT & SOCIETY (ESOH 100)	3 Credits/1 Credit HS
○ PROBABILITY AND STATISTICS (STAT-1010)	3 Credits/1 Credit HS
○ COLLEGE ALGEBRA (MATH-1110)	4 Credits/1 Credit HS
○ TRIGONOMETRY (MATH-1130)	4 Credits/1 Credit HS
○ CALCULUS 1 (MATH-1150)	5 Credits/1 Credit HS
○ COLLEGE WRITING I (ENGL 104)	3 Credits/1 Credit HS
○ COLLEGE WRITING II (ENGL 106)	3 Credits/1 Credit HS
○ PRINCIPLES OF SPEECH (COMM 1010)	3 Credits/1 Credit HS

Honors Course Requirements/Information

- Teacher recommendation
- 3.75 Cumulative G.P.A.
- Scored in the 85th percentile or above on standardized test
- Additional prerequisites for sequenced classes may apply
- Good Attendance/Discipline Records
- This is a weighted class (5.0)
- Courses:
 - Honors English 9 – Freshmen 1 Credit
 - Honors Geometry 9 – Freshmen 1 Credit
 - Honors Biology 9 – Freshmen 1 Credit
 - Honors Algebra 2 – Sophomores 1 Credit
 - Honors English 10 – Sophomores 1 Credit
 - Honors Chemistry 10 – Sophomores 1 Credit

Weighted Grading Scale

(CCP & Honors Courses only)

Mark	Point Value	Percent Range
A	5.0	93-100
A-	4.59	90-92.99
B+	4.16	87-89.99
B	3.75	83-86.99
B-	3.34	80-82.99
C+	2.91	77-79.99
C	2.50	73-76.99
C-	2.09	70-72.99
D+	1.66	67-69.99
D	1.25	63-66.99
D-	0.84	60-62.99
F	0	0-59.99

ACADEMIC HONORS DIPLOMA OPTIONS

Criterion	Ohio Diploma	Academic
English	4 units	4 units
Math	4 units, must include one unit of Algebra II or equivalent	4 units, the fourth unit must be >Algebra II
Science	3 units	4 units including one advanced science
Social Studies	3 units	4 units
World Languages	N/A	3 sequential units of one world language, or no less than 2 sequential units of two world languages studied
Fine Arts	2 semesters/1 credit	No additional requirement
Electives	5 units	5 units
GPA	N/A	3.5 on a 4.0 scale - unweighted
ACT/SAT	N/A	27 ACT/1280 SAT
Experiential Learning	N/A	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

*Students can use OMJ Readiness Seal in 2 additional seals requirement if it is not used in Experiential Learning

Students can also earn an Honors Diploma in the following areas: STEM, Arts, Career Tech, and Social Science & Civic Engagement.

Please use the following link for more information: <https://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Contacts-and-Resources/Honors-Diplomas/Academic-Honors-Diploma>

Graduate with Honors

Summa Cum Laude:	cumulative GPA 4.0
Magna Cum Laude:	cumulative GPA 3.83 to 3.99 inclusive
Cum Laude:	cumulative GPA 3.67 to 3.82 inclusive

National Honor Society

Qualified junior and senior students are selected for National Honor Society (NHS) membership by a majority vote of the NHS Faculty Council on the basis of scholarship, leadership, service, and character. To be eligible for induction, a student must accomplish the following steps in the selection procedure:

- Have earned a minimum 3.83 grade point average prior to junior year or 3.67 for senior year.
- Have attained a **leadership** rating equal to 85% or more of maximum points allowed from the categories evaluated.
- Have attained a **character** rating equal to 85% or more of the maximum points allowed from the categories evaluated.
- Discipline reports will be reviewed and could impact a student's ability to be accepted into National Honor Society.
- Have participated in three or more **different** activities through high school years, with at least one leadership type role (officer, captain).

Starting with the class of 2029, the GPA requirement will be changed to 3.75 unweighted prior to junior year or 3.6 unweighted for senior year.

Enrichment Option

Seniors (7th and 8th periods) and juniors (8th period only) may have the option of leaving school early in the afternoon. This option is evaluated yearly for its effectiveness. Required classes will not be adjusted to arrange student participation. This option is being offered to address the needs of students who are on track to graduate with 21.5 credits and may not need additional electives in their schedule.

The administration and staff hope that students use this time to add to the learning experience in the community, either through employment, community involvement, or career exploration. This option is available at the discretion of the high school principal and if all guidelines are met. A student's ability to participate in the Enrichment Option will be evaluated each quarter. Students failing to meet the guidelines will be assigned to study hall.

- ✓ Parent's Signature
- ✓ Students must carry at least a 2.5 cumulative GPA
- ✓ 90% attendance and no disciplinary action (i.e. Friday Schools) based on tardies
- ✓ Must follow all school guidelines as described in the school handbook

College Representative Visits

Representatives from various colleges visit Ontario High School to meet with interested students. Students who are interested in meeting with the college representatives should refer to the Student Guidance Calendar located on the Ontario High School web page or in the School Counseling Office and sign up for the colleges of interest. The School Counseling Office will then provide a pass for you to meet with the college representative on the scheduled day. These meetings last approximately 30 minutes.

College Campus/Military Visits

Students are encouraged to visit colleges/military institutions as an integral part of college/future planning. Arrangements must be made with the high school School Counseling Secretary at least two days in advance of the planned visit to schedule a campus tour and, if necessary, a specific time for an interview. Students are required to complete the college/military visit form and verification form available in the School Counseling Office.

Co-Curricular and Extracurricular Activities

Academics are an important part of a student's high school career. However, in order for students to receive a well-rounded education, they need to take advantage of the co-curricular and extracurricular opportunities. Students need to become involved in the student body and community of Ontario.

Extracurricular activities provide students a way to learn and improve on vital characteristics such as team work, time management, communication, and social skills. These are important aspects of becoming a complete and productive person. Extracurricular experiences provide skills and opportunity that will benefit students in the classroom and beyond.

Parents should understand that participation in extracurricular activities is a privilege. Please encourage your child to be involved and stay active.

Co-Curricular Activities

Academic Challenge	Band Auxiliaries
FCCLA	Key Club
O-Zone	Science Club
Senior Trader Card	Spring Musical
Student Leadership	

Academic Co-Curricular Activities

Marching Band
Pep Band
Rhapsody in Blue
Yearbook Staff

Interscholastic Athletics

Baseball	Basketball
Cheerleading	Cross Country
Football	Golf
Soccer	Softball
Swimming & Diving	Tennis
Track & Field	Volleyball
Wrestling	

Athletic Eligibility

Ohio High School Athletic Association (OHSAA) bylaws for student athletic eligibility:

- Eligibility for each grading period is determined by grades received the preceding grading period. Semester and yearly grades have no effect on eligibility.
- Grades 9-12: To be eligible, a student-athlete must have received passing grades in a minimum of five one-credit courses or the equivalent per quarter. For eligibility, summer school grades may not be used to substitute for failing grades received in the final grading period of the regular school year or for lack of courses taken the preceding grading period. We recommend students be enrolled in six or seven classes per semester.
- Physical Education class does not count towards athletic eligibility requirement.
- Transfer student by-laws can be found at www.ohsaa.org.

NCAA - NAIA Initial-Eligibility Center Requirements

If a student thinks he/she may have the opportunity to play Division I or II athletics at the college level, he/she must be registered with the National Collegiate Athletic Association (NCAA) Eligibility Center and/or the NAIA Eligibility Center and meet academic requirements. All students can have their initial eligibility status determined only by the eligibility center. Students should meet with your School Counselor to discuss the requirements and for more details.

NCAA Eligibility Center: Handles registration of any senior interested in participating in athletics at a Division I or II college/university. Log onto web3.ncaa.org/ecwr3/

NAIA Eligibility: The National Association of Intercollegiate Athletics (NAIA) Eligibility Center will determine your eligibility based on your academic record and additional information you provide. Online information play.mynai.org

Pioneer Career & Technology Center (PCTC)

The educational programs at PCTC are designed to prepare students for entry into various occupations and/or prepare students for specialized post-secondary education/training. Eleventh and twelfth grade students of Ontario High School are eligible to attend Pioneer. Admission to Pioneer will be determined on the basis of the applicant's ability, achievement, interest, and physical condition. Students attending Pioneer will graduate from Ontario High School. A student spends the entire school day at Pioneer and is eligible to participate in extra-curricular activities at Ontario High School. To protect graduation status, students are expected to complete a full year at PCTC before deciding to return to Ontario High School. PCTC students may also attend technical or four-year colleges after they graduate. PCTC does not have an entrance fee other than fees for shop or laboratory uniforms and expendable materials. Transportation is provided by Ontario High School except for seniors in the work study programs who must provide their own transportation. Lists of programs offered at PCTC and how they correspond to particular career opportunities are available through the School Counseling Office. More detailed information is provided during the school year. Tenth grade visitation days are scheduled for the end of January or February.

PCTC Transfers

- Pioneer requires that once school has started, students must attend at least 3 school days before deciding to return to their home school.
- Ontario High School will not allow students to return to Ontario after 5 school days have passed.

Section 9528 of the No Child Left Behind Act of 2001 requires schools to release students' private information to military recruiters. Students and parents may sign a waiver requesting schools not release name, address and telephone listing to Armed Services and Military Recruiters.

Attention CCP and PCTC Students

OHS students who do not attend classes regularly at OHS (*CCP and PCTC students*) are encouraged to stay updated on school activities and functions through the following options:

- **Student email (OHS olsohio.org Gmail account)**
- **The OHS website - school announcements are posted daily and for various other resources**
- **Graduating class Google Classroom**
- **Parent Square Notifications**
- **Pioneer students should also refer to the Ontario bulletin board at PCTC in the school cafeteria for updated information**
- **Communicating with other students**

English Language Arts

English Language Arts 1 (ELA 1) (0001)

Full Year, 1 Credit

Fee: \$18.00

English Language Arts 1 is a required course for all ninth grade students. Upon entrance to this course, students must have read the assigned summer reading. The book title will be announced to all eighth grade students in the spring. This course is designed to give students experience with a variety of speaking, listening, reading and writing activities, as well as exposure to many areas of literature. Speeches, a research project, and various other projects are required. The above fee includes the required purchase of *No Fear Romeo and Juliet*.

Honors English Language Arts 1 (Honors ELA 1) (0001H)

Full Year, 1 Credit

Fee: \$18.00

Prerequisite: An “A” average in English 8 Honors and teacher recommendation

Honors ELA 1 is an enriched course regarding content, pace, and material depth. Upon entrance to this course, students must have completed the assigned summer work. The summer book titles and writing assignments will be explained at a meeting in the spring. Attendance at this meeting is mandatory for enrollment in this course. Students will not be permitted to take Honors ELA 1 unless summer course work

is completed by the designated due dates throughout the summer and the first day of the upcoming school year. Any student with a failing grade at the end of the first quarter will be transferred to a regular ELA 1 course at the teacher's discretion and will receive an adjusted grade for the course. This course is designed to give students experience with a variety of speaking, listening, reading, and writing activities, as well as exposure to many areas of literature. Speeches, a research project, and a variety of literary projects are required for course completion. The above fee includes a copy of *No Fear Shakespeare: Romeo and Juliet* and *To Kill a Mockingbird*.

English Language Arts 2 (ELA 2) (0002)

Full Year, 1 Credit

Fee: \$10.00

Prerequisite: ELA 1

Upon entrance to this course, students must have completed the assigned summer reading. The book title will be announced prior to the end of the school year. ELA 2 is a required course for all tenth grade students. Specific studies may vary, but the objective for all students is to improve their ability to comprehend, analyze, and communicate. These objectives are realized through the four target areas of reading, writing, speaking and listening. Every activity covered during ELA 2 directly relates to one or more of these targets. All activities, presentations, projects, and essays are required components of this curriculum. Students in this course will take a State of Ohio End-of-Course Exam.

Honors English Language Arts 2 (Honors ELA 2) (0002H)

Full Year, 1 Credit

Fee: \$10.00

Prerequisite: An "A" in ELA 1 or Honors ELA 1, 3.5 cumulative GPA and teacher recommendation

Honors ELA 2 is an enriched course regarding content, pace and material depth. Honors ELA 2 is the natural transition from Honors ELA 1, though regular ELA 1 students are welcome to register as long as all prerequisites are met. Upon entrance to this course, students must have completed the assigned summer work. The summer book titles and writing assignments will be explained at a meeting prior to the end of the students' freshmen year. Attendance at this meeting is required. Students will not be permitted to take the course unless summer work is done by the designated due dates throughout the summer, and on the first day of their sophomore year. This course is designed to give students experience with a variety of speaking, listening, reading, and writing activities, as well as exposure to many areas of literature. A research paper, speeches, and essays are required components of this curriculum. Students will be expected to use college-level works of literary criticism for multiple purposes. Students in this course will take a State of Ohio End-of-Course Exam.

English Language Arts – AL (previously ELA 3) (0003)

Full Year, 1 Credit

Fee: \$12.00

Prerequisite: Successful completion of ELA 1 and 2

In this course for juniors and seniors, a variety of speaking, listening, reading, and writing activities will be provided to prepare students for college level work. To improve reading decoding skills necessary for both college and career readiness, students will study classic and modern literature, and many pieces of nonfiction, including American seminal documents. Stress is placed on writing skills which are beneficial across the curriculum. Students in this class are afforded extensive feedback and graded using high school level requirements with the goal of advancing in preparation for career readiness in multiple fields of study as well as college readiness. Additionally, students will complete an extensive, independent project wherein

students will study an American author of their choice. Upon entrance to this class students must have read the required summer text announced to all 10th and 11th graders in the spring.

English Language Arts – WL (0005)**Full Year, 1 Credit****Fee: \$5.00****Prerequisite: Successful completion of ELA 1 and 2**

In this course for juniors and seniors, a variety of speaking, listening, reading, and writing activities will be provided to prepare students for college and career readiness. To improve reading decoding skills necessary for both college and career readiness, students will practice close reading with poetry, plays, novels, and informational and visual texts by world authors. Stress is placed on vocabulary acquisition and writing as necessary for the English curriculum. Students in this class are required to show personal growth during an independent project which is evaluated using high school level scoring. Upon entrance to this class, students must have read the required summer text announced to all 10th and 11th graders in the spring and which will be used consistently during the first semester.

ELA Lab (0008)**One Semester, .5 Credit**

This English Language Arts (ELA) Remediation and EOC Test Preparation course offers students a critical opportunity to strengthen their fundamental language skills and build confidence in their academic abilities. This comprehensive course is strategically designed to address individual learning gaps, develop advanced reading comprehension techniques, and enhance writing proficiency through targeted instruction and practice. Students will engage in intensive skill-building activities that focus on critical analysis of complex texts, advanced vocabulary development, and sophisticated writing strategies specifically aligned with state educational standards. By participating in this course, students will not only improve their performance on the End-of-Course (EOC) examination but also develop essential communication skills that are crucial for future academic and professional success. The curriculum emphasizes close reading strategies, analytical writing, grammar refinement, and test-taking techniques, providing students with a holistic approach to mastering English language arts and preparing them for the rigorous academic challenges that lie ahead.

College Writing I: Intro to Academic Writing (ENGL 104) (0007CCP)**One Semester, 1 Credit****Prerequisite: CCP Requirements**

This course introduces students to the writing process, with emphasis on analytical and argumentative essays directed toward a college-level audience. The course helps students to express their own ideas in evidence-based prose that aligns with conventional standards of style and usage in college-level academic discourse. Students will be required to engage in research of primary and/or secondary scholarly sources, including self-selected and assigned readings. Academic documentation styles and their ethical uses are introduced and applied. A significant portion of this class's work is individually driven, so the maturity and skill of an already upper level writer and student is vital for success.

College Writing II: Academic Writing and Research (ENGL 106) (0008CCP)**One Semester, 1 Credit****Prerequisite: CCP Requirements**

This course introduces students to writing processes and prose conventions common to many academic disciplines, and it provides opportunities for students to participate in one or more of the ongoing conversations in particular communities of writers. The course emphasizes analytic and persuasive writing

based on critical reading of nonfiction prose from both primary sources (such as interviews, surveys, archival research, etc.) and secondary sources including articles/texts found in scholarly databases. In addition, non-print texts may be examined and/or composed. Two systems of formal documentation, MLA and APA, are covered. A significant portion of this class's work is individually driven, so the maturity and skill of an already upper level writer and student is vital for success.

Speech (0022)**One Semester, .5 Credit****Prerequisite: Junior/Senior**

This elective course is designed to strengthen students' skills in public speaking for various purposes. Students will be responsible for learning speaking terms, techniques, and approaches. They will apply appropriate techniques and skills for conveying information, persuasion, narration and demonstration. They will be required to incorporate technology in the research, planning, writing and presentation stages of their speeches. Recommended for juniors and seniors.

Principles of Speech (COMM 1010) (0022CCP)**One Semester, 1 Credit****Prerequisite: CCP Requirements**

This course provides a study of the basic principles of oral communication with emphasis on content, delivery, audience analysis, reasoning, organization, and other facets of the oral communication process.

Studies in the Novel 1 Independent Study (0021IND)**One Semester, .5 Credit****Fee: \$3.00****Prerequisite: Sophomore/Junior/Senior**

Studies in the Novel 1 is an elective class for juniors and seniors who enjoy reading, discussing and analyzing literature. Sophomores may take the class with teacher approval. Course requirements include keeping a reading log, participating in class discussions, and applying literary terms to individual books and reading.

Studies in the Novel 2 Independent Study (0025IND)**One Semester, .5 Credit****Fee: \$3.00****Prerequisite: Sophomore/Junior/Senior, Studies in Novel 1**

Studies in the Novel 2 is an elective course for sophomores, juniors or seniors who have completed Studies in the Novel 1 and desire further inquiry into discussing and analyzing literature.

Yearbook (0023)**Full Year, 1 Credit****Prerequisite: Sophomore/Junior/Senior**

The goal of this class is to produce the high school yearbook. This is a yearlong process that includes the following skills: layout, design, proofreading, illustration and online graphics. All staff members are required to solicit \$600 in ad sales during the summer and turn them in on the first day of school. The course includes standard layout and design, picture cropping and copy editing. Each student is responsible for the completion of assigned pages and must meet the **FINAL DEADLINE**, or credit for the course will not be given.

ELA 1 (1101)
ELA 2 (1102)
ELA 3 (1103)
ELA 4 (1104)
Full Year, 1 Credit
Fee: \$3.00

These courses are designed for select students. The courses cover a variety of writing and reading skills. An assortment of materials and texts are used in order to develop and increase reading, comprehension, writing, speaking and listening skills that align with grade level content standards.

Foreign Language

Spanish 1 (0401)
Full Year, 1 Credit

Spanish 1 is an introduction to the Spanish language and culture through various facets of life in Spanish speaking countries. Basics of the Spanish language on pronunciation, speaking, listening, writing, and grammar will be presented in a situational context through the study of beginner novels. The culture of Spain and Latin American Spanish speaking countries. This class is for students who have never formally taken Spanish.

Spanish 2 (0402)
Full Year, 1 Credit
Prerequisite: Spanish 1

Spanish 2 is a continuation of the study of the grammatical and writing skills and study of Spanish culture begun in the first year through the study of stories and novels. Emphasis will be placed on speaking, pronunciation, and listening skills. The culture of Latin American Spanish speaking countries will also be explored.

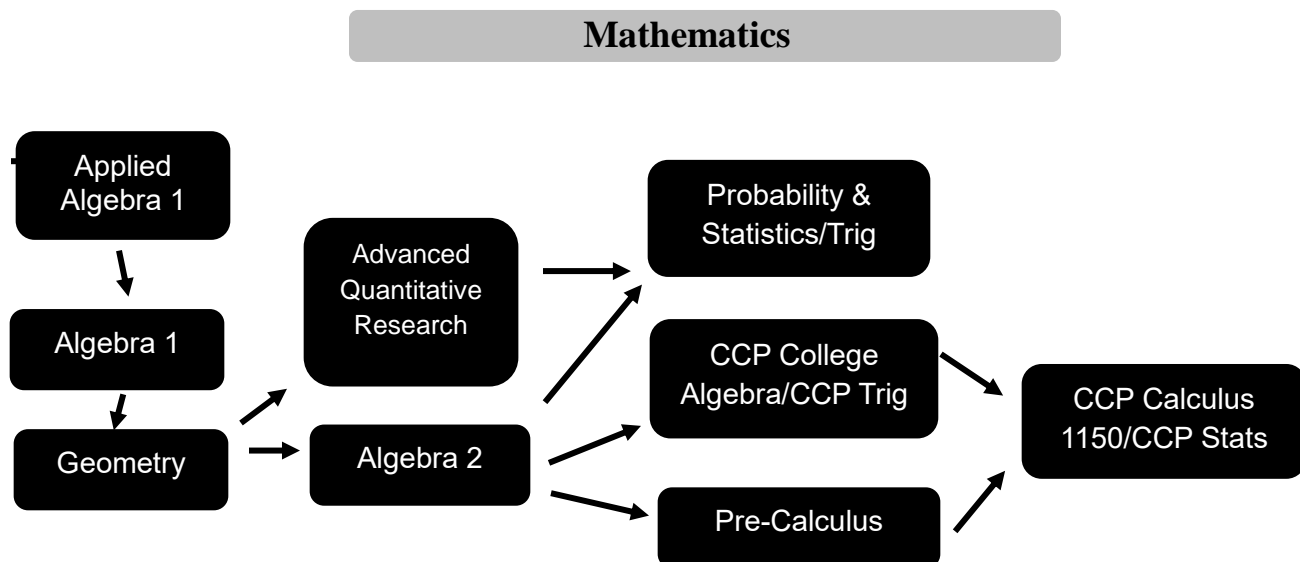
Spanish 3 (0403)
Full Year, 1 Credit
Prerequisite: Spanish 2

This course will consist of review of grammar and vocabulary covered in Spanish 1 and 2 and will proceed to more complex structures through the study of novels. At this level, more emphasis will be placed on oral and listening proficiency to improve individual expression in the language. Students will also be practicing writing short stories in Spanish. The history, geography and culture of Spain will be studied. Students may be required to purchase a supplemental reader.

Spanish 4 (0404)
Full Year, 1 Credit
Prerequisite: Spanish 3

Spanish 4 is a much more detailed study of all facets of the language. In this course, all major grammatical concepts are reviewed in the context of authentic written and audio materials in the target language. The history, geography, literature, and culture of Latin America may be studied. Students may be required to

purchase a supplemental reader. Due to scheduling, students may be placed into other foreign language classes.



Math Lab (0300)

One Semester, .5 Credit

This Math Remediation and EOC Test Preparation course offers students a critical opportunity to strengthen their fundamental math skills and build confidence in their academic abilities. This course provides targeted review and remediation to help students strengthen their math skills, build confidence, and improve their test-taking strategies. Students will receive personalized instruction and engage in hands-on activities, practice problems, and interactive lessons designed to address individual learning needs. Through collaborative learning, individualized support, and focused problem-solving, Math Lab aims to ensure that all students are equipped to succeed in future math courses and to pass the state exam. The course will also emphasize the development of essential mathematical concepts, critical thinking, and effective test-taking strategies.

Applied Algebra 1 (0301)

Full Year, 1 Credit

The purpose of this course is to provide the foundation for Algebra 1 and to develop the algebra skills needed to solve mathematical problems. This course does fulfill one of the four math credits needed to graduate. After completing Applied Algebra 1, students will move on to Algebra 1.

Algebra 1 (0302)

Full Year, 1 Credit

A TI-30X IIS calculator is required for this class. Algebra 1 introduces the students to the real number system and its concepts and builds a foundation for more advanced courses. The students will perform basic operations on directed numbers, learn the use of variables and solve equations that are an integral part of mathematics. The students will work with various types of polynomials with emphasis on simplifying, solving and graphing solutions. Throughout the course a strong emphasis will be placed on developing techniques and strategies for understanding concepts through problem solving approaches. Students in this course will take a State of Ohio End-of-Course Exam.

Geometry (0303)**Full Year, 1 Credit****Prerequisite: Algebra 1**

A scientific calculator is required for this class. Geometry is a course that examines both plane and solid figures with emphasis on inductive and deductive reasoning. This course is concerned with the relationships between points, lines, planes, angles and polygons. Geometry illustrates the method of logical reasoning as it pertains to mathematical ideas. Throughout the course, emphasis will be placed on developing techniques and strategies for understanding concepts through problem solving, constructions, and proofs. Students in this course will take a State of Ohio End-of-Course Exam.

Honors Geometry 9 (0303H)**Full Year, 1 Credit****Prerequisite: Algebra 1 with an “A” in 8th grade**

A scientific calculator is required for this class. Honors Geometry is a course that examines both plane and solid figures with emphasis on inductive and deductive reasoning. This course is concerned with the relationships between points, lines, planes, angles and polygons. Honors Geometry illustrates the method of logical reasoning as it pertains to mathematical ideas. Throughout the course, emphasis will be placed on developing techniques and strategies for understanding concepts through problem solving, constructions and proofs. This course will focus more on in-depth applications and will move at an accelerated pace. Students in this course will take a State of Ohio End-of-Course Exam.

Advanced Quantitative Research (MMR) (0304)**Full Year, 1 Credit****Prerequisite: Successful completion of Algebra 1 and Geometry**

The Advanced Quantitative Research (MMR) course is an advanced quantitative reasoning course. Quantitative Reasoning (QR) is the application of basic mathematics skills, such as algebra, to the analysis and interpretation of quantitative information (numbers and units) in real-world contexts to make decisions relevant to daily life. Critical thinking is its primary objective and outcome. It emphasizes interpretation, representation, calculation, analysis/synthesis, assumptions and communication. This course is equivalent to Algebra 2 and meets that graduation requirement.

Algebra 2 (0305)**Full Year, 1 Credit****Prerequisite: “C” or higher in Geometry**

A TI-84 graphing calculator is required for this class. Algebra 2 is a course combining elements of Algebra 1 and Geometry to extend students’ understanding of mathematical concepts introduced in those courses. Topics to be explored include basic algebra concepts, introduction to matrix algebra, rational, irrational and complex numbers, linear, quadratic, polynomial, rational, exponential, logarithmic, absolute value, and trigonometric functions.

Honors Algebra 2 (0305H)**Full Year, 1 Credit****Prerequisite: “B” or higher in Honors Geometry 9**

This is a class for sophomores that have successfully completed Honors Geometry 9. A TI-84 graphing calculator is required for this class. Algebra 2 is a course combining elements of Algebra 1 and Geometry to extend students’ understanding of mathematical concepts introduced in those courses. Topics to be explored include basic algebra concepts, introduction to matrix algebra, rational, irrational and complex numbers, linear, quadratic, polynomial, rational, exponential, logarithmic, absolute value, and

trigonometric functions. The course will focus on in-depth applications and will move at an accelerated pace.

Probability and Statistics/Trigonometry (0307)**Full Year, 1 Credit****Prerequisite: Algebra 2 or Transitional Math**

This course is designed to fulfill the fourth math credit for any graduating senior as required by the state of Ohio. Probability and Statistics/Trigonometry will cover probability, statistics, sampling, data collection, and central tendency. The statistics will be designed to correlate with real world examples in the fields of business, medicine, sociology, psychology, education and engineering. The course will continue where Algebra 2 leaves off in the study of imaginary numbers, functions, radicals, and number sense. Connections will be made to past courses. The course will conclude with an in-depth study of Trigonometry. Both right triangle and non-right triangle trigonometry will be learned. Trigonometric functions, identities, law of cosines and real-life applications will be examined. A TI-84 calculator is required.

Pre-Calculus (0308)**Full Year, 1 Credit****Prerequisite: "B" or higher in Algebra 2**

A TI-84 graphing calculator is required for this class. Pre-calculus is an advanced algebra course intended to extend the skills developed in Algebra 1 and 2 and prepare students for future study in calculus. Course work will concentrate on linear, quadratic, polynomial, rational, exponential, logarithmic, absolute value, and trigonometric functions.

Calculus 1 (MATH 1150) (0310CCP)**One Semester, 1 Credit****Prerequisite: CCP requirements**

A study of analytic geometry, limits, continuity, the derivative, basic differentiation rules, rates of change, the product and quotient rules, higher-order derivatives, the chain rule, implicit differentiation, related rates, extrema on an interval, Rolle's Theorem, and the Mean Value Theorem. Function analysis includes increasing and decreasing functions and the first derivative test, concavity and the second derivative test, limits at infinity and curve sketching. Concluding topics include anti-derivatives, indefinite and definite integrals, the Fundamental Theorem of Calculus, and integration by substitution. Applications include optimization problems, Newton's method, differentials, and areas of planar regions. Five semester hours of college credit from North Central State College is assigned for those who successfully complete course Math 1150, Calculus I. A TI-84 graphing calculator is required for this class.

Probability and Statistics (STAT-1010) (0313CCP)**One Semester, 1 Credit****Prerequisite: CCP requirements**

This course provides the student with an overview of probability and statistics. Probability terminology, concepts and rules are emphasized in solving probability problems. Descriptive statistics, including measures of central tendency and dispersion, charts, tables and diagrams are used to summarize data. The student is introduced to the binomial, Poisson, hyper-geometric, normal and t-distributions. Confidence intervals, hypothesis testing, correlation, and linear regression are used to make conclusions concerning population parameters from sample data. Three semester hours of college credit from North Central State College is assigned for those who successfully complete this course. A TI-84 graphing calculator is required for this class.

College Algebra (MATH-1110) (0314CCP)**One Semester, 1 Credit****Prerequisite:** CCP requirements

This course is a study of: (1) Polynomial operations, rational expressions, exponents, radicals; (2) Linear and quadratic equations, inequalities, absolute value applications and their graphs; (3) Graphs of elementary functions and non-functions including inverse functions, combining functions, and translating and transforming functions; (4) Study of polynomial functions, including the Fundamental Theorem of Algebra, zeroes of polynomials, rational functions, partial fractions; (5) Exponential and logarithmic functions including graphs and applications; (6) Gauss-Jordan elimination and Cramer's Rule. Four semester hours of college credit from North Central State College is assigned for those who successfully complete this course. A TI-84 graphing calculator is required for this class.

Trigonometry (MATH-1130) (0315CCP)**One Semester, 1 Credit****Prerequisite:** CCP requirements

This course includes the study of trigonometric functions and inverse trigonometric functions and their graphs; solutions of right and oblique triangles and their applications; solutions of trigonometric equations and inequalities; the use of identities, vectors, and complex numbers; and solutions of polar equations and parametric equations. Four semester hours of college credit from North Central State College is assigned for those who successfully complete this course. A TI-84 graphing calculator is required for this class.

Math 1 (1108)**Math 2 (1109)****Math 3 (1110)****Math 4 (1111)****Full Year, 1 Credit**

These courses are designed for select students. The courses cover areas of basic math calculations, problem solving and math skills used in daily life. These classes also identify and help the student work on individual weaknesses in math skills.

Science**Life Sciences**

Biology

Honors Biology

Anatomy & Physiology

CCP Anatomy & Physiology

Environmental Science

CCP Oceanus

CCP Environment & Society

Physical Sciences

Physical Science

Chemistry

Honors Chemistry 10

CCP Chemistry 111

Physics

Earth Science

Physical Science (0201)**Full Year, 1 Credit****Fee: \$10.00**

The Physical Science course is a freshman-level class that covers many different topics, including the structure of matter, atoms, elements and trends of the Periodic Table, chemical bonding and compounds, reactions of matter, conservation of energy, forces and motion, the universe, energy and waves.

Biology (0203)**Full Year, 1 Credit****Fee: \$15.00****Prerequisite: Physical Science**

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. The course includes many enriched laboratory experiences. Students in this course will take a State of Ohio End-of-Course Exam.

Honors Biology 9 (0203H)**Full Year, 1 Credit****Fee: \$15.00****Prerequisite: “B” or higher in 8th grade physical science, teacher recommendation, and a high standardized test score**

This course is an in-depth study of life. In this accelerated course we begin the study of life at the molecular level and progress from the simple forms of life to the more specialized forms. A systematic approach for both plants and animals are studied this way. The course includes many enriched laboratory experiences. Students in this course will take a State of Ohio End-of-Course Exam.

Anatomy and Physiology (0204)**Full Year, 1 Credit****Fee: \$15.00****Prerequisite: “B” in Biology and Sophomore or teacher recommendation**

Anatomy and Physiology is a class that examines the structure and function of the human body. Key concepts include the skeletal system, cells, tissues and organs, the muscles, the nervous system, the senses, the endocrine system, the cardiovascular system, the respiratory system and the digestive system. There are laboratory exercises with each chapter. Dissections are performed using fetal pigs. Laboratory tests are a part of each chapter’s work. This class is primarily for students who plan to pursue post-high school education in science or health-related fields.

Introduction to Anatomy and Physiology (0204CCP)**Full Year, 1 Credit****Prerequisite: Teacher recommendation, CCP requirements**

This course is an introductory study of life processes and biological principles. Special reference to the human organism is used in describing the nature of life sustaining functions. Cellular function and the structure and function of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems are introduced. Laboratory exercises enhance and support the lecture topics. Five semester hours of college credit from University of Findlay is assigned for those who successfully complete course BIOL 201 and 201L.

Earth Science (0205)**Full Year, 1 Credit****Fee: \$10.00****Prerequisite: Physical Science and Biology**

The Earth Science course is a junior/senior level course that covers many different topics, including mineral structure and composition, igneous/metamorphic/sedimentary rocks, earth's history, plate tectonics, earth's resources, and glacial geology.

Environmental Science (0206)**Full Year, 1 Credit****Fee: \$15.00****Prerequisite: Physical Science and Biology, Junior/Senior**

Environmental science incorporates biology, chemistry, physics and physical geology and introduces students to key concepts, principles and theories within environmental science. Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

Environment and Society (0206CCP)**One Semester, 1 Credit****Prerequisite: CCP requirements, successful completion of Biology, Chemistry, and Physical Science recommended**

Environment and Society studies the dependency of humans on their natural environment while emphasizing conservation, sustainability, and energy efficiency. The course initially examines the structure and function of ecosystems. The course then examines man's impact upon ecosystems and public health by identifying various sources of air contaminants, water contaminants, and soil contaminants and the composition of municipal and industrial waste. The course concludes with an examination of society's use of and dependency upon energy and the fuels used to generate power and electricity, including fossil fuels, nuclear fuels, and alternative energy sources (solar, wind, hydro, and geothermal). Current writings and events related to the environment are identified and discussed. Public officials and governmental bodies and processes that protect human health and the environment are also examined.

Chemistry (0207)**Full Year, 1 Credit****Fee: \$15.00****Prerequisite: Algebra 1 and Biology**

Chemistry addresses the nature of matter and the changes that matter undergoes. Topics include atomic structure, chemical and physical changes, chemical formulae and reactions, properties of matter, solutions, acids and bases, and pH. Most topics are mathematically rooted and require proficiency with algebraic topics such as order of operations, rounding, converting between units, and scientific notation. Laboratory work emphasizes analysis of quantitative and qualitative data.

Honors Chemistry (0207H)**Full Year, 1 Credit****Fee: \$15.00****Prerequisite: "B" or higher in Honors Biology, Algebra 1, and teacher recommendation**

Honors Chemistry is an in-depth study of the nature of matter and the changes that matter undergoes. Topics include atomic structure, chemical and physical changes, chemical formulae and reactions, properties of matter, solutions, acids and bases and pH. Most topics are mathematically rooted and require

proficiency with algebraic topics such as order of operations, rounding, converting between units, and scientific notation. Laboratory work emphasizes analysis of quantitative and qualitative data. Honors Chemistry is open to sophomores who have a B or better in Honors Biology and Algebra 1 along with a teacher recommendation.

Oceanus (BIOL 180) (0208CCP)**One Semester, 1 Credit****Prerequisite: CCP Requirements, successful completion of Biology, Chemistry, and Physical Science recommended**

This is an integrated science course focusing on the marine environment to convey global science concepts. The course investigates physical, chemical, geological, and biological resources, ocean-atmosphere interactions, and current global environmental issues and is intended for non-science majors.

Chemistry 111 (0229CCP)**Full Year, 1 Credit****Prerequisite: CCP Requirements and Biology**

This course is designed to provide a solid chemistry background to students with an interest in science areas. General principles of chemistry will be covered, with an emphasis on atomic structure and behavior, mole concept, stoichiometric calculations, nomenclature, quantum theory, chemical bonding, energy, solutions, and acids & bases. Four semester hours of general education college credit from The University of Findlay is assigned for those who successfully complete CHEM 111 and 111L.

Physics (0210)**Full Year, 1 Credit****Fee: \$15.00****Prerequisite: "B" or higher in all prior math and science courses, concurrent enrollment in Pre-Calculus is strongly recommended**

Physics attempts to strike a realistic balance between theory and practical application. Topics covered include mechanics, dynamics, mechanical waves (including sound unit), electromagnetic radiation (including light unit), static and current electricity, and magnetism. A strong mathematics background is necessary to express analytical thinking skills for problem-solving, especially in the physics laboratory.

Biology (1112)**Earth Science (1113)****Physical Science (1114)****Full Year, 1 Credit****Fee: \$10.00**

These courses are designed for select students. The courses cover topics pertaining to the sciences and content that aligns with grade level standards.

Social Studies

World History (0101)

Full Year, 1 Credit

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

American History (0102)

Full Year, 1 Credit

This course is focused primarily on United States history from 1900 to the present. There will also be elements taught from other social studies disciplines – geography, economics, world history, and political science. This is a required course for sophomores. Students in this course will take a State of Ohio End-of-Course Exam.

American Government (0103)

Full Year, 1 Credit

In this course, students will analyze the various purposes, functions, and decisions of government, giving them the knowledge to participate in their democracy. Topics include core principles of our representative democracy, arguments of Federalists and Anti-Federalists, the U.S. Constitution (with heavy focus on constitutional amendments), citizenship rights and responsibilities, federalism, elections, the three branches of government, the Ohio Constitution, and basic macroeconomic principles. Critical thinking and the evaluation of sources of information will also be a focus. Students in this course will take a State of Ohio End-of-Course Exam.

American Politics (POLS 110) (0105CCP)

One Semester, 1 Credit

Prerequisite: CCP Requirements

This course provides analysis of the context of national politics in the United States and the institutions of American national government. Students will demonstrate an ability to interpret and utilize research studies in political science in examining political issues, events, policies, and challenges.

Introduction to Investing and the Stock Market (0128)

One Semester, .5 Credit

Prerequisite: Junior/Senior

Introduction to Investing and the Stock Market is designed to introduce students to personal investment options. The course will delve into topics involving investing and savings, and familiarize students with key investment terminology. The course consists of five units: savings vehicles and understanding the difference between saving and investing, understanding a variety of investment vehicles with particular emphasis on the stock market, mutual funds, investing for retirement (social security, traditional IRAs, pension plans, Roth IRAs, 401K/403B, Roth 401K), and the role of the Federal Reserve. The intent of the course is to help students demystify the investing process, understand the basic tools of investing, and give practical experience in establishing and monitoring a portfolio.

Introduction to Criminology (0129)**One Semester, .5 Credit****Prerequisite: Junior/Senior**

Introduction to Criminology will survey the basic structure of the U.S. criminal justice system, its institutions, and its processes such as policing, corrections, and courts. The course will explore and evaluate how crime is defined and measured while covering the history of crime theory from a biological, physiological, and sociological perspective. Students will be asked to apply learned theories to real life cases.

Sociology (0123)**One Semester, .5 Credit****Prerequisite: Junior/Senior**

This course is recommended as a first course for those not familiar with the field of sociology. Emphasis is on basic concepts and processes in sociology. Topics include social organization and the relation of the individual to society, socialization, roles, group processes, stratification, social authority and control, disorganization, and change.

Introduction to Sociology (SOC 105) (0123CCP)**One Semester, 1 Credit****Prerequisite: CCP requirements**

This course is recommended as a first course for those not familiar with the field of sociology. Emphasis is on basic concepts and processes in sociology. Topics include social organization and the relation of the individual to society, socialization, roles, group processes, stratification, social authority and control, disorganization, and change. This course is recommended for upperclassmen with excellent reading, writing and study skills.

History of Rock & Roll (0125)**One Semester, .5 Credit****Prerequisite: Junior/Senior**

This semester-long course for juniors and seniors will examine the history of rock and roll music. Students will trace its blues and boogie-woogie roots in the late 1940s through the mainstream explosion of rock and roll in the 50s, 60s, and 70s, including the British Invasion, protest anthems, and music about social reform. The course will look at the evolution of rock music throughout the 80s and 90s and examine the music's place in contemporary society. In addition to the music itself, the course will place heavy emphasis on the cultural, social, political and economic climate of the country, including how the music both reflected and helped to shape mainstream society. The course will make extensive use of audio and visual supplements. Required materials: headphones compatible with your Chromebook.

History of Sports (0126)**One Semester, .5 Credit****Prerequisite: Junior/Senior****Fee: \$45**

This history elective will focus on helping students gain a better understanding of the inner relationship that professional and collegiate sports have on social, economic, cultural, and political forces that are at work in the United States as well as the world. We will examine the historical context as well as the significance of race, gender, ethnicity, and social class. Students will learn to think historically, which means that you will be able to see how different sports developed over time and what the factors are that contribute to the way in which the sport was played. In addition, we will examine the role of officials in sports. Everyone taking the class will have the opportunity to become a licensed OHSAA official. This allows for the

development of attributes that lead to successful personal traits such as conflict resolution, commitment, leadership, teamwork, and responsibility.

Current Events (0127)

One Semester, .5 Credit

Prerequisite: Junior/Senior

This class is designed to provide students with the opportunity to discuss, understand, and explore: local, national, international, social, and political issues in a respectful, meaningful, and active way. During the term, students are required to stay up-to-date on current issues and trends and be willing to discuss them as a class. Since the subjects of this class are “contemporary”, topics will vary considerably depending on the current news cycle. Students will be challenged to defend their opinions on many different issues both verbally and in written form.

World Studies (1105)

American Studies (1106)

Government (1107)

Full Year, 1 Credit

These courses are designed for select students. These courses cover not only American history, but also economics, world history, and government. They take a look at these issues over a time period from mid-1800's to present.

Career Exploration/Economics (1116)

Full Year or Semester, 1 or .5 Credit

This course is designed for select students. Students will be taught many of the skills surrounding basic daily living and job placement including basic computer instruction for the transition after high school. Students will receive instruction in the following: job search skills, resume writing skills, job interviewing skills, career information, personal economics, test-taking, college opportunities, and everyday living skills.

Financial Literacy

Economics (Financial Literacy) (0121)

One Semester, .5 Credit

Fee: \$5.00

Prerequisite: Junior/Senior

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security. The course will cover differing economies, financial responsibilities, planning for the future, budgets, income and careers, spending and credit, saving and investing. The main focus is to understand how to plan for the future by planning for today.

Arts – Visual and Performing

Art 1 (0601)

Full Year, 1 Credit

Fee: \$60.00

This course is designed for students wishing to develop skills, sensitivity, appreciation and understanding of art. Basic art concepts and vocabulary will be studied in studio projects, responding to art of the past and present, and responding to other related arts. Students will be encouraged to become critically aware of their own work and the work of others. Areas explored will include drawing, design, painting, printmaking, graphics, crafts and/or fibers, sculpture and/or ceramics. Students may be expected to furnish some supplies for special projects.

Art 2 (0602)

Full Year, 1 Credit

Fee: \$60.00

Prerequisite: “B” or higher in Art 1

This course reinforces foundation concepts and skills studied in Art 1. Students will continue the study of drawing, design, painting, printmaking, graphics, crafts and/or fibers, sculpture and/or ceramics. Topics will include art of the past and present, vocabulary, basic art concepts, the related arts and critical awareness of the visual arts. Students may be expected to furnish some supplies for special individual projects.

Art 3 / 4 (0603)

Full Year, 1 Credit

Fee: \$60.00

Prerequisite: “B” or higher in Art 2

This course furthers the development of concepts and skills studied in Art 1 and Art 2 with additional emphasis on personal expression and response. Emphasis will be placed on in-depth study and/or more advanced techniques in areas of drawing, design, painting, printmaking, photography, graphics, crafts and/or fibers, sculpture and/or ceramics chosen to express personal ideas. Continued study of related art history, vocabulary, the related arts and art concepts will be included. Students will continue to critically evaluate individual work and the work of others. Students may be expected to furnish some supplies for special individual projects.

Ceramics 1 (0605)

One Semester, .5 Credit

Fee: \$50.00

Prerequisite: Sophomore/Junior/Senior

This semester course is designed for students interested in learning the basics of working in the medium of clay. We will create both hand-built and wheel thrown projects in solving given design assignments. Students will become familiar with the complete process of producing ceramics including forming, bisque firing, glazing, glaze firing and recycling the clay.

Ceramics 2 (0606)**One Semester, .5 Credit****Fee: \$50.00****Prerequisite: Sophomore/Junior/Senior, “B” or higher in Ceramics 1**

This semester course will help students develop refined techniques in the medium of clay. Students will work on a variety of skills including loading and firing electric and raku kilns, wheel throwing and hand building.

Drawing & Painting 1 (0607)**One Semester, .5 Credit****Fee: \$50.00****Prerequisite: Sophomore/Junior/Senior**

This semester course is designed for students that want to improve their drawing and painting skills. We will focus on drawing from life and interpreting 3-D objects. Students will have a chance to develop their own style as well as work in the style of master artists and other cultures. Students may be asked to furnish additional supplies for special projects.

Drawing & Painting 2 (0608)**One Semester, .5 Credit****Fee: \$50.00****Prerequisite: Sophomore/Junior/Senior, “B” or higher in Drawing 1**

This semester course will help students develop refined techniques in the media of drawing and painting. Emphasis will be placed on the finished product and portfolio development. Students will be given specific concepts to develop creatively into original works of art. Students may be asked to furnish additional supplies for special projects.

Marching/Concert Bands (0901)**Full Year, 1 Credit****Fee: \$20.00**

The Marching, Concert and Symphonic bands are performing groups which include continuation of basic fundamentals in instrumental music, production and performance with special emphasis on the perception of musical understandings and attitudes through exposure to a variety and quantity of music literature and its performance. Outside preparation and practice is required. The Marching band performs at all football games as well as selected community and civic functions. The Symphonic and Concert bands prepare and perform music of high quality in a variety of types and styles. Several concerts are given each year. Selected students also participate in annual solo and ensemble events. Students enrolling in this course are to remain for the entire school year.

Jazz Band (0902)**Full Year, 1 Credit****Fee: \$20.00****Prerequisite: Instructor’s approval**

The Jazz Band is a performance-oriented group with limited membership as determined by proper instrumentation and performing ability. Its purpose is to acquaint the student with the various types of music written for this medium (rock, swing, Latin-American, ballads, etc.) through actual performance of representative literature in an appropriate style. Several performances are given each year for school as well as various community functions. The Jazz Band is a select group with membership determined on an individual basis and its members are selected by the instrumental music director.

Show Choir (0903)**Full Year, 1 Credit****Fee: \$20.00****Prerequisite: Audition**

Rhapsody in Blue (Show Choir) is a 20-40 student performing group of mixed voices. Any student in grades 9-12 is eligible based on the results of his/her audition. A student must display sufficient musical talent, vocal technique, musicianship, dance skills, and positive attitude with a good work ethic to be selected for this group. At least a year of previous choral experience is required; however, it may be waived in some cases. This group will perform at various times and places during the school year including annual concerts and events in the community. Only those students showing genuine desire and interest in a quality musical performance will be considered for membership. All members, regardless of years involved in this choir, must audition every year.

Concert Choir (0904)**Full Year, 1 Credit****Fee: \$5.00**

Concert Choir is a student performing group of mixed voices. This choir is an elective for students who enjoy singing and have a desire to learn and perform. Throughout the year, Concert Choir will perform at various events including annual concerts. Several styles of music will be studied and performed and emphasis will be placed on basic vocal skills, musicianship, and musical knowledge. Previous choral experience is not required.

Work Study

Career Exploration and Workforce Development (1030)**Semester/Full Year, .5 to 2.0 Credits****Prerequisite: Junior/Senior, Application required**

This course is designed for students that are considering entry into the workforce after graduation. This course will place emphasis on a valuable experience through work-based learning opportunities that link academic, professional and technical skills. Students participating will attend their academic classes required daily and be granted an early dismissal to participate in employment during school hours.

Family and Consumer Sciences

Career and Leadership Readiness (0711)**One Semester, .5 Credit****Fee: \$10.00****Prerequisite: Sophomore/Junior/Senior**

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship. This course is highly recommended for any student looking to be prepared for workforce and/or college demands.

Nutrition and Wellness (0704)**One Semester, .5 Credit****Fee: \$40.00**

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. This course is highly recommended for any student interested in a career involving the Food, Health, and Sports Industries. Furthermore, this course is recommended for any student interested in finding a balance between work and family.

Child Development (0706)**One Semester, .5 Credit****Fee: \$10.00**

In this course, students will study the principles of child growth, development, and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services. This course is highly recommended for any student interested in a career involving the Health and Education Industries as well as any student who hopes to have a family in the future.

Culinary Fundamentals (0707)**One Semester, .5 Credit****Fee: \$40.00**

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. This course is highly recommended for any student interested in a career involving the Food Industry and any student interested in planning for family life.

Global Foods (0708)**One Semester, .5 Credit****Fee: \$40.00**

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. This course is highly recommended for any student interested in a career involving the Food Industry and any student interested in planning for family life.

Interior Design, Furnishings and Management (0714)**One Semester, .5 Credit****Fee: \$30.00**

In this Family and Consumer Sciences career field course, students will examine design principles used in residential interiors. An emphasis will be placed on incorporating anthropometrics, ergonomics and psychological responses. Additional topics will include the selection and organization of furnishings, floors and wall coverings in living spaces, kitchens and baths. This course is highly recommended for any students interested in a career involving the Interior Design and Construction Industries, while also addressing topics related to the responsibilities of a property.

Textile Design, Construction and Maintenance (0715)**One Semester, .5 Credit****Fee: \$40.00**

In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textiles products, including home interior accessories and garments. The course is highly recommended for any students interested in a career involving design and fashion.

Personal Financial Management (0910)**One semester, .5 Credit****Prerequisite: Junior/Senior Status****Fee: \$10.00**

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. This course is highly recommended for all students to take. One college credit will be earned upon passing Webxam.

STEM**Technology and Design Courses*****May take in any order**Engineering Design & 3D
Printing

Robotics & 3D Printing

Engineering Principles & 3D
PrintingComputer Integrated
Manufacturing & 3D Printing**Industry 4.0 Program Courses*****Must take in sequential order**

Introduction to Mechatronics

Introduction to Industrial Control
SystemsIndustrial Robot Operations &
ProgrammingIntroduction to Industrial Internet
of Things**Engineering Design & 3D Printing (0820)****One Semester, .5 Credit**

This semester course will introduce students to fundamental engineering concepts and scientific principles associated with engineering design applications. Students will learn material processes and electrical control and fluid power systems. Students will learn to apply problem solving, research, and design skills to create solutions to engineering challenges. Emphasis is given to experimental problem solving in real systems and using the 3D printers as a tool.

Robotics & 3D Printing (0821) **One Semester, .5 Credit**

Students will apply the knowledge and skills necessary to program and operate robots, using the teach pendant as the main interface point. During this semester course, students will learn robotic operations and system configurations. Students will code, compile, and debug programs using the robotic programming language. Emphasis is given to experimental problem solving in real systems and using the 3D printers as a tool.

Engineering Principles & 3D Printing (0822) **One Semester, .5 Credit**

This semester course will introduce students to fundamental engineering concepts and scientific principles associated with engineering design applications. Students will learn material processes and electrical control and fluid power systems. Students will learn to apply problem solving, research, and design skills to create solutions to engineering challenges. Emphasis is given to experimental problem solving in real systems and using the 3D printers as a tool.

Computer Integrated Manufacturing & 3D Printing (0823) **One Semester, .5 Credit**

In this semester course, students will be introduced to all aspects of computer-integrated manufacturing. They will learn about robotics and automation, manufacturing processes, computer modeling, manufacturing equipment and flexible manufacturing systems. Emphasis is given to experimental problem solving in real systems and using the 3D printers as a tool.

Smart Automation Certification Alliance (SACA) and Industry 4.0 Program Courses

Industry 4.0 Fundamentals was developed by subject matter experts and with real-world feedback from industry and educational institutions to ensure that students with no background in manufacturing can begin with the basics like industrial safety, hand tool skills, etc., and build to industrial competencies in areas like PLC trouble-shooting, mechatronics, and data analytics, as well as learning to program and operate a FANUC robot. This two-year program is divided into four major course areas, which are further divided into lessons covering major topics.

Amatrol's Industry 4.0 training program utilizes a combination of learning methods to give students a robust experience in both theoretical knowledge and hands-on, real-world Smart Factory skills.

Introduction to Mechatronics (0824) **One Semester, .5 Credit** **Prerequisite: Sophomore, Junior, or Senior**

Introduction to Industry 4.0 • Safety • Hand Tools • Measurement • Print Reading • Precision Measurement
 • Mechanical Drives • Fluid Power • AC/DC Electricity • Electrical Relay Control • Robotics Programming
 • Electronic Sensors

Introduction to Industrial Control Systems (0825)**One Semester, .5 Credit****Prerequisite: Introduction to Mechatronics; Sophomore, Junior, or Senior**

Industry 4.0 Principles • Mechanical Drives • Hydraulics Fluid Power • Pneumatics • Robotics Programming • Electrical Relay Control • Electronic Sensors • Ethernet Network Communications • Programmable Controllers • CNC Programming • Mechatronic Systems

Industrial Robot Operations & Programming (0826)**One Semester, .5 Credit****Prerequisite: Introduction to Mechatronics, Introduction to Control Systems; Junior or Senior**

Robotic Safety & Components • Frames • Program Development • Inputs, Outputs, and Macros • Certified Production Technician Safety • Quality Practices & Measurement • Manufacturing Processes & Production • Maintenance Awareness and More!

Introduction to Industrial Internet of Things (0827)**One Semester, .5 Credit****Prerequisite: Introduction to Mechatronics, Introduction to Control Systems, Industrial Robot Operations & Programming; Junior or Senior**

Advanced Programmable Controllers • Data Analytics 1 • Variable Frequency Drives • Barcode Production Identification • Mechatronics: Motors & Conveyors • Ethernet Network 2 • RFID Product Identification • Smart Sensors • Programmable Controllers • System Optimization • Mechatronics: Communication & ASRS • PLC Troubleshooting

Industrial Technology

Home Woodworking (0801)**One Semester, .5 Credit****Fee: \$25.00**

This is a beginning woodworking course emphasizing safety, woodworking concepts, tools and machines. Several class projects will be built utilizing machines. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.

Furniture 1 (0802)**Full Year, 1 Credit****Fee: \$40.00**

This is an introductory course in woodworking emphasizing construction details and creative design. Cost analysis, machine setup and safety will be stressed. Several class projects will be built utilizing all machines. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.

Furniture 2 (0803)**Full Year, 1 Credit****Fee: \$40.00****Prerequisite: Furniture 1**

This is a continuation of Furniture 1 with emphasis being placed on a design and construction of a major project by the student. Advanced machine setup and safety will be stressed. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.

Furniture 3 (0804)**Full Year, 1 Credit****Fee: \$40.00****Prerequisite: Furniture 2**

This is a continuation of Furniture 2. Students are to work independently on design and creation of a major piece of furniture or cabinet. Students will also study history of furniture design. Safety will be stressed. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.

Furniture 4 (0805)**Full Year, 1 Credit****Fee: \$40.00****Prerequisite: Senior, Furniture 3**

A continuation of designing and creating furniture or cabinet pieces learned during Furniture 3. Students will pay for their lumber and finishing supplies used in class. Safety glasses and lock are required.

Wood Rocks (0806)**One Semester, .5 Credit****Fee: \$40.00****Prerequisite: Sophomore/Junior/Senior**

Wood Rocks is a program of education designed to teach students the value of hard work one guitar at a time. Students will demonstrate a foundation for mathematics, science, life skills, and strategies that support all students. Wood Rocks is a program that teaches students the art of guitar-building and so much more. Students will pay for their lumber and finishing supplies used in class. Students will pay \$200 for the kit and lumber. \$200 must be paid in the first two weeks of the semester. Safety glasses and lock are required.

Digital Imaging/Photoshop (0807)**One Semester, .5 Credit****Fee: \$20.00****Prerequisite: Sophomore/Junior/Senior**

This class covers the various aspects of computer generated or manipulated images used in the creation of artwork for print, multimedia and online graphics. This course is designed to give students a general knowledge of computer-generated artwork, photo manipulation and desktop publishing experiences. Students will learn how to use Photoshop and, through the use of drone technology, will have the opportunity to apply their creativity and problem-solving skills to real-world scenarios, such as mapping, data collection, and aerial photography.

Illustrations and Laser Design (0809)**One Semester, .5 Credit****Fee: \$40.00****Prerequisite: Sophomore/Junior/Senior**

Students will use two CO2 laser engraving and cutting machines to engrave and/or cut a variety of materials – including wood, acrylic, plastic, fabric, glass, paper, treated metals and much more. CO2 laser engraving systems work much like a printer, but with a laser beam instead of ink. Users can simply import their artwork, input the correct speed and power settings for their material and “print” the job to the laser. Students will learn to use software programs such as CorelDraw, Photoshop, Illustrator, Photograv, and Lasercut. Students will use the computer and understand the process of translating an idea, picture or text into a finished product. The engraving course includes studying the techniques of engraving with laser equipment on different materials. With the instruction in planning, designing, selecting materials and using the equipment, students will explore a topic of special interest within a related industry and develop greater skills on the computer and laser equipment. Students will pay for materials used and will be charged 50 cents a minute for the laser run time.

Physical Education

Physical Education (0501/0502)**One Semester, .25 Credit**

Ohio’s physical education academic content standards provide clear, rigorous expectations for all students in high school physical education classes. Physical education is a critical component of a complete education. Beyond the physical benefits, quality physical education has been linked to cognitive, affective and quality of life benefits for students at the high school level.

A physical education evaluation will be included as an indicator on the Ontario Local Report Card. As a result, Ontario Local Schools will measure student success in meeting the benchmarks contained in the Physical Education Academic Content Standards. They include:

Standard 1 – The physically literate individual demonstrates competency in a variety of motor skills and movement patterns.

Standard 2 – The physically literate individual applies knowledge of concepts, principles, strategies and tactics related to movement and performance.

Standard 3 – The physically literate individual demonstrates the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness.

Standard 4 – The physically literate individual exhibits responsible personal and social behavior that respects self and others.

Standard 5 – The physically literate individual recognizes the value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction.

The tasks contained in the assessment are designed to be incorporated within the curriculum and physical education lessons.

Health (0503)**One Semester, .5 Credit**

The purpose of the health education program is to instill in students a sense of personal responsibility for themselves, for others, and for the community. Included in this program are the requirements of House Bill 19, mandating the education of dating violence and bullying, and House Bill 367 requiring the emphasis of

opioid abuse prevention. Specific health topics will include the following: components of health, self-esteem, relationships, mental health, alcohol, tobacco, drugs, sexually transmitted infections, first aid, and CPR.

Dance (0506)**One Semester, .5 Credit**

This is a comprehensive study of the knowledge and processes of creating, performing, responding to, and representing ideas through the art form of dance. Multiculturalism, dance history, critiques and aesthetics are incorporated into course content and dance experiences for individual and group learning. This course does not meet the Physical Education requirement.

Multiple Disabilities/Low Incidence Classroom

The classroom provides an adapted curriculum aligned to state extended standards and includes experiences within the community for life skill development. Functional academics such as Reading for Enjoyment, Language Arts, Math Concepts, Science Concepts, Social Studies Concepts, and Daily Living and Vocational Skills are also taught in the classroom.

Non-Discrimination

The Ontario School District affirms that no person shall on the basis of sex, race, color, national origin or handicap, be excluded from participation, be denied the benefits of or be subjected to discrimination under any educational program or activity conducted under its auspices. This shall extend to employees therein and to admission thereto. Inquiries concerning the application of this policy may be referred to the designated coordinator. This policy shall prevail in all board policies concerning school employees and students. Any complaints should be referred to the Director of Operations, Title VI, Title IX, Section 504 coordinator

Student course selections, course offerings, and fees listed are subject to change.

Notes:

Notes: