



# COURSE SELECTION GUIDE

2021-2022



**OLENTANGY SCHOOLS<sup>SM</sup>**  
*Flourish Here.*

# OLENTANGY SCHOOLS

## 2021-2022

### High School Course Planning Guide

#### OLENTANGY BERLIN HIGH SCHOOL

3140 Berlin Station Road, Delaware, OH 43015

Main Office: 740-657-5900

Athletic Office: 740-657-5910

Student Services: 740-657-5921

#### OLENTANGY HIGH SCHOOL

675 Lewis Center Road, Lewis Center, OH 43035

Main Office: 740-657-4100

Athletic Office: 740-657-4111

Student Services: 740-657-4121

#### OLENTANGY LIBERTY HIGH SCHOOL

3584 Home Road, Powell, OH 43065

Main Office: 740-657-4200

Athletic Office: 740-657-4211

Student Services: 740-657-4221

#### OLENTANGY ORANGE HIGH SCHOOL

2840 E. Orange Road, Lewis Center, OH 43035

Main Office: 740-657-5100

Athletic Office: 740-657-5110

Student Services: 740-657-5115

#### OLENTANGY ACADEMY

7774 Graphics Way, Lewis Center, OH 43035

MAIN Office: 740-657-5800

## Table of Contents

LETTER OF INTRODUCTION	1
FEDERAL/STATE/LOCAL COMPLIANCE	2
ACADEMIC OVERVIEW AND GRADUATION	2
REQUIREMENTS FOR GRADUATION	2
TESTING REQUIREMENTS FOR GRADUATION	3
EARLY GRADUATION REQUIREMENTS	3
HONORS AT GRADUATION	3
Presidential Award for Educational Excellence	3
Selection Criteria	3
Academic Recognition at Commencement	3
Regular Diploma	4
Honors Diploma	4
COURSE PLANNING INFORMATION	5
COURSE RECOMMENDATION	5
COURSE PARENTAL OVERRIDE PROCEDURE	5
COLLEGE ADMISSIONS	5
ELIGIBILITY FOR ATHLETICS	6
SCHEDULE CHANGE POLICY	6
SUGGESTED SEQUENCE OF STUDY	7
College Education Recommended Curriculum by Grade	7
Career and Technical Education Recommended Curriculum by Grade	7
COURSE OPTION SUMMARY	8
BUSINESS	8
ENGLISH	8
FAMILY AND CONSUMER SCIENCES	9
INDUSTRIAL TECHNOLOGY	9
MATHEMATICS	9
PERFORMING ARTS	10
PHYSICAL EDUCATION / HEALTH	10
SCIENCE	10
SOCIAL STUDIES	11
VISUAL ARTS	11
WORLD LANGUAGES	11
OLENTANGY ACADEMY - STEM	12
COLLEGE CREDIT PLUS	12
AEROSPACE SCIENCE ROTC	12
CAREER CENTER PROGRAMS	12
EDUCATIONAL OPTIONS	12
ADVANCE PLACEMENT (AP) PROGRAM	12
COLLEGE CREDIT PLUS	12
COURSE AUDIT	12
COURSE RE-TAKE	12
CREDIT BELOW THE NINTH GRADE	13
CREDIT FLEXIBILITY OPTION	13
ONLINE COURSES	14
PHYSICAL EDUCATION WAIVER	14
WORK STUDY OPTION	14
DETAILED COURSE DESCRIPTIONS	15
BUSINESS	15
ENGLISH	18
ENGLISH – JOURNALISM	23

FAMILY AND CONSUMER SCIENCES _____	25
MENTORSHIP _____	26
SERVICE LEARNING _____	27
INDUSTRIAL TECHNOLOGY _____	27
MATHEMATICS _____	30
MATHEMATICS – COMPUTER SCIENCE _____	34
PERFORMING ARTS – BAND _____	35
PERFORMING ARTS – CHOIR _____	35
PERFORMING ARTS – THEATER _____	37
PERFORMING ARTS – ORCHESTRA _____	38
PHYSICAL EDUCATION / HEALTH _____	39
SCIENCE _____	41
SOCIAL STUDIES _____	45
VISUAL ARTS _____	50
WORLD LANGUAGES _____	54
OLENTANGY ACADEMY - STEM _____	59
COLLEGE CREDIT PLUS _____	60
OLENTANGY & COLUMBUS STATE COMMUNITY CCP PARTNERSHIP _____	63
COLLEGE BUILDING BLOCKS FOR CSCC CCP STUDENTS _____	64
AEROSPACE & LEADERSHIP (AIR FORCE JUNIOR ROTC) _____	68
DELAWARE AREA CAREER CENTER _____	70

## LETTER OF INTRODUCTION

---

Dear Student,

Course selection is one of the most important decisions you will make while in high school. Careful course selection will guide you into a college or work training program, and, ultimately, into the career of your choice. This Course Selection Guide is designed to help you make the best possible choices for class selections to help you reach your goals.

First, each of your teachers will recommend the next appropriate step in his or her Department's course sequence and required coursework will be entered into the computer for you. Therefore, as a student, you can focus more specifically on selecting those elective courses that most interest you.

After both you and your teachers have had the opportunity to recommend course requests for next year, your parents will also be included and asked to verify that they agree with the course selections assigned.

Finally, as we complete this school year, your teachers and parents will both be given several opportunities to consult with you and make sure that the courses you have selected best fit your academic needs and interests. You should complete the course planner located at the back of this booklet to guide you through the course selection process.

You will meet with a counselor in February each year to schedule your course requests. We are here to support you and your class selections.

Sincerely,

High School Administrators and School Counselors

## FEDERAL/STATE/LOCAL COMPLIANCE

The Olentangy Local School District complies with federal laws that prohibit discrimination in programs and activities receiving federal assistance. Title VI of the Civil Rights Act of 1964 prohibits discrimination on the basis of race, color or national origin. **The American's with Disabilities Act (A.D.A.) and Section 504 of the Rehabilitation Act of 1973** prohibits discrimination on the basis of handicap. Title IX of the Education Amendments of 1972 prohibits discrimination on the basis of sex. The Age Discrimination Act of 1975 prohibits discrimination on the basis of age. Olentangy Local Schools also complies with the **Family Education Rights and Privacy Act of 1994** and grants parents/guardians the right to examine children's official school records. Inquiries regarding unlawful discrimination may be directed to the principal of the building or the district compliance officer.

## ACADEMIC OVERVIEW AND GRADUATION

### REQUIREMENTS FOR GRADUATION

In order to receive a diploma and graduate, a student must meet the graduation requirements set forth by the Ohio Department of Education, meet the school requirements of basic coursework, and earn the total number of minimum credits. Olentangy Local School's requirements for graduation include earning twenty-two (22) units of credit in grades nine through twelve as outlined in Figure 1.

For students enrolled in special education, the criteria for graduation and the extent of participation in the **State mandated assessment tests will be determined by each student's IEP team**. No student shall be required to remain in school for any specific number of semesters or other terms if the student completes the required curriculum early. Additional units of credit may extend and broaden this education or the additional units of credit may be devoted to specialized vocational or academic work.

[Additional information](#) on graduation requirements and pathways.

CREDIT REQUIREMENTS	REQUIRED COURSES
4.0	English
0.5	Health
4.0 <sup>1</sup>	Math
0.5 <sup>2</sup>	Physical Education
3.0 <sup>3</sup>	Science
3.0 <sup>4</sup>	Social Studies
1.0 <sup>5</sup>	Fine Arts Visual Arts courses; Performing Arts courses; Instrumental music; Vocal music; Theater
6.0	Electives
22	Total Credits Required for Graduation

Figure 1. Requirements for graduation at Olentangy Local Schools.

<sup>1</sup>Mathematics units must include one (1) unit of Algebra II or equivalent.

<sup>2</sup>Students may be exempt from the physical education requirement if they utilize the District physical education waiver policy. Another one-half (.5) credit course must be taken in its place.

<sup>3</sup>Science must include one (1) unit of physical sciences, one (1) unit of life sciences, and one (1) unit of advanced study in one or more of the following sciences: chemistry, physics, or other physical sciences; advanced biology or other life science; astronomy, physical geology, or other earth or space science.

<sup>4</sup>Students must earn credit in U.S. History, U.S. Government and Economics. (An additional 1/2 credit World History – Class of 2021).

<sup>5</sup>Students must earn one (1) unit of Fine Arts (visual or performing arts) or otherwise satisfy the arts requirement of the Ohio Core by successfully completing two (2) semesters or the equivalent of Fine Arts in grades 7-12.

## TESTING REQUIREMENTS FOR GRADUATION

For the class of 2021 and 2022, students will earn points toward graduation on seven end-of-the course exams: English I and II, Algebra I, Geometry, Biology, American History and American Government. Students can earn from 1-5 points for each exam, based on their performance. [Graduation requirements](#) for the class of 2021 and 2022.

For the class of 2023 and beyond, students will take six end-of-the course exams: English II, Algebra I, Geometry, Biology, American History and American Government. Students can earn from 1-5 points for each exam, based on their performance. [Graduation requirements](#) for the class of 2023 and beyond.

## EARLY GRADUATION REQUIREMENTS

Students seeking to accelerate their four-year high school academic program should contact the principal for approval. An Early Graduation Request Form obtained from Student Services should be completed prior to the parent/counselor/administrative conference that will be required to review the request.

## HONORS AT GRADUATION

Presidential Award for Educational Excellence

This award was established to encourage students to achieve high academic standards by recognizing and rewarding them for educational excellence.

Selection Criteria

Grade Point Average – Earn a cumulative unweighted grade point average of 3.5 on a 4.0 scale through the first semester of the senior year.

Standardized Achievement Test - Achieve in the 85th percentile or higher in math or reading. (High school seniors may use college admissions examinations such as SAT or ACT)

Academic Recognition at Commencement

A growth mindset in all academic and co-curricular pursuits is encouraged at Olentangy Schools' high schools. Ranking students on GPAs for college admission, however, diminishes the growth mindset. As such, the high schools will honor students based upon the following standards of achievement:

Students will be honored at commencement based on the following cumulative weighted GPA scale.

Summa Cum Laude:	4.000 GPA and above
Magna Cum Laude:	3.800 to 3.999
Cum Laude:	3.670 to 3.799

Beginning with the class of 2020, the high schools will recognize as valedictorian(s) anyone who achieves the highest cumulative GPA in the class at the end of the seventh and/or eighth semester. In order to be eligible, a student must have attended an Olentangy high school for his/her/their entire fifth through eighth semesters.

This ranking is used for certain senior honors.

1. Class rank shall be computed by the final grade in specific subjects.
2. The rank of the student will be determined by grade point average. All students receiving the same GPA shall receive the same class rank.
3. In recognition of the heavier burden of Advanced Placement and College Credit Plus classes, grade point averages shall be weighted by awarding up to 1.0 extra unit.
4. **A student's grade point average and rank in class shall be entered only on his/her record and shall be subject to the board's policy on release of student records. A student's class rank is used for internal purposes and is not released to colleges and/or other institutions or agencies without prior written consent from the individual or his/her/their parents/legal guardians if the student younger than eighteen (18) years of age.**

#### Regular Diploma

A diploma will be issued to students who meet all requirements of the Ohio Department of Education and Olentangy Board of Education for graduation.

#### Honors Diploma

High school students can gain state recognition for exceeding Ohio's graduation requirements through an honors diploma. Students challenge themselves by taking and succeeding at high-level coursework and in real-world experiences. Ohio students have the opportunity to choose to pursue one of six honors diplomas.

[Academic Honors Diploma](#)

[International Baccalaureate Honors Diploma](#)

[Career Tech Honors Diploma](#)

[STEM Honors Diploma](#)

[Arts Honors Diploma](#)

[Social Science and Civic Engagement Honors Diploma](#)

Additional details about the options for the [honors diplomas](#).



## COURSE PLANNING INFORMATION

---

### COURSE RECOMMENDATION

Olentangy teachers make course recommendations for all students using achievement test information, current and prior grade history, and personal knowledge of the student. Parents and students who **disagree with a teacher's recommendation should follow the Course Parental Override Procedure** outlined in the next section.

### COURSE PARENTAL OVERRIDE PROCEDURE

Olentangy teachers make specific recommendations about which courses are most appropriate for their students using standardized achievement test data, current and previous course grade history, and specific knowledge of their students. If a student and her/his/their parents wish to take a course the student's teacher has not recommended, a course parental override conference may be held and an override form must be completed by the student and parent(s). If the student has trouble in the course and wants to drop it, she/he/they may receive a "WF" (withdraw F) in the course.

### COLLEGE ADMISSIONS

Those who intend to go to college should become aware of the entrance requirements of the college or university they wish to attend and organize and schedule their high school curriculum to meet these requirements. Students who are undecided about their choice of a college but who wish to be prepared for minimum admission standards should take the suggested college prep curriculum as defined by the Ohio Board of Regents (the governing board for all Ohio colleges and universities). The minimum college prep requirements are listed below. The number indicated in the parentheses represents the recommended number of units for strong preparation for university admission.

College Prep English	4 Units
College Prep Mathematics	4 Units
College Prep Science	3 (4) Units
College Prep Social Studies	2 (3) Units
Same World Language	2 (3) Units
Visual or Performing Arts	1 Units
Above Courses	1 additional unit

Students not fulfilling these requirements may be accepted at colleges and universities on "conditional" admission. A conditional admission means the university may request the student complete specific courses to complete pre-college preparation. For example: Colleges and universities may require at least 3, sometimes 4, semesters of world language for all majors. Therefore, students planning to attend college are encouraged to take three years of world language to be fully prepared.

The courses listed above represent a minimum high school curriculum for most colleges and universities. Some will accept fewer credits and some will require more than what you see in the list above. We stress, again, the need to review what you know about the admission requirements as soon as possible, since there is considerable variation in college/university admission standards and requirements. The appropriate college catalog or web page should be consulted for more information.

We stress, also, that college admission cannot be assured simply by the accumulation of the required credits, but is dependent to a great extent on overall academic excellence. Also considered are such factors as ACT/SAT scores, participation in extra-curricular activities, recommendations from the school, and enrollment in advanced placement and honors courses.

## ELIGIBILITY FOR ATHLETICS

If a student plans to participate in athletic activities, the student must be enrolled in and passing five credits in each grading period (excluding P.E., and Math/Science Labs). In addition, each student must earn a minimum G.P.A. of 1.50 per quarter. If not, that student will be ineligible to participate during the next grading period.

Summer school grades, exam grades, semester grades, credit flex courses, and final course grades do not count toward eligibility. Only those grades earned in the previous quarter are used for eligibility purposes. For example, eligibility for first quarter participation is determined by fourth quarter grades from the previous school year.

## COURSES WITH FEES

In some cases, select courses have additional supplies, exams (such as AP exams), print and digital learning materials, and/or pay to participate fees associated with them. Course descriptions include information about course fees. Contact your school counselor for additional questions about course fees.

## SCHEDULE CHANGE POLICY

The following regulations will be followed at all Olentangy high schools.

1. Due to commitments for staff employment/assignments, and ordering of textbooks and other supplies, no schedule changes can be made after the last school day except for the following reasons:
  - a. Mechanical error changes.
  - b. Changes necessitated by failures.
  - c. Class balancing (guidance and administrative).
  - d. Subject-level changes (teacher recommendation).
  - e. Addition of a class in lieu of study hall the same period.
  - f. Administrative (teacher/guidance) recommendation.
2. If a student wishes to appeal the schedule change policy, please follow the building guidelines.
3. Dropping classes – While we hope students have scheduled courses that make sense for academic and personal growth goals, we recognize the factors **outside of a student's control** in completing the course may occur after the class begins; therefore, the drop policy outlined in the items below will encourage students to talk to their teachers, reach out for help, if needed, and/or consult their families and/or school counselors for a source of guidance, when considering a drop of a class from their schedule.
  - a. DROP POLICY – FULL YEAR CLASSES- For classes scheduled for the full year, students will be allowed to drop a class in the first quarter without any penalty; a drop of a class in the second quarter would generate a grade on the transcript of Withdraw (D) or (WD)\*; and, during the third or fourth quarters, a drop of a class would generate a grade on a transcript of Withdraw (F) or (WF)
  - b. DROP POLICY – SEMESTER-LENGTH CLASSES – For classes scheduled in one semester, a drop without penalty will be allowable through the first 25% of the course or the interim

period; a drop that takes place during the second 25% of the course would lead to a Withdraw (D) or (WD)\* on the transcript, and a drop that takes place in the second half or second 50% of the semester would lead to a Withdraw F or (WF) on the transcript.

\*NOTE: A mark of WD on the transcript does not affect the overall GPA.

4. Adding classes – The need to add a class may arise when changes to a schedule are made or a student makes a decision about future goals that would require a schedule change (e.g., interested in attending a culinary institute after a high school, so he/she/they change electives). The following items outline the district 'Add' policy:
  - a. ADD POLICY – FULL YEAR CLASSES – Students may consult their counselors to add class(es) up to 10 school days of the school year.
  - b. ADD POLICY – SEMESTER-LENGTH COURSES – Students may consult their counselors to add classes up to 5 school days of the semester (includes both the fall and spring semesters).

## SUGGESTED SEQUENCE OF STUDY

(R) = Required class for that grade level

(RS) = Required class to graduate; suggested for this grade level but may be taken at another time

### College Education Recommended Curriculum by Grade

#### 9<sup>th</sup> Grade

English (R)	1 credit
*Math (R)	1 credit
Physical Science	1 credit
World History 1750-Present (R)	1 credit
Physical Education I (RS)	¼ credit
Health (RS)	½ credit
World Language / Other Electives	1 credit

#### 10<sup>th</sup> Grade

English (R)	1 credit
*Math (R)	1 credit
Biology (RS)	1 credit
U.S. History 1877-Present (R)	1 credit
Physical Education II (RS)	¼ credit
World Language / Other Electives	1 credit

#### 11<sup>th</sup> Grade

English (R)	1 credit
*Math (R)	1 credit
Chemistry (R)	1 credit
World Language	1 credit
U.S. Government (RS)	½ credit
Economics (RS) / Other Electives	½ credit

#### 12<sup>th</sup> Grade

English (R)	1 credit
*Math(R)	1 credit
Advanced Science	1 credit

Colleges may require a world language for all majors.

### Career and Technical Education Recommended Curriculum by Grade

9 <sup>th</sup> Grade		10 <sup>th</sup> Grade	
English (R)	1 credit	English (R)	1 credit
*Math (R)	1 credit	*Math (R)	1 credit
Physical Science	1 credit	Biology (RS)	1 credit
World History 1750-Present (R)	1 credit	U.S. History 1877-Present (R)	1 credit
Physical Education I (RS)	¼ credit	Physical Education II (RS) /	¼ credit
Health (RS) / Other Electives	½ credit	Other Electives	
11 <sup>th</sup> Grade		12 <sup>th</sup> Grade	
English (R)	1 credit	English (R)	1 credit
*Math (R)	1 credit	*Math(R)	1 credit
U.S. Government (RS)	½ credit	Science	1 credit
Economics (RS)	½ credit	Delaware Area Career Center	
Delaware Area Career Center	3 credits	Delaware Area Career Center	3 credits
		Electives	
		Other Electives	

\*Four credits of mathematics are required for graduation (through Algebra II). See mathematics courses.

## COURSE OPTION SUMMARY

### BUSINESS

#### (COURSE DETAIL)

Accounting	½ credit	Business Tech	½ credit
Entrepreneurship	1 credit	Marketing	½ credit
International Business and Global Econ	½ credit	Marketing Principles	½ credit
Business Foundations	½ credit	Marketing Applications	1 credit
Professional Communication Strategies	½ credit	Integrated Marketing Communications	1 credit
Personal Finance	½ credit	Marketing Internship	1 credit
		Professional and Technical Sales	1 credit

### ENGLISH

#### (COURSE DETAIL)

CP English 9	1 credit	Film as Literature	½ credit
CP English 10	1 credit	College Survival Skills	½ credit
Honors CP English 9	1 credit	Etymology	½ credit
Honors CP English 10	1 credit	Mythology	½ credit
CP English 11	1 credit	Bible as Literature	½ credit

CP English 12	1 credit	Creative Writing with Style	½ credit
AP English Lit/Composition	1 credit	Intro to Journalism	1 credit
AP Language/Composition	1 credit	Newspaper Journalism	1 credit
AP Seminar	1 credit	Advanced Newspaper Journalism	1 credit
AP Research (*See Course Description)	*1 credit	Yearbook Journalism	1 credit
Speech	½ credit	Broadcast & Video Production	1 credit
Advanced Speech	½ credit		

## FAMILY AND CONSUMER SCIENCES

### (COURSE DETAIL)

Post-Secondary Planning	½ credit	On Your Own	½ credit
Design	½ credit	Mentorship I	1 credit
Food for Fitness	½ credit	Mentorship II	1 credit
Cultural Cuisine	½ credit	Teacher Academy	3 credits
Human Relationships	½ credit	Service Learning	½ credit

## INDUSTRIAL TECHNOLOGY

### (COURSE DETAIL)

CAD I	½ credit	Basic Wood Technology	½ credit
CAD II	½ credit	Intermediate Wood Technology	½ credit
Architectural Drafting	½ credit	Advanced Wood Technology	1 credit
Engineering I	½ credit	Home Maintenance	½ credit
Engineering II	½ credit		

## MATHEMATICS

### (COURSE DETAIL)

Algebra I	1 credit	Algebra III	1 credit
Algebra I (Dbl-Bk)	1 credit / ½ non-Math elective credit	Pre-Calculus	1 credit
Geometry	1 credit	Honors Pre-Calculus	1 credit
Geometry (Dbl-Bk)	1 credit	Discrete Math	1 credit
Honors Geometry	1 credit	Calculus	1 credit
Intro to Statistics	1 credit	AP Calculus AB	1 credit
Intro Algebra II	1 credit	AP Calculus BC	1 credit
Algebra II	1 credit	AP Statistics	1 credit

Algebra II (Dbl-Blk)	1 credit / ½ non-Math elective credit	AP Computer Science A	1 credit
AP Computer Science Principles	1 credit	Introduction to Computer Science	½ credit
Honors Algebra II	1 credit		

## PERFORMING ARTS

### (COURSE DETAIL)

Introduction to Theater	½ credit	Music Theory	½ credit
Acting	½ credit	Concert Orchestra	1 credit
Stagecraft	½ credit	Base Chorus	1 credit
Theater Seminar	½ credit	Treble Chorus	1 credit
Performance Ensemble	½ credit	Advanced Select Choir	1 credit
Concert/Marching Band	1 credit	Concert Choir	1 credit
Band Auxiliary/Flag Corps	½ credit	Show Choir	1 credit
Jazz Band	1 credit	AP Music Theory	1 credit
Music Appreciation	½ credit	Ensemble Choir	1 credit

## PHYSICAL EDUCATION / HEALTH

### (COURSE DETAIL)

Physical Education/Dual/ Individual Activities & Fitness	¼ credit	Conditioning & Weight Training	¼ credit
Physical Education/Team Activities & Fitness	¼ credit	Physical Education Elective	¼ credit
Physical Education/Activities & Fitness	¼ credit	Lifetime Fitness I	¼ credit
Health	½ credit	Lifetime Fitness II	¼ credit

## SCIENCE

### (COURSE DETAIL)

Physical Science	1 credit	AP Biology	1 credit
Honors Physical Science	1 credit	AP Chemistry	1 credit
Biology	1 credit	AP Physics 1	1 credit
Honors Biology	1 credit	AP Physics C: Mechanics	1 credit
Chemistry	1 credit	AP Environmental Science	1 credit
Honors Chemistry	1 credit	Anatomy & Physiology	1 credit
Physics	1 credit	Earth and Space Science	1 credit
Conceptual Physics	1 credit	Forensics and Genetics	1 credit

SOCIAL STUDIES(COURSE DETAIL)

World History 1750-Present	1 credit	AP World History	1 credit
Honors World History 1750-Present	1 credit	AP Macro Economics/Micro Economics	1 credit
US History 1877-Present	1 credit	AP Psychology	1 credit
Honors US History 1877-Present	1 credit	Criminal and Civil Law	½ credit
US Government	½ credit	Economics	½ credit
AP US Government/Politics	1 credit	Psychology	½ credit
AP US History	1 credit	Sociology	½ credit
AP European History	1 credit	World Religions	½ credit

VISUAL ARTS(COURSE DETAIL)

Art I	½ credit	Jewelry & Metals I, II, III, Advanced	½ credit each
Ceramics I, II, III, Advanced	½ credit each	Painting I, II, III, Advanced	½ credit each
Sculpture I	½ credit each	Photography I, II, III, Advanced	½ credit each
Modeling & Animation I, II, III, Advanced	½ credit each	Digital Art & Design I, II, III, Advanced	½ credit each
Drawing I, II, III, Advanced	½ credit each	AP Art History	1 credit

WORLD LANGUAGES(COURSE DETAIL)

French I	1 credit	German IV	1 credit
French II	1 credit	AP German	1 credit
French III	1 credit	Spanish I	1 credit
French IV	1 credit	Spanish II	1 credit
AP French	1 credit	Spanish III	1 credit
German I	1 credit	Spanish IV	1 credit
German II	1 credit	AP Spanish	1 credit
German III	1 credit		

OLENTANGY ACADEMY - STEM[\(COURSE DETAIL\)](#)COLLEGE CREDIT PLUS[\(COURSE DETAIL\)](#)AEROSPACE SCIENCE ROTC[\(COURSE DETAIL\)](#)CAREER CENTER PROGRAMS[\(COURSE DETAIL\)](#)EDUCATIONAL OPTIONS

---

ADVANCE PLACEMENT (AP) PROGRAM

The Advanced Placement Program is an opportunity for students to pursue college-level studies while still in secondary school. Through this program they may earn credit, advanced placement, or both for college. The expectations are at a college level. All AP courses have prerequisites which are listed in the Detailed Course Descriptions section of this course planning guide.

COLLEGE CREDIT PLUS

College Credit Plus (CCP) is an option for students to earn college credit while in middle or high School. Once you are admitted to a college, you may take any course in their course catalogue that is not remedial or religious, and that applies toward a degree or professional certificate, in a subject area in which you are college-ready (ORC 3365.12). A post-secondary institution or college is defined as any state-assisted college or university described in the Ohio Revised Code or any nonprofit institution holding a certificate of authorization. There is more detailed information later in this handbook. Students interested in College Credit Plus (CCP) must meet all of the following criteria.

1. Attend a meeting with high school officials explaining the program.
2. Turn in "Intent to Participate" form to high school by the designated deadline.
3. Must meet college admission requirements, be accepted into their program, and follow all of their guidelines and calendar dates.

COURSE AUDIT

In order to audit a course, a student must have received a "C-" or higher in the original course. No credit will be granted for audited courses. All course work is required and grades will be assigned. Signature of the classroom teacher is required.

COURSE RE-TAKE

A student may re-take a course if s/he received a "D+" or below in the original course, or is recommended to do so by the teacher. The point value of the higher of the two grades (retake course grade or original grade) will be the only one averaged into the student's cumulative grade point average (GPA). However, the academic record of both courses will be reflected on the student's transcript. Credit for the course will



not be duplicated. This retake policy applies only to classes offered through the Olentangy Local School District.

Students taking courses through College Credit Plus (CCP) must follow the college's policy regarding retaking a course. Students passing the course earning a grade of D- or above may choose to re-take a course but must do so outside the CCP program at the expense of the family/student. The college course grade is applied to the high school transcript. If the student receives a failing grade (E, F) for a CCP course, the family/student will be responsible for reimbursing the district for the cost of the course. The student may retake the course in accordance to the college's policies and the new grade will be applied to the student's high school transcript.

## CREDIT BELOW THE NINTH GRADE

Olentangy Local Schools will award credit for "high school courses" taken prior to the ninth grade. In most instances, a grade of "P" (passing) benefits a student's cumulative grade point average. Therefore, students will receive a grade of "P" on their high school transcript for each high school course taken. If, prior to the end of the first semester of the student's senior year, the student and parent wish to change the "P" grade into an academic letter grade, the student and parent must complete the 8<sup>th</sup> grade change request form. Upon written request, the "P" grade will be replaced with the final grade issued on the student's 8th grade report card. Students enrolled in high school courses that included a required end-of-course exam must take the test to meet graduation requirements.

Students taking courses during summer school between their 8th and 9th grade year are considered 9th graders, and will be assigned a letter grade for course work.

Per Ohio law, students new to the district desiring such credit must provide their respective counselor the following documentation on their previous school's letterhead: 1) that the course which credit is being pursued was a high school course; and 2) that the course was taught by a teacher who held the appropriate secondary teaching license/certificate for the course. No courses, other than those listed above, will be accepted for credit.

Students electing to re-take any course will not receive high school credit or a grade for the course below the ninth grade.

## CREDIT FLEXIBILITY OPTION

Olentangy recognizes that an effective educational program is one that supplies opportunities for all students to customize aspects of their learning around needs and interests. The District Credit Flexibility Plan offers options enabling students to earn high school credit by completing coursework or showing proficiency of course content by completing activities and/or testing. Information detailing courses and procedures for credit flexibility are available in the guidance office or on the [district' website](#).

There are two options for earning credit within the program.

Course Proficiency – Testing out of and earning credit for a high school course through the successful completion of an assessment.

Educational Options – Allows a student to earn credit through the creation of and completion of a student-designed project/proposal.

## ONLINE COURSES

Olentangy offers some courses in an online format. Please speak with a building administrator or guidance counselor for more information about specific course offerings.

## PHYSICAL EDUCATION WAIVER

In accordance with Section 3313.603 of the Ohio Revised Code, students in grades 9-11 may be excused from all physical education course requirements by taking part in District-sponsored interscholastic athletics, marching band, cheerleading, show choir or JROTC for at least two seasons (or two full years for JROTC). Students in grade 12 who have not completed their waiver requirements or taken a physical education course, will be automatically enrolled in physical education in their senior year. See also, Board Policy 5460.

## WORK STUDY OPTION

Olentangy Local Schools offers an experience option for students who have met the state of Ohio's "complete core" curriculum. These are:

Eligibility – student must be completing a "Complete Core Curriculum." Experience – Eligible students may flex arrival or departure time.

Participation Requirement – student must complete 160 hours of supervised, documented work study. Upon successful completion, the student will earn 1 elective credit for the work study component of this experience.

## DETAILED COURSE DESCRIPTIONS

### BUSINESS

#### ACCOUNTING (03810)

Credit: 1/2	Elective Course
Grades: 10, 11, 12	Fee: Yes
Prerequisite: None	

Accounting is designed for students who have a variety of career objectives. The student learns about basic financial business records and how to use those records to help make sound business decisions. Topics covered include the accounting equation, transaction analysis, steps in the accounting cycle, preparing and analyzing financial statements, and payroll records for various types of businesses. **Accounting is called the “language of business” and anyone who has career objectives in business should have a basic understanding of this language.**

#### ENTREPRENEURSHIP (03750)

Credit: 1	Elective Course
Grades: 10, 11, 12	Fee: Yes
Prerequisite: None	

Entrepreneurship is a full-year course offering authentic experience as students build a business. Students develop their own product or service startup to gain investment funds in a final shark-tank style pitch event. Entrepreneurs and industry experts serve as mentors guiding student teams through the processes of developing hypotheses about a business concept, testing those hypotheses, adapting, and continually learning and improving. Students leave the course having completed a Business Model Canvas, competitive analysis, financial model, smallest viable product, pitch deck, future communications plan, and future funding plan.

#### INTERNATIONAL BUSINESS AND GLOBAL ECON (03890)

Credit: 1/2	Elective Course
Grades: 10, 11, 12	Fee: Yes
Prerequisite: None	

The International Business class is designed to provide students with a basic understanding of international business in our free enterprise economy. Students will look at the impact of cultural differences, methods of doing business in other countries, the role of trade agreements and organizations, and various marketing strategies related to doing business internationally.

#### BUSINESS FOUNDATIONS (03840)

Credit: 1/2	Elective Course
Grades: 9, 10, 11, 12	Fee: Yes
Prerequisite: None	

This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics, and entrepreneurship. Students will use technology to synthesize and share business information. Employability skills, leadership, communications, and business financial literacy will be addressed.

**PROFESSIONAL COMMUNICATIONS STRATEGIES (03790)**

Credit: 1/2

Elective Course

Grades: 9, 10, 11, 12

Fee: No

Prerequisite: None

Students will learn to collaborate in teams, solve problems, gather information, and use technology to communicate effectively utilizing software, e-mail, multimedia, and the Internet. Writing, listening, speaking, computing, research, and critical thinking skills will be refined to help prepare students for career success in a professional work environment.

**PERSONAL FINANCE (03850)**

Credit: 1/2

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: None

This course is designed to teach students the essential concepts of personal finances and to give them a lifetime program of successful money management. Students will learn several financial strategies, including banking; budgeting; savings; buying cars, house and insurance; investing; how to handle credit and debt; and philanthropy.

**BUSINESS TECH (03860)**

Credit: 1/2

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: None

This comprehensive course will acquaint students with the capabilities of various software programs used in businesses and by college students today. Students will learn core skills in the Microsoft Office software suite and apply them to simulations that reflect real world applications such as letters, forms, and publications, spreadsheets that incorporate formulas and graphs, and quality presentations that integrate text, graphics, and special effects. Students will also have an opportunity to earn Microsoft Office Specialist (MOS) certification through additional advanced independent study projects.

**MARKETING APPLICATIONS (03930)**

Credit: 1

Elective Course

Grade: 11

Fee: Yes

Prerequisite: Students must submit an application.

Corequisite: Concurrent enrollment in Marketing Principles.

Students will develop and implement marketing strategies and techniques across marketing functions: channel management, marketing research, market planning, pricing, product/service management and branding. They will use marketing operations procedures and activities to ensure marketing's efficiency and effectiveness. Students will generate, screen, and develop new product ideas. They will predict economic trends and conditions and determine how cultural intelligence can impact organizations. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

**INTEGRATED MARKETING COMMUNICATIONS (03940)**

Credit: 1

Elective Course

Grades: 12

Fee: Yes

Prerequisite: Students must submit an application. Students who complete the Marketing Applications class as a junior have priority consideration to enroll in this class.

Corequisite: Concurrent enrollment in Professional and Technical Sales or Marketing Internship.

Students will create, execute, and evaluate promotional strategies and content for advertising, sales promotion, and publicity/public relations. They will apply project management techniques to guide and control promotional campaign development and execution. Students will incorporate motivation theories, branding techniques and design principles in communications with targeted audiences. They will plan and implement procedures to use marketing communications that mitigate image or brand-damaging issues. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

**PROFESSIONAL AND TECHNICAL SALES (03950)**

Credit: 1

Elective Course

Grade: 12

Fee: No

Prerequisite: None

Corequisite: Concurrent enrollment in Integrated Marketing Communications

In this course, students will show sales processes and techniques used in a business-to-business environment. They will develop, grow, and maintain positive business relationships. Students will monitor trends and the business environment to determine the impact on their sales, customers, and competitors. They will negotiate and adjust the prices and sales terms. Students will manage sales activities and territories. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

**\*MARKETING PRINCIPLES (03931) \*Credit Flex Only**

Credit: 1/2

Elective Course

Grade: 11

Fee: No

Prerequisite: Students must submit an application.

Corequisite: Concurrent enrollment in Marketing Applications

This is the first course in the Marketing career field. It introduces students to the specializations offered in Marketing. Students will obtain fundamental knowledge and skills in marketing communications, marketing management, marketing research, merchandising and professional selling. They will acquire knowledge of marketing strategies, market identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership and communications will be incorporated in classroom activities.

**MARKETING INTERNSHIP (03929)**

Credit: 1

Elective Course

Grade: 12

Fee: No

Prerequisite: None

Corequisite: Concurrent enrollment in Integrated Marketing Communications

Students enrolled in the Marketing and Management class are also enrolled in Marketing Internships. One (1) credit is earned for this part-time employment experience. Students will work in paid positions with area businesses. Students may choose their own internship site as long as it is "marketing related". Student will

complete regular management-related assignments. Students must work 100 hours per quarter/400 hours for the year. Early release is possible but not required.

#### MARKETING PATHWAY

Part of the marketing pathways consists of two classes: Marketing Applications, for juniors and Integrated Marketing Communications, for seniors. Students of both classes are involved in both educational experiences listed below.

##### School Store

The school store is a student-run, school-based enterprise. It is operated by the students in the Marketing program.

##### DECA

DECA is the co-curricular association for students enrolled in Marketing. DECA offers many opportunities to learn about business and compete in business competitions. Students may compete at the district, state and national levels. Visit [www.deca.org](http://www.deca.org) and [www.ohiodeca.us](http://www.ohiodeca.us) for more information about DECA.

Students who complete the following course and complete at least three end-of-course assessments are eligible to receive college credit. The courses required for the pathway are as follows:

- Business Foundations (semester)
- Marketing Principles (semester)
- Marketing Applications (full-year)
- Integrated Marketing Communications (full-year)
- Professional and Technical Sales (full-year) \*course requirements met through School Store and Internship

#### ENGLISH

If you are currently enrolled:	Suggested placement:
CP English 9 OR Honors CP English 9	CP English 10 OR Honors CP English 10
CP English 10 OR Honors CP English 10	CP English 11 OR AP English Option
CP English 11 OR AP English Option	CP English 12 OR AP English Option

#### COLLEGE PREP ENGLISH 9 (05110)

Credit: 1

Grade: 9

Prerequisite: None \*Course may be offered in an online or hybrid format.

Required Course

Fee: No

This course introduces freshmen to high school-level literacy study. Reading instruction includes strategies to comprehend and analyze features of fiction and non-fiction through study of varieties of genres representing different authors and cultures. Students will apply the reading process to achieve a deeper understanding of authors' purposes and to analyze literary and rhetorical elements of texts. Writing instruction includes development of skills in pre-writing, drafting, revising, editing, and publishing. Students will write narrative, expository, and persuasive compositions as well as informal and functional assignments. Instruction will also focus on acquisition of vocabulary and writing conventions skills. Students will be introduced to research skills and resources and will develop communication skills that

include listening and speaking strategies. The reading of a novel will be required in the summer, and the purchase of one or two paperbacks may be required. The same curriculum may be delivered via an accelerated interdisciplinary approach, a Humanities perspective or a departmentalized format. Each will incorporate various forms of enrichment depending on the strengths associated with each instructor and building.

HONORS COLLEGE PREP ENGLISH 9 (05115)
---------------------------------------

Credit: 1	Required Course
Grade: 9	Fee: No
Prerequisite: None *Course may be offered in an online or hybrid format	

The Honors College Prep English 9 course includes the same curriculum as the College Prep English 9 course. The instruction of this curriculum may be delivered via an accelerated interdisciplinary approach or by a traditional departmentalized format. Each will incorporate various forms of enrichment depending on the strengths associated with each instructor and building.

COLLEGE PREP ENGLISH 10 (05210)
---------------------------------

Credit: 1	Required Course
Grade: 10	Fee: No
Prerequisite: None *Course may be offered in an online or hybrid format.	

This course continues study of literacy skills begun at the freshman level, utilizing literature and more advanced writing. Reading instruction continues building comprehension and analytical skills for varieties of fiction and non-fiction genres. Students will evaluate literary and rhetorical techniques used to develop authors' purposes, with special focus placed on recognizing and developing persuasive techniques in both reading and writing assignments. Students will develop arguments through speaking and writing applications, continuing to take compositions through prewriting, drafting, revising, editing, and publishing phases of the writing process. They will also continue to develop skills in using writing conventions and building vocabulary. The course will focus on using the research process to develop a research paper and/or presentation. The reading of a novel will be required in the summer, and the purchase of several paperbacks. Additional written genres will also be practiced.

HONORS COLLEGE PREP ENGLISH 10 (05215)
--

Credit: 1	Required Course
Grade: 10	Fee: No
Prerequisite: None	

The Honors College Prep English 10 course includes the same curriculum as the College Prep English 10 course. The instruction of this curriculum may be delivered via an accelerated interdisciplinary approach or by a traditional departmentalized format. Each will incorporate various forms of enrichment depending on the strengths associated with each instructor and building.

COLLEGE PREP ENGLISH 11 (05310)
---------------------------------

Credit: 1	Required Course
Grade: 11	Fee: No
Prerequisite: None *Course may be offered in an online or hybrid format.	

This course continues building literacy skills necessary for success in students' post-secondary education through a critical exploration of American literature. Reading instruction focuses on higher-level comprehension and analytical skills of fiction and non-fiction texts. Through a variety of genres, students will analyze characteristics of various American myths of identity and the influence of historical context on the writers of American literary periods. They will also continue study of literary and rhetorical techniques

writers use to achieve purpose. Writing instruction focuses on a variety of strategies to take compositions through stages of the writing process, and writing assignments focus heavily on argumentative, responsive, interpretive, and expressive responses to literature, as well as personal, persuasive, responsive, or functional writing assignments. Study of writing conventions, vocabulary, research skills, and communication strategies will continue in students' vertical learning process. Summer reading is required as is the purchase of paperback novels throughout the year.

COLLEGE PREP ENGLISH 12 (05410)
---------------------------------

Credit: 1

Required Course

Grade: 12

Fee: No

Prerequisite: None \*Course may be offered in an online or hybrid format.

This course is designed for college-bound seniors and focuses on intensive building of literacy, writing, and critical thinking skills. Reading instruction continues building higher-level comprehension and analytical skills of fiction and non-fiction texts. Students may analyze characteristics of a variety of genres. They will also continue study of literary and rhetorical techniques writers use to achieve purpose. Writing instruction focuses on a variety of strategies to take compositions through stages of the writing process, and writing assignments focus heavily on interpretive, analytical, persuasive and evaluative responses to literature, as well as personal, responsive, and functional writing assignments. Students will complete an extensive research project. Study of writing conventions, vocabulary, and communication strategies will continue. This writing intensive course is supported by an array of fiction and non-fiction texts. Summer reading is required as is the purchase of several paperback texts.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (05510)
---

Credit: 1

Elective Course

Grade: 11 (replaces C.P. English 11 requirement)

Fee: Yes

Prerequisite: "B+" or higher in CP English 10 or a "B-" or higher in Interdisciplinary Studies English 10

This course is designed to match the rigor and depth of an introductory college-level English literature course.

1. Students will develop and use sophisticated reading skills to experience, interpret, and evaluate complex literary works from various genres. Students will develop a specialized college-level critical vocabulary for the analysis and evaluation of themes and stylistic and literary techniques found in complex texts.
2. These skills will then be evaluated through written analysis and discussion. Writing situations will consist of both multi-draft essays and in-class writing prompts that mirror AP testing conditions. The course entails much reading and writing. There is a required summer assignment that includes a writing component and the reading of several books that students will be expected to purchase. Students may be expected to purchase other books during the school year.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (05520)
---

Credit: 1

Elective Course

Grade: 12 (replaces C.P. English 12 requirement)

Fee: Yes

Prerequisite: A "B+" or higher in CP English 11 or a "B-" or higher in AP English Literature

This course matches the rigor and depth of an introductory college-level composition course. Students will develop sophisticated reading strategies to perform nuanced rhetorical and stylistic analysis of texts from a variety of genres, time periods, and cultures. Most of the readings will consist of non-fiction prose, and students will analyze and evaluate rhetorical choices writers use to develop purpose and effect. Students



will write several expository, expressive, and persuasive essays, using a variety of rhetorical modes, and will take compositions through several drafts to develop ideas and writing style. The course also focuses on informal writing and composing responses to prompts that mirror AP testing conditions. Students will develop college-level proficiency in finding, evaluating, and synthesizing sources into informative and persuasive writing. The course entails much reading and writing. There is a required summer assignment that includes a writing component and the reading of several books that students will be expected to purchase. Students may also be required to purchase other books during the school year.

<b>ADVANCED PLACEMENT SEMINAR (05530)</b>
---

Credit: 1

Elective Course

Grade: 11, 12

Fee: Yes

**Prerequisite:** B+” or higher in CP English 10 or a “B-” or higher in Interdisciplinary Studies English 10

The first course in the AP Capstone experience and an English core credit in OLSD, is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. AP Seminar is a pre-requisite for AP Research as per College Board. If students choose to continue on to AP Research, they have the opportunity to earn the AP Capstone Certificate or the AP Capstone Diploma distinction on their transcript.

<b>ADVANCED PLACEMENT RESEARCH (05540)</b>
--

Credit: 1

Elective Course

Grade: 11, 12

Fee: Yes

**Prerequisite:** AP Seminar

The second course in the AP Capstone experience and an English elective credit in OLSD, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000 – 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. AP Seminar is a pre-requisite for AP Research as per College Board. This course does not fulfill a required English credit.

<b>SPEECH (05230)</b>
-----------------------

Credit: 1/2

Elective Course

Grades: 9, 10, 11, 12

Fee: No

**Prerequisite:** None

This semester course will expose students to a wide variety of public speaking experiences. Communication concepts such as discussion, public speaking modes, research, and delivery of speeches allow the student a full exposure to the speaking and listening process and the opportunity to develop speaking skills and strategies. Instruction will also focus on the finding, synthesizing, and documentation of

research into speeches. All students will participate in the presentation and delivery of impromptu, extemporaneous, and prepared material.

<b>ADVANCED SPEECH (05810)</b>
--------------------------------

Credit: 1/2

Grades: 10, 11, 12

Prerequisite: B" or better in Speech or approval of instructor

Elective Course

Fee: No

Advanced public speaking aims to strengthen skills learned in speech class as well as to foster an environment for competitive public speaking through an in-depth study of speech communication. Since the course focuses on interpretation, it serves competitive speech team members, students interested in drama, and those students specifically interested in public speaking who wish to hone those skills more specifically than the basic speech course allows.

<b>BIBLE AS LITERATURE (05840)</b>
------------------------------------

Credit: 1/2

Grades: 10, 11, 12

Prerequisite: None

Elective Course

Fee: No

This course focuses on well-known stories and characters from the Bible and biblical allusions. Students will study various genres found in the Bible, as well as related history and geography. Emphasis is placed on literary aspects of the Bible and not on religious interpretation of the texts. Readings may include literary works that include biblical references.

<b>FILM AS LITERATURE (05850)</b>
-----------------------------------

Credit: 1/2

Grades: 11, 12

Prerequisite: None

Elective Course

Fee: No

This course focuses on analyzing the art of film, including cinematography, audiovisual elements, genre tropes, and more. Through the series of films, students will study various genres through different lenses, including but not limited to, literary, dramatic, cinematic, and cultural. The intent of viewing the films is to strengthen students' critical analysis of the selected works, many of which have a strong literary link and are adaptations of novels, short stories, musicals, and plays. Assessments can be based on frequent writing assignments, tests, quizzes, and projects through which students will improve analytical, interpretive, stylistic, and organizational and presentation skills. The course is recommended for 11th and 12th graders as they have had the necessary reading and writing skills to perform the assessments and are mature enough to digest the cinematic content.

<b>COLLEGE SURVIVAL SKILLS (05860)</b>
--

Credit: 1/2

Grades: 11, 12

Prerequisite: None

Elective Course

Fee: No

This semester course is designed for college-bound students who want to broaden their awareness of a range of skills relevant to success in college. Students will be exposed to a wide range of issues designed to raise awareness and build skills for success in college, such as reading and comprehension skills, skimming, scanning, previewing, vocabulary development, concentration, time management, listening, discussion, note-taking and study and test-taking skills. Strong emphasis is also placed on college selection and applications, scheduling, campus safety and other subjects related to college life.

**ETYMOLOGY (05880)**

Credit: 1/2

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course focuses on identification, evaluation, and synthesis of words essential for assessments such as the ACT and SAT. Students will learn and effectively use college-level vocabulary and demonstrate a range of strategies to elaborate and explain word meanings, as well as integrate new vocabulary into written assignments and class discussions. Students will also learn the relevance of advanced vocabulary in current written context.

**MYTHOLOGY (05895)**

Credit: 1/2

Grades: 10, 11, 12

Prerequisite: None

Elective Course

Fee: No

This course focuses on analyzing and evaluating the three major themes of mythology using Greek and Roman myths and using myths from various cultures around the world. This course will include historical background of classical cultures and more diverse global cultures. Readings may include myths from Babylonian, Egyptian, Eastern, Pacific, Norse, Celtic, African, American, Native American, and British traditions. The course will include historical background of each culture and the effects myths have on our modern vocabulary, literature, communications, and popular culture.

**CREATIVE WRITING WITH STYLE (05900)**

Credit: 1/2

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: No

This course allows students to produce purposeful creative writing that organizes and conveys ideas effectively for both formal and informal occasions. Students will write journals, notes, poems, and narrative and descriptive pieces. Students will develop precise stylistic skills, and will formulate writing ideas using various stages of the writing process, especially peer critiquing and revision.

**ENGLISH – JOURNALISM****INTRODUCTION TO JOURNALISM (05910)**

Credit: 1

Grades: 9, 10, 11, 12

Prerequisite: "B" average in the previous core English course

Elective Course

Fee: Yes

This course examines the principles and practices of journalism with emphasis on reporting and writing news, features, interviews, and editing for various mediums including broadcast, newspaper, magazine and yearbook layout and design, and photography. Students will also examine current media trends, ethics, current events and the history of American Journalism and the changing role of the media. This course is a foundational journalism course and a pre-requisite for advanced journalism courses such as Newspaper Journalism, Advanced News Journalism, Yearbook Journalism and Broadcast and Video Production.

**NEWSPAPER JOURNALISM (05920)**

Credit: 1

Elective Course

Grades: 10

Fee: Yes

**Prerequisite:** "B" average in Introduction to Journalism; application required

This co-curricular course focuses on publishing a newsletter or a page in a local newspaper that are distributed to parents and community members with an emphasis on layout, photography, copy writing, design, basic website development and public relations. Sophomore students will utilize skills from Introduction to Journalism course to compose copy, photos and layout in accepted journalistic standards. Students are expected to conduct interviews, take and select quality photographs and synthesize communication standards from previous journalism courses. Sophomore students usually take this course with the intent of enrolling in Advanced Newsmagazine Journalism their junior year.

**ADVANCED NEWSPAPER JOURNALISM (05930)**

Credit: 1

Elective Course

Grades: 11, 12

Fee: Yes

**Prerequisite:** "B" average in Introduction to Journalism; application required

This co-curricular course focuses on the publication of the high school newsmagazine and news website with an emphasis on layout, photography, copy writing, advertising, design, business management and basic website development. Students will utilize skills from Introduction to Journalism course to compose copy, photos, and layout in accepted journalistic standards, along with sell the magazine and ads to maintain this high quality, student-run newsmagazine. Students are expected to conduct interviews, take and select quality photographs and synthesize communication standards from previous journalism courses.

**YEARBOOK JOURNALISM (05940)**

Credit: 1

Elective Course

Grades: 10, 11, 12

Fee: Yes

**Prerequisite:** "B" average in Introduction to Journalism; application required

This co-curricular course focuses on the publication of a high school yearbook, emphasizing layout and design, photography, copy writing, advertising sales and design, and business management. . Students will utilize skills from Introduction to Journalism course to compose copy, photos, and layout in accepted journalistic standards, along with sell business ads for the yearbook. Students are expected to conduct interviews, take and select quality photographs and synthesize communication standards from previous journalism courses. This course will produce the school yearbook utilizing up-to-date design techniques and software in a timely manner.

**BROADCAST AND VIDEO PRODUCTION (05910A)**

Credit: 1

Elective Course

Grades: 10, 11, 12

Fee: Yes

**Prerequisite:** "B" average in Introduction to Journalism; application required

Broadcast and Video Production provides students with a comprehensive practical knowledge of production, awareness of the impact of media and entertainment on the audience, and an understanding of the role of the artist in society. The program teaches students to thoughtfully consider not only how to look through a lens, but also why they should, through a unique emphasis in ethical decision-making in both content creation and business practices. Students in the film and media production concentration have access to digital cameras, lighting and sound equipment and will use advanced reporting techniques, story

development process and tools needed to interview and write, report and edit video news stories that will air on the morning announcements, be entered into various contests and on the news website. Students will be on the air and should feel comfortable public speaking.

## FAMILY AND CONSUMER SCIENCES

### POST-SECONDARY PLANNING/COLLEGE AND CAREERS (23871)

Credit: 1/2 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course is designed to prepare students for college and careers. Students will learn about post-secondary preparation by participating in career assessments, identifying skills and interests, developing a resume, understanding college selection and admission process, ACT/SAT testing, scholarships and financial aid. Representatives from a variety of universities/colleges and career fields will present to this class. Students will create a Career Passport to be used on college, job, and scholarship interviews.

### DESIGN (23880)

Credit: 1/2 (Applied Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This is a course designed for students interested in interior design, architecture, fashion, and related fields. The course will entail an introduction to elements and principles of design, color theory, merchandising, fashion design, and architectural trends. This course is project based.

### FOODS FOR FITNESS (23810)

Credit: 1/2 (Applied Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course is an introduction to nutrition and food preparation. Students will learn through hands on lab experiences and other classroom activities about basic nutrition principles, the effect food has on our wellness, how to prepare meals using fundamental techniques and equipment.

### CULTURAL CUISINE (23890)

Credit: 1/2 (Applied Arts Credit)

Grades: 10, 11, 12

Prerequisite: Foods for Fitness

Elective Course

Fee: Yes

In this course, students will develop greater cultural awareness by learning about people through their food. Students will explore what influences cultures foods supply and food choices, learn about customs and traditions and prepare authentic recipes.

**HUMAN RELATIONSHIPS (23820)**

Credit: 1/2 (Applied Arts Credit)

Grades: 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

Relationships are an inescapable part of everyday life. In this course, students will explore the nature, function, and significance of human relationships. Students will examine a variety of current social issues that today's families and individuals face. Speakers, hands-on activities, and multi-media are just a few of the way's topics will be explored in this course.

**ON YOUR OWN (23840)**

Credit: 1/2 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course is one that every college-bound student should take. Areas to be covered include: living in a dormitory, renting an apartment, preparing simple meals, buying food, doing laundry, consumer decision making skills and budgeting. Real life situations and labs will allow the student to practice decision-making skills necessary for life.

**MENTORSHIP****MENTORSHIP I (23910)**

Credit: 1 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: Application process

Elective Course

Fee: Yes

Be able to answer the dreaded question "What are you going to major in?" This course is designed to assist college-bound students who wish to complete a college-oriented internship in high school. Selection is based on an application process. Mentorship is a semester course that allows the students to gain firsthand experience in a career of their choice. Students complete career assessments, prepare a resume and practice interview skills, among other life-planning activities. Students will be released to participate in a student internship in a field of their choice. Throughout the course students will create a portfolio of their experiences.

**MENTORSHIP II (23920)**

Credit: 1 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: "B-" or better in Mentorship I or Teacher Academy; Application process

Elective Course

Fee: Yes

Students will continue the mentorship experience by participating in two additional internships. Students will be responsible for attending seminar, journaling their experiences, and continuing to develop the Mentorship portfolio.

**TEACHER ACADEMY (23940)**

Credit: 3 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: Application process

Elective Course

Fee: Yes

Note: College credit for Introduction to Education is available.

Courses include the following (1 credit each):

- 23941-Education Principals
- 23942-Communities, Schools, and Stakeholders
- 23943-Foundations of Education

If you are considering education as a college major, this is the course for you. This course follows the Ohio Department of Education curriculum for Introduction to Education. Students will identify skills required for teaching, and understand personal characteristics needed to succeed in the profession. The curriculum will include lesson planning, classroom management, license requirement, history of education, meeting the needs of exceptional learners, and teacher professionalism. Students will explore the teaching profession through a variety of experiences, which may include: field experience, lesson planning, one-to-one tutoring, and project development. Students will create a portfolio, which will include teaching samples that reflect their course work and field placement experiences.

**SERVICE LEARNING****SERVICE LEARNING (23930)**

Credit: 1/2 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: Application process

Elective Course

Fee: Yes

Service Learning is a course designed to provide students the opportunity to experiences hands-on learning through volunteering in the community. Students will identify community and global needs and participate in service opportunities. Students will be released one period to complete 20 hours of service during the semester. College scholarships and applications will be evaluated to identify the importance of service.

**INDUSTRIAL TECHNOLOGY****CAD I (10810)**

Credit: 1/2 (Applied Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course places emphasis on the development of the ability to express ideas graphically through the use of traditional drafting and computer assisted drafting processes and techniques. Areas of study will include but are not limited to: geometric constructions, orthographic projection, pictorial systems, and conventional practices in dimensioning, sectioning and computer-based drafting. The two main themes of this course include establishing skill in drafting and CAD and applying this skill to problem-based situations founded in the architectural and engineering industries. Students will be exposed to various CAD and 3D modeling programs.

**CAD II (ENGINEERING DESIGN AND PROBLEM SOLVING) (10820)**

Credit: 1/2 (Applied Arts Credit)

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: CAD I

This intermediate level course for students interested in engineering continues the themes started in CAD I. Computer assisted drafting and design and traditional drafting skills are reinforced, enhanced, and challenged in this course. A significant portion of the course is dedicated to learning 3-D modeling software and printing models both graphically and if available 3 dimensionally. Students will be given problems in which they must create and revise solutions, make prototypes of designs, and evaluate solutions. The course is designed to expose students to the prototyping process widely used in industry.

**ARCHITECTURAL DRAFTING (10830)**

Credit: 1/2 (Applied Arts Credit)

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: CAD I

This course provides students the opportunity to learn about the principles of architecture and related drafting practices and techniques. Students will design and draw a set of plans for a residential or commercial building. Studies include the creation and utilization of CAD standards as found in architectural firms.

**ENGINEERING I (10840)**

Credit: 1/2 (Applied Arts Credit)

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: None

This is a hands-on exploratory course designed to give students exposure to a variety of technologies associated with engineering. Students work individually and in teams to solve a variety of problems using tools and machines unique to various fields of engineering. Students will reinforce their scientific, mathematical, and communication skills through class activities using the engineering problem solving method. The class is designed to strengthen the development of skills in team cooperation, decision-making, critical thinking, troubleshooting, problem solving and independent learning. A design portfolio will be required by all students. This is an excellent elective for the college bound student.

**ENGINEERING II (10850)**

Credit: 1/2 (Applied Arts Credit)

Elective Course

Grades: 10, 11, 12

Fee: Yes

Prerequisite: Engineering I

This intermediate level course builds on the knowledge and concepts gained in Engineering I. Problem Solving and Design, three-dimensional drafting, team cooperation are reinforced, enhanced and challenged. Students will learn independently and in collaborative engineering teams while solving problems in such area as CAD (computer aided design), transportation, environmental impacts, robotics, manufacturing or construction. The class is designed to strengthen the development of skills in team cooperation, critical thinking, troubleshooting, and problem solving. A design portfolio will be required by all students. This is an excellent elective for the college bound student.



**BASIC WOOD TECHNOLOGY (10910)**

Credit: 1/2 (Applied Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: CAD I

Elective Course

Fee: Yes

This course will provide the opportunity for students to develop knowledge and abilities of the proper and safe use of machinery and tools. Three projects are required. Reading, math, writing, and research are also important. Aspects of the technological world and work habits, as well as therapeutic values are stressed. Upon completion of the course requirements, a quality project worthy of being displayed is required. Emphasis is placed on the development of safe work practices, good working relationships and economical use of time and materials. Laboratory exercises are required on a daily basis and are very important in grading.

**INTERMEDIATE WOOD TECHNOLOGY (10920)**

Credit: 1/2 (Applied Arts Credit)

Grades: 10, 11, 12

Prerequisite: Basic Wood Technology

Elective Course

Fee: Yes

This course will provide students the opportunity to advance their knowledge and ability of the proper and safe use of machinery and tools. Project plans are the responsibility of students to skillfully manufacture quality and unique self-chosen projects. Emphasis is placed on advancing woodworking skills, project design, safe work practices, and the economical use of time and material. Laboratory exercises are required on a daily basis and are very important in grading.

**ADVANCED WOOD TECHNOLOGY (10930)**

Credit: 1 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: Intermediate Wood Technology

Elective Course

Fee: Yes

This course will provide the opportunity for students to develop knowledge and abilities of design and building furniture. Project plans are the responsibility of students to skillfully manufacture quality furniture. Emphasis is placed on design, identifying different styles of furniture, and understanding the steps needed in furniture construction. Laboratory exercises are required on a daily basis and are very important in grading.

**HOME MAINTENANCE (10940)**

Credit: 1/2 (Applied Arts Credit)

Grades: 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course teaches individuals how to do minor repairs on homes, lawn equipment and automobiles. Areas covered include, but are not limited to, plumbing and electrical repair, floor and wall repair, auto and lawn mower maintenance, and some remodeling techniques. Students should be able to use all tools safely, plus gain a practical understanding of how basic materials and tools are used around the home and car.

MATHEMATICS

If you are currently enrolled in:

Suggested placement:

Algebra I	Geometry OR Honors Geometry
Geometry OR Honors Geometry	Intro to Algebra II OR Algebra II OR Honors Algebra II
Algebra II OR Honors Algebra II	Pre-Calculus OR Honors Pre-Calculus OR Electives
Pre-Calculus OR Honors Pre-Calculus OR Electives	Calculus OR AP Calculus OR AP Stats OR Electives

ALGEBRA I (11110)

Credit: 1

Required Course

Grades: 9, 10, 11, 12

Fee: No

Prerequisite: None

This course covers the basic operations with signed numbers and variables, as well as factoring. Equation solving of linear, simultaneous, data analysis and probability, and quadratic equations is presented as well as various graphing techniques.

Problem solving strategies are emphasized.

Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

ALGEBRA I DOUBLE BLOCK (11110DB)

Credit: 1 Math credit and ½ non-Math elective credit (replaces Algebra I requirement)

Elective Course

Grades: 9, 10, 11, 12

Fee: No

Prerequisite: None

This course will meet for two consecutive periods within the school day for the entire school year.

Students should be sure to reserve two periods on their schedule worksheet when selecting this class.

This course covers the basic operations with signed numbers and variables, as well as factoring. Equation solving of linear, simultaneous, and quadratic equations is presented as well as various graphing techniques. Problem solving strategies are emphasized. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

GEOMETRY (11210)

Credit: 1

Required Course

Grades: 9, 10, 11, 12

Fee: No

Prerequisite: Algebra I

This course is the study of geometric figures in 2 and 3-dimensional space. Characteristics of similarity and congruence, the nature of proof, constructions and discovery of relationships are included in the course, as well as data analysis and probability. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

**GEOMETRY DOUBLE BLOCK (11210DB)**

Credit: 1 Math credit and ½ non-Math elective credit (replaces Geometry requirement) Elective Course  
 Grades: 9, 10, 11, 12 Fee: No  
 Prerequisite: Algebra I and teacher recommendation

This course will meet for two consecutive periods within the school day for the entire school year. Students should be sure to reserve two periods on their schedule worksheet when selecting this class. This course is the study of geometric figures in 2 and 3-dimensional space. Inductive and deductive reasoning, the nature of proof, constructions and discovery of relationships are included in the course as well as data analysis and probability. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

**HONORS GEOMETRY (11215)**

Credit: 1 (replaces Geometry requirement) Elective Course  
 Grades: 9, 10, 11, 12 Fee: No  
 Prerequisite: Algebra I and teacher recommendation

The Honors Geometry course covers the curriculum of regular Geometry at an accelerated pace with the addition of rigorous enrichment topics. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

**INTRO TO ALGEBRA II (11320)**

Credit: 1 Elective Course  
 Grades: 9, 10, 11, 12 Fee: No  
 Prerequisite: Geometry

This course reviews the main concepts from Algebra I and Geometry along with basic Algebra II material. Concepts include, but not limited to, basic number operations, solving equations, graphing linear and quadratic equations, factoring, right triangle, trigonometry, and matrices. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

**ALGEBRA II (11310)**

Credit: 1 Required Course  
 Grades: 9, 10, 11, 12 Fee: No  
 Prerequisite: Algebra I, Geometry.

The second course in Algebra is designed to expand the student's initial study of linear and quadratic equations. Practical applications are emphasized throughout. Additional topics include matrices, conic sections, complex numbers and trigonometry. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

**ALGEBRA II DOUBLE BLOCK (11310DB)**

Credit: 1 Math credit and ½ non-Math elective credit (replaces Algebra II requirement) Elective Course  
 Grades: 9, 10, 11, 12 Fee: No  
 Prerequisite: Algebra I, Geometry and Teacher Recommendation

This course will meet for two consecutive periods within the school day for the entire school year. Students should be sure to reserve two periods on their schedule worksheet when selecting this class. The second course in Algebra is designed to expand the student's initial study of linear and quadratic equations. Practical applications are emphasized throughout. Additional topics include matrices, conic

sections, complex numbers and trigonometry. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

HONORS ALGEBRA II (11315)
---------------------------

Credit: 1 (replaces Algebra II)

Elective Course

Grades: 9, 10, 11, 12

Fee: No

Prerequisite: Algebra I, Geometry and Teacher Recommendation

The Honors Algebra II course covers the curriculum of regular Algebra II at an accelerated rigorous pace with the addition of enrichment topics. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

ALGEBRA III (11410)
---------------------

Credit: 1

Elective Course

Grades: 10, 11, 12

Fee: No

Prerequisite: Algebra II with a “C” or “D” and teacher recommendation. Not open to students with an “A” or “B” in Algebra II.

Algebra III is offered as an alternative for those students not yet ready for the abstraction and rigor of Pre-Calculus. Students can expect to review Algebra II topics and extend their knowledge of advanced concepts, including trigonometry, sequences and series, probability and statistics. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

PRE-CALCULUS (11420)
----------------------

Credit: 1

Elective Course

Grades: 9, 10, 11, 12

Fee: No

Prerequisite: Algebra II

This course explores function theory and involves an in-depth study of trigonometry. Emphasis is also placed upon analytical geometry ideas. Related topics such as the nature of graphs, exponential and logarithmic functions, sequences, series, vectors, polar coordinates, parametric, and complex numbers will be covered. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

HONORS PRE-CALCULUS (11425)
-----------------------------

Credit: 1

Elective Course

Grades: 9, 10, 11, 12

Fee: No

Prerequisite: Algebra II

The honors Pre-Calculus course covers the curriculum of regular Pre-Calculus at an accelerated pace with the addition of rigorous enrichment topics. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

DISCRETE MATH (11430)
-----------------------

Credit: 1

Elective Course

Grades: 10, 11, 12

Fee: No

Prerequisite: Algebra II

This course deals with a branch of mathematics involving discrete, as opposed to continuous, domains or data sets. Topics within discrete mathematics may include, but are not limited to, combinatorics, logic,

sets, relations, functions, mathematical induction, graphs, trees, probability, linear algebra and other modern algebra topics. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

CALCULUS (11450)
------------------

Credit: 1	Elective Course
-----------	-----------------

Grades: 10, 11, 12	Fee: No
--------------------	---------

Prerequisite: Pre-Calculus
----------------------------

This course uses a problem-solving approach to the study of limits, derivatives, integrals, and continuity. Applications involve the use of previously learned mathematical concepts as they apply to calculus. This course is not confined to the guidelines outlined in the AP program. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

INTRODUCTION TO STATISTICS (11710)
------------------------------------

Credit: 1/2	Elective Course
-------------	-----------------

Grades: 10, 11, 12	Fee: No
--------------------	---------

Prerequisite: Algebra II
--------------------------

Introduction to Statistics is a one semester course that will expose students to the topic of statistics. While statistics is a mathematics-based course there is a great deal of emphasis throughout the course on communication and interpretation of data. Topics include displaying and describing data, scatter plots, regressions, samples and experiments.

ADVANCED PLACEMENT CALCULUS AB (11510)
--

Credit: 1	Elective Course
-----------	-----------------

Grades: 10, 11, 12	Fee: Yes
--------------------	----------

Prerequisite: Pre-Calculus
----------------------------

The AP Calculus course is designed to be the equivalent of a college introductory calculus course. Students will be expected to take the AP Calculus exam in May. Depending on the score achieved on the test, students may be granted college credit or allowed to enroll in upper-level courses as college freshmen. The primary areas of study are differential and integral calculus, which include derivatives, integrals, limits and continuity. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

ADVANCED PLACEMENT CALCULUS BC (11520)
--

Credit: 1	Elective Course
-----------	-----------------

Grades: 11, 12	Fee: Yes
----------------	----------

Prerequisite: AP Calculus AB
------------------------------

The AP Calculus BC course is designed to qualify students for placement and credit in a course that is one course beyond that granted for Calculus AB. Students will be expected to take the AP Calculus BC exam in May. Depending on the score achieved on the test, students may be granted college credit or allowed to enroll in upper-level courses as college freshmen. Calculus BC builds on the concepts from Calculus AB. Additional topics include the following; analysis of planar curves given in parametric form, polar form and vector form, Euler's Method, Hospital's Rule, improper integrals, series of constants and Taylor series. Graphing calculator required; TI-83+ or TI-84+ calculator recommended.

**ADVANCED PLACEMENT STATISTICS (11530)**

Credit: 1

Grades: 10, 11, 12

Elective Course

Fee: Yes

Prerequisite: Pre-Calculus; concurrently taking Pre-Calculus or Senior Status

The AP Statistics course is designed to be the equivalent of a college introductory statistics course. Students will be expected to take the AP Statistics exam in May. Depending on the score achieved on the test, students may be granted college credit or allowed to enroll in upper-level courses as college freshmen. Four major themes of statistics will be covered as outlined by the College Board. They are: 1. exploratory analysis of data using graphical and numerical techniques to study patterns and deviations from patterns. 2. Planning a study to clarify the question, 3. Decide upon a method of data collection and analysis, 4. Probability and statistical inference. Graphing calculator required; TI-83+ or TI84+ calculator recommended.

**MATHEMATICS – COMPUTER SCIENCE****INTRODUCTION TO COMPUTER SCIENCE (11810)**

Credit: 1/2

Grades: 9, 10, 11, 12

Elective Course

Fee: No

Prerequisite: "C-" or better in Geometry. Concurrent enrollment with Geometry permitted

This course is an introduction to computer science and programming using a sequential and object-oriented approach. Languages investigated may include Basic++, and Java.

**ADVANCED PLACEMENT COMPUTER SCIENCE A (11540)**

Credit: 1

Grades: 10, 11, 12

Elective Course

Fee: Yes

Prerequisite: "B-" or better in Introduction to Computer Science or teacher recommendation

The AP Computer Science course is designed to be the equivalent of a college introductory computer science course. Students will be expected to take the AP Computer Science A in May. Depending on the score achieved on the test, students may be granted college credit or allowed to enroll in upper-level courses as college freshmen. Java programming language will be used. Emphasis is on object-oriented program methodology with a concentration on problem solving and algorithmic development. It also includes the study of data structures, design and abstraction.

**ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (11550)**

Credit: 1

Grades: 10, 11, 12

Elective Course

Fee: Yes

Prerequisite: Introduction to Computer Science or teacher recommendation

AP Computer Science Principles is an introductory college-level computing course. Students will be expected to take the AP Computer Science Principles exam in May. Depending on the score achieved on the test, students may be granted college credit or allowed to enroll in upper-level courses as college freshmen. Students will cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

PERFORMING ARTS – BAND**CONCERT/MARCHING BAND (12810)**

Credit: 1 (Fine Arts Credit)

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: Previous membership or permission of director

This course builds on previous years' experience in rhythm, counting, improving tone quality, expression, various articulations, and increasing musical vocabulary. Attendance at out of class rehearsals and performances, marching or concert, is viewed as the extension of the classroom and is required.

Marching band component: from June to November, this group will be in marching band mode. Attendance at football games, parades, or marching contests is the main requirement for this course (exceptions are to be determined by the director). Marching rehearsals begin in the summer (to be determined by each high school's individual staff). **Marching band is a component of the total band experience, not a separate one.**

**BAND AUXILIARY-FLAG CORPS (12811)**

Credit: 1/2 (Fine Arts Credit)

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: Audition required

From June to November, this group will be in marching band mode. Attendance at football games, parades, or marching contests is the main requirement for this course. Marching rehearsals begin in the summer (to be determined by each high school's individual staff).

**JAZZ BAND (12820)**

Credit: 1 (Fine Arts Credit)

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: Audition required

This group will work on music characteristics of the jazz idiom. They will perform at various community functions as well as school concerts. Enrollment is limited due to specific instrumentation. Mandatory performances outside of the school day are required.

PERFORMING ARTS – CHOIR**BASS CHORUS (12910)**

Credit: 1 (Fine Arts Credit)

Elective Course

Grades: 9, 10, 11, 12

Fee: Yes

Prerequisite: None

Students involved in the choir will enjoy a yearlong opportunity to perform a wide range of choral literature as an ensemble in class and in public performances. The purpose of the choir is to promote proper use of the singing voice, to develop blend and balance required for the ensemble, and to develop skills in sight-reading, music theory, and interpretation. Mandatory performances and rehearsals outside of the school day are required.

**TREBLE CHORUS (12920)**

Credit: 1 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

Students involved in choir will enjoy a yearlong opportunity to perform a wide range of choral literature as an ensemble in class as well as public performances. The purpose of this choir is to promote proper use of the singing voice, to develop blend and balance required for the ensemble, and to develop skills in sight-reading, music theory, and interpretation. Mandatory performances and rehearsals outside of the school day are required.

**ENSEMBLE CHOIR (12960)**

Credit: 1 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: **Audition or director's permission**

Corequisite: Students must enroll in another vocal ensemble other than Show Choir

Elective Course

Fee: Yes

This group is a supplement to the training offered in other vocal ensembles and enrollment in another choir is required. Students who elect to join this group perform popular genres of music. Mandatory performances and rehearsals outside of the school day are required.

**ADVANCED SELECT CHOIR (12930)**

Credit: 1 (Fine Arts Credit)

Grades: 10, 11, 12

Prerequisite: One year of high school choir and audition or **director's permission**

Elective Course

Fee: Yes

This select vocal group works for the highest standards of achievement in vocal sound and performance. Class experiences include sight singing, music theory and in-depth vocal training. Mandatory performances outside the school day will include concerts, community appearances and OMEA large group contests. There will be mandatory rehearsals outside of the school day. This is the most select ensemble and requires a serious musical commitment.

**CONCERT CHOIR (12940)**

Credit: 1 (Fine Arts Credit)

Grades: 10, 11, 12

Prerequisite: One year of high school choir and audition or permission of director

Elective Course

Fee: Yes

This choir will continue the development of concepts begun in Women's/Men's chorus. Students will work on vocal production and music reading skills. Mandatory rehearsals and performances outside of the school day are required. This choir will participate in OMEA large group contests and concerts.

**SHOW CHOIR (12950)**

Credit: 1 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: Audition

Co requisite: Students must enroll in another vocal ensemble (see Director for details)

Elective Course

Fee: Yes

Since this group is a supplement to the training offered in other vocal ensembles, enrollment in another choir is required. Students who elect to join this group perform popular genre of music which may be combined with choreography or staging. Mandatory performances and rehearsals outside of the school day are required. PERFORMING ARTS – MUSIC



**MUSIC APPRECIATION (12850)**

Credit: 1/2 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: No

Music Appreciation is for the student who is interested in the history and inner workings of western and non-western music, as well as a better understanding of the global community and its cultures. Material covered includes: composers, time periods, genres, cultures, etc.

**MUSIC THEORY (12870)**

Credit: 1/2 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

Music Theory is for the student who wants to learn the basic workings of music. Students will be writing music by the end of the course. This is a detailed study of music and the student should have some background in traditional music training.

**AP MUSIC THEORY (12510)**

Credit: 1 (Fine Arts Credit)

Grades: 11, 12

Prerequisite: "B- "or better in Music Theory or permission of director.

Elective Course

Fee: Yes

This college-level music course follows syllabus established by the College Board. Topics covered include basics of all composition; including harmony, melody, rhythm, musical form and analysis, sight singing, and ear training. Concepts covered in this course are equivalent to the study completed by college freshmen music majors. Recommended for only serious music students.

**PERFORMING ARTS – THEATER****INTRO TO THEATRE (05990)**

Credit: 1/2 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course is designed for the beginning theatre student interested in an introduction to theatre, acting, and technical production. Topics include beginning acting technique, an introduction to technical theatre, and world theatre history. The course will also address theatre safety, careers in theatre, as well as theatre etiquette and appreciation. Students will read and analyze dramatic writing, and are required to attend a performance of a school theatre production.

**ACTING (05950)**

Credit: 1/2 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: Intro to Theatre

Elective Course

Fee: Yes

An active exploration of movement, vocal performance, and improvisation through performances of monologues and scene work. Students will learn to play dramatic action honestly and believably, using contemporary and classical texts. Course work includes exercises and improvisations exploring awareness, relaxation, observation, the senses, voice, and physical and emotional life.

**STAGECRAFT (05970)**

Credit: 1/2 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: Intro to Theatre

Elective Course

Fee: Yes

A project-based course exploring lighting, sound, set construction, costuming, make-up, and properties through hands-on, real-life skills. Students will study the “behind-the-scenes” work and the importance of technical theatre in a production, as well as implement their skills in hands-on projects.

**THEATRE SEMINAR (05991)**

Credit: 1/2 (Fine Arts Credit)

Grades: 10, 11, 12

Prerequisite: Intro to Theatre

Elective Course

Fee: Yes

In-depth and advanced areas of theatre studies, such as Musical Theatre, Directing, Costuming and Make-up, Dramatic Literature, and Black, Indigenous, and Peoples of Color (BIPoC) Theatre Studies. The annual offerings are based on student interest and needs. Students will critically inquire into dramatic and technical processes, and/or societal or cultural contexts and theories, deepening their understanding of theatre as a whole and their personal work.

**PERFORMANCE ENSEMBLE (12860)**

Credit: 1/2 (Fine Arts Credit)

Grades: 10, 11, 12

Prerequisite: Acting or Stagecraft; or, Co-requisite: Acting or Stagecraft; and, Application/Audition

Elective Course

Fee: Yes

Advanced theatre students will refine their craft in Acting or Stagecraft collaboratively by producing or devising a play, musical, or scenes for an audience. This course challenges students in organizing and developing drama processes while deepening their understanding of what goes into producing a show with minimal rehearsals outside of class. It is ideal for students working on individual skills in leadership, design, and character through a shared creative performance in front of an audience. Some dress rehearsals and performances are required outside of the class time.

**PERFORMING ARTS – ORCHESTRA****ORCHESTRA (12830)**

Credit: 1 (Fine Arts Credit)

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

Emphasis will be placed on improving technical skills, musicianship, ensemble training and interpretive and group performance skills. Musical literature is varied and includes all styles from Baroque to Contemporary. Attendance at out of class rehearsals and performances are viewed as an extension of the classroom and are required. If sufficient numbers warrant it, auditions will be used to determine placement in one orchestra or multiple orchestras.

PHYSICAL EDUCATION / HEALTH**PHYSICAL EDUCATION/DUAL/INDIVIDUAL ACTIVITIES AND FITNESS (08110AB)**

Credit: 1/4

Grades: 9, 10

Prerequisite: None

Required Course

Fee: Yes

This class is a combination of dual/individual activities with a fitness component. The activities will focus on teaching the etiquette, technique and skills related to the sports highlighted during the quarter. These activities may include (but not limited to) badminton, disc golf, fencing, fishing, table tennis, golf, juggling and tennis. During the fitness part of the class students will participate in the five fitness components while they learn to design, incorporate and live a healthy and active life. Activities may include (but are not limited to) weight training, jogging, circuit training, Tae-bo and Pilates.

**PHYSICAL EDUCATION/TEAM ACTIVITIES AND FITNESS (08110AC)**

Credit: 1/4

Grades: 9, 10

Prerequisite: None

Required Course

Fee: Yes

This class will blend team activities with a fitness component. Students who select this class will participate in large and small team activities. These activities include, but are not limited to softball, volleyball, floor hockey, ultimate Frisbee, soccer, basketball, touch football, group games and team handball. During the fitness part of the class students will participate in the five fitness components while they learn to design, incorporate and live a healthy and active life. Activities may include (but are not limited to) weight training, jogging, circuit training, tae-bo and Pilates.

**PHYSICAL EDUCATION/ACTIVITIES AND FITNESS (08110BC)**

Credit: 1/4

Grades: 9, 10

Prerequisite: None

Required Course

Fee: Yes

This class targets the fitness component of physical education, along with an activity focus. During the fitness part of the class, students will participate in the five fitness components as they learn to design, and make healthy lifestyle choices as a part of an active life. Activities may include, but are not limited to: weight training, walking, jogging, circuit training, taebo, yoga and Pilates. During the activities part of the class, students will focus on the etiquette, technique and skills related to sports. The activities may include, but are not limited to: golf, bowling, Frisbee.

**LIFETIME FITNESS I (08110D)**

Credit: 1/4

Grades: 09, 10, 11, 12

Prerequisite: All Classes Will Meet Off-Campus

Elective Course

Fee: Yes

Students may enroll in Lifetime Fitness I to fulfill their high school requirement. Lifetime Fitness I will introduce students to a variety of physical activities. Classes will meet throughout the semester. The schedule and course requirements may be obtained from the school counselor. ATTENDANCE OF ALL CLASSES IS MANDATORY.

**LIFETIME FITNESS II (08110E)**

Credit: 1/4

Grades: 09, 10, 11, 12

Prerequisite: All Classes Will Meet Off-Campus

Elective Course

Fee: Yes

Students may enroll in Lifetime Fitness II to fulfill their high school requirement. Lifetime Fitness II will introduce students to a variety of physical activities. Classes will meet throughout the semester. The schedule and course requirements may be obtained from the school counselor. ATTENDANCE OF ALL CLASSES IS MANDATORY.

**ONLINE PHYSICAL EDUCATION I (08110W)**

Credit: 1/4 (This course satisfies the PE requirement for graduation.)

Grades: 9, 10, 11, 12

Prerequisite: Teacher recommendation

Elective Course

Fee: No

This class will require hours in team, individual, due and fitness related activities. Students will complete weekly activity logs, research and compare fitness facilities, complete a muscle stretch project, accumulate data and do a personal fitness goal project as well as perform a dance routine along with other pertinent physical fitness components. Students must take state mandated fitness tests in pushups, sit ups, flexibility and mile run areas. A written final is also included. This course is run through Schoology.

**ONLINE PHYSICAL EDUCATION II (08120W)**

Credit: 1/4 (This course satisfies online course requirement.)

Grades: 9, 10, 11, 12

Elective Course

Fee: No

This class will require participation hours in team, individual, and fitness related activities. Students will complete a weekly activity log to meet the 60hrs of physical activity and fitness requirement. Students will also be responsible for keeping a nutrition log, creating a video that will demonstrate a variety of motor skills and movement patterns, research a Team Sport and Individual/Dual Sport to demonstrate knowledge of rules and strategies, observe and evaluate a sporting practice and an event to demonstrate knowledge of responsible behavior, and use technology to create a Blog or Discussion board identifying the benefits of physical activity. Students must also take the state mandated fitness tests and complete a written final. This course will be run through Schoology.

**HEALTH (08210)**

Credit: 1/2

Grades: 9, 10

Prerequisite: None

Note: This course may be offered online.

Required Course

Fee: Yes

Topics to be covered: mental health, including personality, emotions, and mental illness; the nature of disease; body systems, substance abuse, including tobacco, alcohol and drugs; physical fitness and nutrition; human sexuality and reproduction; first aid and CPR, along with making healthy choices and current health issues.

**CONDITIONING & WEIGHT TRAINING (08810)**

Credit: 1/4

Grades: 9, 10, 11, 12 (This course does not fulfill the PE requirement for graduation.)

Prerequisite: None

Elective Course

Fee: Yes

This course includes conditioning, weight lifting and body coordination activities. Students may take this course for more than one semester.

**PHYSICAL EDUCATION ELECTIVE (08820)**

Credit: 1/4 (This course does not fulfill the PE requirement for graduation.)

Grades: 10, 11, 12

Prerequisite: Teacher recommendation

Elective Course

Fee: No

This course is open to anyone who has completed his or her physical education requirements. Students will be given a choice for activity selection from the course of study. The class meets five days a week and is for one semester.

**SCIENCE**

If you are currently enrolled in:

Suggested placement:

Physical Science OR Honors Physical Science	Biology OR Honors Biology OR AP Biology
Biology OR Honors Biology OR AP Biology	Chemistry OR Honors Chemistry OR AP Chemistry OR Earth & Space OR Forensics & Genetics
Chemistry OR Honors Chemistry OR AP Chemistry OR Earth & Space	Physics OR Anatomy & Physiology OR AP Physics OR AP Environmental

**PHYSICAL SCIENCE (13110)**

Credit: 1

Grades: 9

Prerequisite: None

Required Course

Fee: Yes

The content of this course includes an introduction to physics (electricity, motion, forces, energy and basic astronomy) and to chemistry (properties and interaction of matter). Laboratory activities will introduce, support and apply concepts.

**HONORS PHYSICAL SCIENCE (13115)**

Credit: 1 (replaces Physical Science requirement)

Grades: 9

Prerequisite: "A-" or higher in previous science course. Teacher recommendation

Required Course

Fee: Yes

The content of this course includes an introduction to physics (motion, forces, and energy) and to chemistry (properties and interaction of matter). It is recommended for the student with a strong background and/or interest in science concepts and careers, especially those related to physics and chemistry. Laboratory activities will introduce, support and apply concepts. The Honors curriculum will challenge the student to acquire knowledge independently, to master abstract concepts, and apply content to new situations. An independent project may be required outside class each quarter.

**BIOLOGY (13210)**

Credit: 1

Grades: 10, 11, 12

Prerequisite: None

Required Course

Fee: Yes

Note: Course may be offered in an online or hybrid format.

The content of this course will include the study of biochemistry, the cell, cellular processes, genetics, evolution, and ecology. Lab activities will introduce, support, and apply concepts.

**HONORS BIOLOGY (13215)**

Credit: 1 (replaces Biology requirement)

Grades: 10, 11, 12

Prerequisite: "A-" or above in Physical Science "B" or above in Honors Physical Science. Teacher recommendation

Note: Honors Chemistry may be taken concurrently with teacher recommendation.

Required Course

Fee: Yes

The content of this course will include the study of biochemistry, the cell, cellular processes, genetics, evolution and ecology. Lab activities will introduce, support, and apply concepts. The Honors curriculum will challenge the student to master abstract concepts, and apply content to new situations. This course is strongly recommended for students planning to take AP Biology.

**CHEMISTRY (13310)**

Credit: 1

Grades: 10, 11, 12

Prerequisite: "C" or above in the previous science course

Corequisite: Concurrent enrollment in Algebra II or higher

Elective Course

Fee: Yes

The content of this course will include the study of chemical reactions and the structure and properties of matter. This course will briefly review and expand on concepts of atomic structure and chemical relations introduced in the freshman Physical Science course. Lab activities will introduce, support, and apply concepts.

**HONORS CHEMISTRY (13315)**

Credit: 1

Grades: 10, 11, 12

Prerequisite: "A-" or better in Biology "B" or better in Honors Biology. Teacher recommendation required.

Corequisite: Concurrent enrollment in Algebra II or higher.

Elective Course

Fee: Yes

Note: Honors Biology may be taken concurrently with teacher recommendation.

The content of this course will include the study of chemical reactions and the structure and properties of matter. Lab activities will introduce, support, and apply concepts. The Honors curriculum will challenge the student to acquire knowledge independently, to master abstract concepts, and apply content to new situations. This course is strongly suggested as supportive curriculum to Advanced Placement Chemistry.

**CONCEPTUAL PHYSICS (13413)**

Credit: 1

Grades: 11, 12

Prerequisite: none

Corequisite: Concurrent enrollment in Algebra II or higher.

Elective Course

Fee: Yes

The content of this course will include the study of forces and motion, energy transformations, electricity and magnetism, and waves. Laboratory activities will introduce, support, and apply concepts. This course will reduce the mathematical applications of physics, and emphasize the practical applications of physics to everyday situations.

**PHYSICS (13410)**

Credit: 1

Grades: 11, 12

Prerequisite: "B-" or better in previous science course

Corequisite: Concurrent enrollment in Precalculus or higher

Elective Course

Fee: Yes

The content of this course will include the study of forces and motion, energy transformations, electricity and magnetism, and waves. Laboratory activities will introduce, support and apply concepts.

**ANATOMY AND PHYSIOLOGY (13810)**

Credit: 1

Grades: 11, 12

Prerequisite: Biology, Chemistry (or concurrent enrollment), at least a "B" in the previous science course

Elective Course

Fee: Yes

The content of this course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body systems, their functions and homeostasis. This course is especially recommended to students wishing to continue their education in the health and medical fields. It will be taught with the rigor and detail of a college entry level science course. Upon completion, students will be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their relationships. A portion of the year will be spent on laboratory work including the dissection of cats, physiologic experiments, computer simulations, and multimedia presentations.

**EARTH AND SPACE SCIENCES (13820)**

Credit: 1

Grades: 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

The content of this course will include the study of geology (focusing on minerals, rocks, and processes that change and shape the Earth), meteorology (focusing on atmospheric processes), oceanography (focusing on processes that contribute to the Earth's climate), and astronomy (focusing on galaxy formation, star formation, planetary processes, and space exploration). **Lab activities will introduce, support, and apply concepts.**

**FORENSICS AND GENETICS (13830)**

Credit: 1

Grades: 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

The content of this course includes forensics science, genetics and heredity. Forensics topics may include: crime scene analysis (analyzing hair, fibers, textiles, fingerprints, blood, & DNA), forensic toxicology

(toxicology techniques, analyzing drug & alcohol evidence), forensic anthropology, ballistics analysis, and psychological profiling. Genetics topics may include: **Mendel's** work and the cell cycle, inheritance patterns, structure and function of DNA, bioethics & biotechnology, genetic counseling, and the Human Genome Project. Laboratory activities will introduce, support and apply concepts.

ADVANCED PLACEMENT BIOLOGY (13510)
------------------------------------

Credit: 1

Elective Course

Grades: 10, 11, 12

Fee: Yes

Prerequisite: "B" or better in Honors Biology or Honors Chemistry," A-" or better in Biology or Chemistry.

Teacher recommendation

Corequisite: Concurrent enrollment in Chemistry, if not already completed.

This college-level biology course follows the syllabus established by the College Board. Students will examine, at an advanced level, cell structure and processes, molecular genetics, biological diversity, and ecological concepts. Extensive reading assignments and intensive labs will be an essential part of this course. This course will meet seven periods each week. A summer assignment may be given, AP Exam fee required, Activity manual/workbook may be required at an additional fee.

ADVANCED PLACEMENT CHEMISTRY (13520)
--------------------------------------

Credit: 1

Elective Course

Grades: 11, 12

Fee: Yes

Prerequisite: "B" or better in Honors Chemistry or "A-" or better in Chemistry, and Algebra II.

Teacher Recommendation

This college-level chemistry course follows the syllabus established by the College Board. Students will examine, at an advanced level, atomic and molecular structure, stoichiometry, properties of matter, chemical equilibrium, thermodynamics, chemical kinetics, and electrochemistry. Extensive reading assignments and intensive labs will be an essential part of this course. This course will meet seven periods each week. A summer assignment may be given, AP Exam fee required, Activity manual/workbook fee may be required at an additional fee.

ADVANCED PLACEMENT PHYSICS 1 (13550)
--------------------------------------

Credit: 1

Elective Course

Grades: 11, 12

Fee: Yes

Prerequisite: "A" or "B" in previous science course

Corequisite: Concurrent enrollment in precalculus or higher

This college-level physics course follows the syllabus established by the College Board. The course covers the following areas: kinematics, Newton's laws of motion, circular motion, universal law of gravitation, simple harmonic motion, impulse and momentum, conservation of energy, rotational kinematics, rotational dynamics, conservation of angular momentum, electrostatics, DC circuits, waves and sound. The course utilizes guided inquiry and student-centered learning to foster the development of critical thinking skills. This course is algebra based and does not require the use of calculus. Students spend a minimum of 25% of instructional time engaged in laboratory work. A hands-on laboratory component is required. Each student will complete a lab notebook or portfolio of lab reports. This course meets seven periods each week. A summer assignment may be given, AP Exam fee required, workbook fee may be required at an additional fee.



**ADVANCED PLACEMENT PHYSICS C: MECHANICS (13530H)**

Credit: 1

Grades: 11, 12

Elective Course

Fee: Yes

Prerequisite: "A" or "B" in previous science course

Corequisite: Concurrent enrollment in calculus or teacher recommendation

This college-level physics course follows the syllabus established by the College Board. The course covers Newtonian Mechanics in depth and provides instruction in each of the following areas; kinematics, **Newton's laws of motion, work, energy, and power, systems of particles and linear momentum, circular motion and rotation, oscillations and gravitation.** The course utilizes guided inquiry and student-centered learning to foster the development of critical thinking skills. Introductory differential and integral calculus is used throughout the course. The course includes a laboratory component comparable to a semester-long, college-level physics laboratory. Students spend a minimum of 20% of instructional time engaged in laboratory work. A hands-on laboratory component is required. Each student will complete a lab notebook or portfolio of lab reports. This course meets seven periods each week. A summer assignment may be given, AP Exam fee required, Activity manual/workbook fee may be required at an additional fee.

**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (13540)**

Credit: 1

Grades: 11, 12

Elective Course

Fee: Yes

Prerequisite: "B-" or better in previous science course; Chemistry or concurrent enrollment

This college-level environmental science course follows the syllabus established by the College Board. Environmental Science is interdisciplinary. It embraces a wide variety of topics from different areas of study such as Earth systems and resources, the living world, population, land and water use, energy resources and consumption, pollution, and global change. Extensive reading assignments and intensive labs will be an essential part of this course. A summer assignment may be given, AP Exam fee required, and an Activity manual/workbook fee may be required at an additional fee.

**SOCIAL STUDIES**

If you are currently enrolled in:

Suggested placement:

World History OR Honors World History	US History OR Honors US History OR A.P. US History
US History OR Honors US History OR A.P. US History	Economics OR A.P. Economics OR U.S. Government OR A.P. U.S. Government

**WORLD HISTORY 1750-PRESENT (15210)**

Credit: 1

Grades: 9

Required Course

Fee: No

Prerequisite: None

This course provides a survey of World History with special emphasis on geographic settings, cultural perspectives, economics systems, and various forms of government within Europe, Asia, Africa, and the Americas. The students will analyze these eras and specific events such as the Enlightenment, American & French Revolutions, Industrialization, Imperialism, Nationalism, the Rise of Communism, the two World Wars, the Cold War, Decolonization and Global Issues of today. Historical review and research through analysis of primary source documents will be integral parts of the course. The instruction of this curriculum may be delivered via an accelerated Interdisciplinary approach, a humanities perspective or a

departmentalized format. Each will incorporate various forms of enrichment depending on the strengths associated with each instructor and building.

HONORS WORLD HISTORY 1750-PRESENT (15215)
---

Credit: 1

Required Course

Grades: 9

Fee: No

Prerequisite: A or B in Social Studies and ELA

The Honors World History course includes the curriculum of standard World History delivered with additional depth and rigor. There is an emphasis on reading, analysis and writing in the content area.

U.S. HISTORY 1877-PRESENT (15220)
-----------------------------------

Credit: 1

Required Course

Grades: 9

Fee: No

Prerequisite: None

This course provides a chronological survey of the United States History (1877-Present) with emphasis on domestic affairs. As students study historic eras, they will consider the geographic, cultural, economic and political changes that have occurred in the United States during this time period. Students will develop a deeper understanding of their role as citizens while continuing to expand their social studies skills. The same curriculum may be delivered via an accelerated interdisciplinary approach, a Humanities perspective or a departmentalized format. Each will incorporate various forms of enrichment depending on the strengths associated with each instructor and building.

HONORS U.S. HISTORY 1877-PRESENT (15225)
--

Credit: 1

Required Course

Grades: 10

Fee: No

Prerequisite: None

The Honors U.S. History course includes the curriculum of standard U.S. History delivered with additional depth and rigor. There is an emphasis on reading, analysis and writing in the content area.

ECONOMICS (15850)
-------------------

Credit: 1/2

Required Course

Grades: 11,12

Fee: No

Prerequisite: None

This course is designed to cover both microeconomics and macroeconomics. Students will learn to use economic reasoning skills and knowledge of major economics concepts, issues and systems in order to make informed choices as producers, consumers, savers, investors, workers and citizens in an independent world. At the microeconomic level, emphasis will be placed on the principles of economics, the forces of supply and demand, and economics in the public sector. At the macroeconomic level, emphasis will be placed on measuring and improving economic performance, and analyzing the effects of international trade on the global economy.

U.S. GOVERNMENT (15410)
-------------------------

Credit: 1/2

Grades: 11,12

Prerequisite: None

Required Course

Fee: No

This course provides a survey of the Federal Government and its role in American society. It will emphasize the foundations of government, democratic principles, political change, and individual rights. Students will examine the influence and impact of the institutions of government including the Executive, Legislative, and Judicial Branches. The study of the Constitution and Bill of Rights will include concepts such as the separation of powers, federalism, checks & balances, civil liberties and civil rights.

ADVANCED PLACEMENT U.S. GOVERNMENT/POLITICS (15510)
---

Credit: 1

Grades: 11,12

Prerequisite: "B" or better in US History and "B" or better in CP English 11

Elective Course

Fee: Yes

The AP American Government/Politics course is designed to be the equivalent of a college introductory government course usually taken in the first year of college. Students will be expected to take the AP exam in May. Depending on the score achieved on this test, students may be granted college credit or allowed to enroll in upper-level courses as a freshman in college. The course is designed to provide an analytical perspective of government and politics including the various institutions, groups, beliefs and ideas that constitute U.S. politics. Students will examine the influence and impact of historical documents such as the Constitution and Bill of Rights on the evolving institutions and political influence on government. The impact of historical events will be examined in relationship with the changes of civil rights, civil liberties interest groups and political party organizations. Historical and contemporary issues will be explored through a variety of readings, exercises, and perspectives. The course demands extensive reading and strong writing skills. (A summer reading assignment may be required.)

ADVANCED PLACEMENT U.S. HISTORY (15520)
---

Credit: 1

Grades: 10, 11

Prerequisite: "B" or better in World Studies or US History and "B" or better in CP English 9 or 10

Elective Course

Fee: Yes

This AP course is designed to be the equivalent of a college introductory course usually taken in the first year of college. Students will be expected to take the AP Exam in May. Depending on the score achieved on this test, students may be granted college credit or allowed to enroll in upper-level courses as a freshman in college. Students will examine and assess historical perspectives utilizing primary sources and various readings. The course entails an analysis and evaluation of historical events in the development of the U.S. as a world power. Important eras covered will include Colonial America, Expansionism, the Great Awakening, the Civil War, Industrialism, Progressivism, the World Wars, the Great Depression, the Cold War, the Turbulent 1960's and the political and economic influences of the late 20<sup>th</sup> century. This course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons clearly and persuasively in an essay format. (A summer reading assignment may be required.)

**ADVANCED PLACEMENT EUROPEAN HISTORY - 1450 TO 2002 (15530)**

Credit: 1

Elective Course

Grades: 11,12

Fee: Yes

**Prerequisite:** "B" or better in current CP English and in current social studies.

The AP European History course is designed to be the equivalent of a college introductory history course usually taken in the first year of college. Students will be expected to take the AP European History exam in May. Depending on the score achieved on this test, students may be granted college credit or allowed to enroll in upper-level courses as a freshman in college. The study of European history since 1450 introduces students to the cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Students will examine the development of contemporary institutions, the role of continuity and change in present day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. (A summer reading assignment may be required.)

**ADVANCED PLACEMENT MACRO ECONOMICS/MICRO ECONOMICS (15540 / 15550)**

Credit: 1

Elective Course

Grades: 11,12

Fee: Yes

**Prerequisite:** "B" or better in current CP English and in current social studies course, and Algebra II.**Note:** Fee Required for 2 Separate AP Tests (Macro/Micro)

This AP course is designed to be the equivalent of a college introductory course usually taken in the first year of college. Students will be expected to take both AP Micro Economics and AP Macro Economics Exams in May. Depending on the score achieved on this test, students may be granted college credit or allowed to enroll in upper-level courses as a freshman in college. The purpose of the Microeconomics course is to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the country. Microeconomics will be taught during the first semester of the course. The Macroeconomics course is designed to provide a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price determination, and also develops familiarity with economic performance measures, economic growth, and international economics. The Macroeconomics course is taught during the second semester of the course. (A summer reading assignment may be required.)

**ADVANCED PLACEMENT PSYCHOLOGY (15560)**

Credit: 1

Elective Course

Grades: 11,12

Fee: Yes

**Prerequisite:** "B" or better in current CP English and in current social studies course. "B" or better in Interdisciplinary Studies strongly recommended.

The AP Psychology course is designed to be the equivalent of a college introductory Psychology course usually taken in the first year of college. Students will be expected to take the AP Psychology exam in May. Depending on the score achieved on this test, students may be granted college credit or allowed to enroll in upper-level courses as a freshman in college. This course will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of

the major subfields within psychology. Students will also explore the methodology utilized by psychologists in their science and practice. (A summer reading assignment may be required.).

ADVANCED PLACEMENT WORLD HISTORY (15570)
--

Credit: 1	Elective Course
-----------	-----------------

Grades: 11,12	Fee: Yes
---------------	----------

Prerequisite: "B" or better in World Studies or US History and "B" or better in CP English 9 or 10
--

This course offers an extensive study of World History covering the time span 8000 BCE to the present, beginning with the Neolithic Revolution and following the course of world history through modern day. It provides equal coverage of all areas of the world, including Asia, Africa, the Middle East, Europe, and the Americas, focusing on changes and continuities in the historical process as well as providing a global analysis of why these change and continuities occurred. Students will analyze course content through the use of primary and secondary source documents, as well as construct three essays which are specific to the course content. AP World History is designed to be the equivalent of a college introductory course usually taken in the first year of college. Students will be expected to take the AP Exam in May. Depending on the score achieved on this test, students may be granted college credit or allowed to enroll in upper-level courses as a freshman in college.

CIVIL AND CRIMINAL LAW (15810)
--------------------------------

Credit: 1/2	Elective Course
-------------	-----------------

Grades: 11,12	Fee: No
---------------	---------

Prerequisite: None
--------------------

This elective course will provide an overview of the American Legal System and its practical applications in today's society. There will be an analysis of the foundations of Constitutional Law and the Criminal Justice System with an emphasis on both Civil and Criminal Law. Students will examine the Bill of Rights and its influence on the political and social structure of American Society. Landmark Supreme Court cases will provide an opportunity for students to interpret and analyze the application of Constitutional law in contemporary society.

PSYCHOLOGY (15820)
--------------------

Credit: 1/2	Elective Course
-------------	-----------------

Grades: 11,12	Fee: No
---------------	---------

Prerequisite: None
--------------------

This elective course will compare the influence of prominent theorists in the analysis of both normal and abnormal behavior. The students will explore the concepts of learning, memory, motivation, perception, and consciousness. There will also be an in-depth analysis of the age and developmental states of the personality combined with various research components used in study of human behavior.

SOCIOLOGY (15830)
-------------------

Credit: 1/2	Elective Course
-------------	-----------------

Grades: 11,12	Fee: No
---------------	---------

Prerequisite: None
--------------------

Note: This course will be offered online or hybrid format.
--

This elective course will explore societal structure and cultural influences on human behavior. Students will analyze the changing roles of groups, relationships, institutional influence, and prejudice in an ever-evolving society. There will be a comparison of group and individual influence on culture, family, and institutions that from the fabric of today's and tomorrow's society.

## WORLD RELIGIONS (15840)

Credit: 1/2

Grades: 11,12

Prerequisite: None

Elective Course

Fee: No

This elective course will explore both Western and non-Western Religions. There will be a historical examination of the origins, practices and influences of Buddhism, Christianity, Hinduism, Islam, Judaism, and other Traditional Beliefs. Students will analyze the relationship between religion and culture as well as their impact on secular society and political institutions.

VISUAL ARTS

Elective Course	Grade	Credit	Prerequisite	Fee	Description (Fine Art Credit)
ART I (02110)	9, 10, 11, 12	1/2	None	Yes	This course is designed as a general survey course encompassing a variety of content areas.
CERAMICS I (02210)	9, 10, 11, 12	1/2	Art I	Yes	This is a beginning course that focuses on the fundamentals, techniques, and terminology of the medium.
CERAMICS II (02220)	10, 11, 12	1/2	Ceramics I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium
CERAMICS III (02240)	10, 11, 12	1/2	Ceramics II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the medium.
CERAMICS	11, 12	1/2	Ceramics III	Yes	This is an advanced course focusing on
ADVANCED STUDIES (02280IS)					implementing a personal artist voice and building a body of work within the medium.
SCULPTURE I (02230)	9, 10, 11, 12	1/2	Art I	Yes	This is a beginning course that focuses on the fundamentals, techniques, and terminology of the medium.

## 2021-22 OLENTANGY COURSE PLANNING GUIDE

SCULPTURE II (02260)	10, 11, 12	1/2	Sculpture I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium.
SCULPTURE III (02261)	10, 11, 12	1/2	Sculpture II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the medium.
SCULPTURE – ADVANCED STUDIES (02270IS)	11, 12	1/2	Sculpture III	Yes	This is an advanced course focusing on implementing a personal artist voice and building a body of work within the medium. This course is repeatable for credit.
MODELING & ANIMATION I (02310)	9, 10, 11, 12	1/2	Art I	Yes	This is a beginning course that focuses on the fundamentals, techniques, and terminology of the medium.
MODELING & ANIMATION II (02320)	10, 11, 12	1/2	Modeling and Animation I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium.
MODELING & ANIMATION III (02330)	10, 11, 12	1/2	Modeling and Animation II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the medium.
MODELING & ANIMATION – ADVANCED STUDIES (02360IS)	11, 12	1/2	Modeling and Animation III	Yes	This is an advanced course focusing on implementing a personal artist voice and building a body of work within the medium. This course is repeatable for credit.
DRAWING II (02420)	10, 11, 12	1/2	Drawing I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium.
DRAWING III (02430)	10, 11, 12	1/2	Drawing II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the
					medium.

DRAWING – ADVANCED STUDIES (02450IS)	11, 12	1/2	Drawing III	Yes	This is an advanced course focusing on implementing a personal artist voice and building a body of work within the medium. This course is repeatable for credit.
JEWELRY & METALS I (02610)	9, 10, 11, 12	1/2	Art I	Yes	This is a beginning course that focuses on the fundamentals, techniques, and terminology of the medium.
JEWELRY & METALS II (02620)	10, 11, 12	1/2	Jewelry I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium.
JEWELRY & METALS III (02630)	10, 11, 12	1/2	Jewelry II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the medium.
JEWELRY & METALS – ADVANCED STUDIES (02650IS)	11, 12	1/2	Jewelry III	Yes	This is an advanced course focusing on implementing a personal artist voice and building a body of work within the medium. This course is repeatable for credit.
PAINTING I (02710)	10, 11, 12	1/2	Drawing I	Yes	This is a beginning course that focuses on the fundamentals, techniques, and terminology of the medium.
PAINTING II (02720)	10, 11, 12	1/2	Painting I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium.
PAINTING III (02730)	10, 11, 12	1/2	Painting II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the medium.
PAINTING – ADVANCED STUDIES (02750IS)	11, 12	1/2	Painting III	Yes	This is an advanced course focusing on implementing a personal artist voice and building a body of work within the medium. This course is repeatable for credit.
PHOTOGRAPHY I (02810)	9, 10, 11, 12	1/2	Art I	Yes	This is a beginning course that focuses on the fundamentals, techniques, and terminology of the medium. A camera is required, ask your art department teachers about camera details.



PHOTOGRAPHY II (02820)	10, 11, 12	1/2	Photography I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium. A camera is required, ask your art department teachers about camera details.
PHOTOGRAPHY III (02821)	10, 11, 12	1/2	Photography II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the medium. A camera is required, ask your art department teachers about camera details.
PHOTOGRAPHY – ADVANCED STUDIES (02870IS)	11, 12	1/2	Photography III	Yes	This is an advanced course focusing on implementing a personal artist voice and building a body of work within the medium. A camera is required, ask your art department teachers about camera details. This course is repeatable for credit.
DIGITAL ART & DESIGN I (02830)	9, 10, 11, 12	1/2	Art I	Yes	This is a beginning course that focuses on the fundamentals, techniques, and terminology of the medium.
DIGITAL ART & DESIGN II (02831)	10, 11, 12	1/2	Digital Art and Design I	Yes	This is an intermediate course that focuses on the depth and versatility of the medium as well as the historical and contemporary significance of the medium.
DIGITAL ART & DESIGN III (02832)	10, 11, 12	1/2	Digital Art and Design II	Yes	This is an accelerated course that focuses on conceptual development and response to historical and contemporary significance of the medium.
DIGITAL ART & DESIGN – ADVANCED STUDIES (02860IS)	11, 12	1/2	Digital Art and Design III	Yes	This is an advanced course focusing on implementing a personal artist voice and building a body of work within the medium.
ADVANCED PLACEMENT ART HISTORY (02510)	11, 12	1	“A” or “B” in previous English / History Teacher’s Recommendation	Yes	AP Art History is designed to be the equivalent of a two-semester Art History Humanities college course. This course welcomes students into the global art world as active participants, engaging with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art.

WORLD LANGUAGES**FRENCH I (06110)**

Credit: 1

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course introduces students to the French language including basic grammatical structures and thematic vocabulary. All three modes of communication (Interpretive, Interpersonal and Presentational) are practiced as well as the four skills of language learning: listening, reading, writing, and speaking. A variety of cultural knowledge from French speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials when appropriate. Unit topics include an introduction to the French World, student likes/dislikes, family and home, school life and at a café. Students are expected to use French for communication in class when possible. Upon completion of this course students should have a novice mid-level of proficiency in the language.

**FRENCH II (06120)**

Credit: 1

Grades: 9, 10, 11, 12

Prerequisite: "C" or better in French I or teacher recommendation

Elective Course

Fee: Yes

This course builds upon students' prior French knowledge from level I with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning: listening, reading, writing, and speaking are consistently practiced throughout the year. A variety of cultural knowledge from French speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials when appropriate. Unit topics include Health & Wellness, Holidays & Celebrations, The Community, Shopping and Transportation. Students are expected to use French for communication in class when possible. Upon completion of this course students should have a novice-high level of proficiency in the language.

**FRENCH III (06130)**

Credit: 1

Grades: 10, 11, 12

Prerequisite: "C" or better in French II or teacher recommendation

Elective Course

Fee: Yes

This course builds upon students' prior French knowledge from levels I & II with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning: listening, reading, writing and speaking are consistently practiced throughout the year. A variety of cultural knowledge from French speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials as much as possible. Unit topics include Travel & Accommodations, Food & Drink, Childhood & Storytelling and Technology. Students are expected to use French for communication in class as much as possible. Upon completion of this course students should have an intermediate-low level of proficiency in the language.

**FRENCH IV (06140)**

Credit: 1

Grades: 11, 12

Elective Course

Fee: Yes

Prerequisite: "C" or better in French III or teacher recommendation

This course builds upon students' prior French knowledge from levels I, II & III with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning: listening, reading, writing and speaking are consistently practiced throughout the year. A variety of cultural knowledge from French speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials as much as possible. Unit topics include Relationships, the Environment, Historical Perspectives, Arts & Entertainment and The World of Work. Students are expected to use French for communication in this class. Upon completion of this course students should have an intermediate mid-level of proficiency in the language.

**AP FRENCH (06530)**

Credit: 1

Grades: 12

Elective Course

Fee: Yes

Prerequisite: "C" or better in French IV or teacher recommendation

This course is designed for students in their fifth year of language study who have a desire to enhance and strengthen their French language skills as well as to extend their cultural knowledge. Advanced Placement French will use a communicative approach with various authentic media in addition to the course prescribed workbook which includes college level test prep material. This course includes a comprehensive review and expansion of grammatical concepts and conversational skills, the study and practice of essay writing and the analysis and discussion of texts, in order to prepare students for the AP French Language Exam. Students are expected to use French to communicate in this class. Students are expected to take the Advanced Placement French Language Exam in May.

**GERMAN I (06210)**

Credit: 1

Grades: 9, 10, 11, 12

Elective Course

Fee: Yes

Prerequisite: None

This course introduces students to the German language including basic grammatical structures and thematic vocabulary. All three modes of communication (Interpretive, Interpersonal and Presentational) are practiced. The four skills of language learning: listening, reading, writing, and speaking are consistently practiced throughout the year. A variety of cultural knowledge from German speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials when appropriate. Unit topics include an introduction to the German World, student likes/dislikes, family and home, school life and at a café. Students are expected to use German for communication in class when possible. Upon completion of this course students should have a novice-mid level of proficiency in the language.

**GERMAN II (06220)**

Credit: 1

Grades: 9, 10, 11, 12

Elective Course

Fee: Yes

Prerequisite: “C” or better in German I or teacher recommendation

This course builds upon students’ prior German knowledge from level I with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning: listening, reading, writing, and speaking are consistently practiced throughout the year. A variety of cultural knowledge from German speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials when appropriate. Unit topics include Health & Wellness, Holidays & Celebrations, The Community, Shopping and Transportation. Students are expected to use German for communication in class when possible. Upon completion of this course students should have a novice-high level of proficiency in the language.

**GERMAN III (06230)**

Credit: 1

Grades: 10, 11, 12

Elective Course

Fee: Yes

Prerequisite: “C” or better in German II or teacher recommendation

This course builds upon students’ prior German knowledge from levels I & II with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning: listening, reading, writing and speaking are consistently practiced throughout the year. A variety of cultural knowledge from German speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials as much as possible. Unit topics include Travel & Accommodations, Food & Drink, Childhood, Storytelling and Technology. Students are expected to use German for communication in class as much as possible. Upon completion of this course students should have an intermediate-low level of proficiency in the language.

**GERMAN IV (06240)**

Credit: 1

Grades: 12

Elective Course

Fee: Yes

Prerequisite: “C” or better in German III or teacher recommendation

This course builds upon students’ prior German knowledge from levels I, II & III with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning: listening, reading, writing and speaking are consistently practiced throughout the year. A variety of cultural knowledge from German speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials as much as possible. Students are expected to use German for communication in this class. Upon completion of this course students should have an intermediate-mid level of proficiency in the language.

**AP GERMAN (06520)**

Credit: 1

Grades: 12

Elective Course

Fee: Yes

Prerequisite: “C” or better in German IV or teacher recommendation

This course is designed for students in their fifth year of language study who have a desire to enhance and strengthen their Spanish language skills as well as to extend their cultural knowledge. Advanced Placement German will use a communicative approach with various authentic media in addition to the

course prescribed workbook which includes college level test prep material. This course includes a comprehensive review and expansion of grammatical concepts and conversational skills, the study and practice of essay writing and the analysis and discussion of texts, in order to prepare students for the AP German Language Exam. Students are expected to use German to communicate in this class. Students are expected to take the Advanced Placement German Language Exam in May.

SPANISH I (06310)
-------------------

Credit: 1

Grades: 9, 10, 11, 12

Prerequisite: None

Elective Course

Fee: Yes

This course introduces students to the Spanish language including basic grammatical structures and thematic vocabulary. All three modes of communication (Interpretive, Interpersonal and Presentational) are practiced as well as the four skills of language learning; listening, reading, writing, and speaking. A variety of cultural knowledge from Spanish speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials when appropriate. Unit topics include an introduction to the Spanish World, student likes/dislikes, family and home, school life and at a café. Students are expected to use Spanish for communication in class when possible. Upon completion of this course students should have a novice mid-level of proficiency in the language.

SPANISH II (06320)
--------------------

Credit: 1

Grades: 9, 10, 11, 12

Prerequisite: "C" or better in Spanish I or teacher recommendation

Elective Course

This course builds upon students' prior Spanish knowledge from level I with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning; listening, reading, writing, and speaking are consistently practiced throughout the year. A variety of cultural knowledge from Spanish speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials when appropriate. Unit topics include Health & Wellness, Holidays & Celebrations, The Community, Shopping and Transportation. Students are expected to use Spanish for communication in class when possible. Upon completion of this course students should have a novice-high level of proficiency in the language.

SPANISH III (06330)
---------------------

Credit: 1

Grades: 10, 11, 12

Prerequisite: "C" or better in Spanish II or teacher recommendation

Elective Course

Fee: Yes

This course builds upon students' prior Spanish knowledge from levels I & II with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning; listening, reading, writing and speaking are consistently practiced throughout the year. A variety of cultural knowledge from Spanish speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials as much as possible. Unit topics include Travel & Accommodations, Food & Drink, Childhood, Storytelling and Technology. Students are expected to use Spanish for communication in class as much as possible. Upon completion of this course students should have an intermediate-low level of proficiency in the language.

## SPANISH IV (06340)

Credit: 1

Elective Course

Grades: 11, 12

Prerequisite: "C" or better in Spanish III or teacher recommendation

This course builds upon students' prior Spanish knowledge from levels I, II & III with a goal to increase their overall language proficiency in the three modes of communication (Interpretive, Interpersonal and Presentational). The four skills of language learning: listening, reading, writing and speaking are consistently practiced throughout the year. A variety of cultural knowledge from Spanish speaking countries is presented and when possible, students are asked to compare their home culture to the target language culture. Class material is presented using a variety of resources including authentic materials as much as possible. Unit topics include Relationships, the Environment, Historical Perspectives, Arts & Entertainment and The World of Work. Students are expected to use Spanish for communication in this class. Upon completion of this course students should have an intermediate mid-level of proficiency in the language.

## AP SPANISH (06510)

Credit: 1

Elective Course

Grades: 12

Fee: Yes

Prerequisite: "C" or better in Spanish IV or teacher recommendation

This course is designed for students in their fifth year of language study who have a desire to enhance and strengthen their Spanish language skills as well as to extend their cultural knowledge. Advanced Placement Spanish will use a communicative approach with various authentic media in addition to the course prescribed workbook which includes college level test prep material. This course includes a comprehensive review and expansion of grammatical concepts and conversational skills, the study and practice of essay writing and the analysis and discussion of texts, in order to prepare students for the AP Spanish Language Exam. Students are expected to use Spanish to communicate in this class. Students are expected to take the Advanced Placement Spanish Language Exam in May.

## OLENTANGY ACADEMY - STEM

---

STEM (Science, Technology, Engineering, and Mathematics) education is focused on developing 21st century thinking capacities in young people, including critical thinking, collaboration, communication, and creativity. These thinking capacities are cultivated through learning tasks and activities that are hands-on, relevant to local and global issues, and presented in an integrated transdisciplinary approach. The Olentangy Academy STEM program will provide students the opportunity to...

- Be innovative and think like an engineer
- Conduct relevant research
- Solve real-world problems
- Work with professionals in a variety of STEM fields
- Answer the question “Why do I have to learn this?”

### What courses will Olentangy Academy students take?

#### Freshman

Physical Science, Math (Algebra I, Geometry, Algebra II), English, Engineering Design, and World History

#### Sophomore

Biology, Math (Geometry, Algebra II, Pre-Calculus), English and Engineering Principles

### How do I submit my application?

The first step in the application process is to indicate on your high school course selection sheet that you intend to apply for Olentangy Academy. At this time, it is advised to speak with your middle school counselor about the program and what it would mean to your high school schedule. If you decide to go forward with the application process, please visit the [Olentangy Academy](#) page of our website.

### What about transportation? Will lunch be provided?

Freshman students will begin their day at their home high school where they will take three periods, eat lunch, and then travel to the Academy. At the end of the day they will ride a shuttle back to their home high school to take their normal buses home.

Sophomores will be transported to the Academy in the morning, and transported back to their home high school for lunch, and three full periods of instruction.

### Will I still be able to participate in extracurricular activities?

Absolutely!

### How can I find out more information about this program?

You can find more information about our program on our website. You can also follow us on Twitter @OlenAcademy.

## COLLEGE CREDIT PLUS

---

Olentangy Local Schools participates in the College Credit Plus Program (CCP) where college-ready students in grades 7-12 can earn high school and college credit at the same time. Detailed information is available at <https://www.ohiohighered.org/ccp>.

If you choose to pursue this opportunity, please complete your [Intent to Participate Form](#) and return it to your counselor by May 1, 2021. Counselors will assist students to help determine if CCP is the right choice for them. Approval of your Intent to Participate Form by your counselor allows students to start the admissions process at the participating area college / university of your choice.

To apply: Students must follow the eligibility, admission and [registration process](#), and meet [eligibility assessments](#) to be admitted to any college for CCP. Please notify your counselor once you are admitted.

Admission for CCP does not guarantee availability of courses or seat in particular class. Students may not be able to enroll in course for a variety of reasons including:

- A course may not be offered every semester
- A course may not fit into a student's schedule
- The class may be full, course enrollment will be limited by the number of seats available in the course
- The class may be restricted to students in a particular major, or to students who have completed required
- pre-requisite courses or achieved required placement test scores

### Advantages of College Credit Plus

- Students can earn free college credit.
- Students have the opportunity to enroll in classes not available at their high school.
- Students have the opportunity to experience a college classroom environment.

### What are the challenges of College Credit Plus, if any?

- College courses may be challenging and require additional time commitments. Once enrolled, ALL correspondence about grades and course materials must be handled through the college / university professor or advisor.
- All CCP courses will appear on the high school transcript and will be calculated into the student's overall GPA.
- Students may find that they have less time to be involved in extra-curricular activities and/or after school jobs.
- It may have an impact on athletic eligibility, [more information](#).
- Calendars will likely not match between the high school and college/university.
- Students who enroll will be asked to repay the local school district for the cost of tuition and books if they fail the course (earning a grade of E or F), or withdraw from a course after the "drop date" unless the student is considered economically disadvantaged, or exceeds the 30 max credits.
- Transportation is not provided.
- Federal financial aid may be impacted: federal guidelines limit the number of courses you may attempt (even if they are taken while in high school) to 150% of the number of credits needed for a degree.



**Cost**

Students are limited to the equivalent of 30 total credits per academic year paid by Olentangy. Students wishing to earn more than 30 credits per academic year will be responsible for paying any course(s) that exceed(s) the 30-credit limit. High school academic classes are equivalent to 3 college credits for purposes of this calculation, so a student with an academic course in each of 8 high school class periods already uses 24 credits ( $8 \times 3 = 24$ ). In this scenario, the student would be eligible for 6 CCP credits ( $30 - 24 = 6$ ) at no cost to the student.

Frequently Asked Questions
----------------------------

Q: How do students sign up for CCP courses?

A: Students should see their counselor during the scheduling process if they are interested in taking CCP courses.

Q: How is the CCP course factored into the student's high school GPA?

A: All College Credit Plus courses will be computed into the GPA using the same scale as Advanced Placement and will be recorded on their high school transcripts. Since Olentangy Advanced Placement courses are on a 5.0 scale, CCP courses are also on a 5.0 scale. In addition, the grade earned will also be factored into the student's GPA at the college.

For students who do not pass a CCP course or withdraws from the course after the college's required date), the grade will appear on both the college and high school transcripts (i.e., F or W). The course grade of "F" will be computed into the high school and college grade point average (GPA).

Q: How are college credits converted to high school credits?

College Semester Units	High School Carnegie Unit
5	1.0
4	1.0
3	1.0
2	.67
1	.33

Q: Can I be placed on CCP probation or dismissed from the program?

A: Yes. If a student earns a lower than a 2. GPA in college or withdraws from two or more courses in the same term. Learn more about the [Underperforming Student Rule 3333-1-65.13](#).

Q: If I receive a D or above, can I retake the course to improve my grade?

A: If the college allows you to retake a course, you must do so outside the college credit program at your own expense.

Q: If I fail the course (E or F) can I retake it?

A: It depends on the college policies. If they allow you to retake the course, then the new college grade may be applied to the high school transcript. The course retake is at the expense of the student.

Q: What courses can I take?

A: Students may take a variety of courses as long as they qualify as a CCP course. Eligible courses may be found [here](#).

Q: Will colleges give credit for classes?

A: Any Ohio public college or university will give credit for courses that are part of the [Transfer Assurance Guide](#) (TAG).

Q: How is a CCP course different from an Advanced Placement (AP) course?

A: The primary difference is that college credit is attained by successfully completing the requirements of the course, rather than earning a necessary score on an exam, as is the case with an AP course. Three CCP credit hours equals 1 HS Credit. Students should speak with their counselors for help deciding what options are best for them.

Q: Why might students and parents opt for CCP when AP courses are widely recognized by universities across the country?

How many colleges and universities in Ohio will recognize CCP credit?

A: All Ohio public colleges and universities accept TAG courses in the same way they do AP courses. Students who intend to attend private or out-of-state colleges or universities may find AP to be a better option for them.

Q: What if the Olentangy calendar and my college calendar do not align? Which calendar do I follow?

A: Students who are enrolled in CCP courses will follow the college academic calendar.

Q: How do parents and students learn more information about the CCP?

A: Information about CCP will be presented to students during their scheduling meetings. The District hosts a CCP Information Session in December for parents and students. CCP information is also posted on our District and High School websites.

Q: How many students will be enrolled in CCP courses?

A: CCP class size will be consistent with college class sizes.

Q: Will transportation be provided to colleges by the school district?

A: No. Students will need to provide their own transportation and pay for a parking pass if required.

## OLENTANGY & COLUMBUS STATE COMMUNITY CCP PARTNERSHIP

---

College Credit Plus is an option for students to earn college credit while in high school. Olentangy Local Schools and Columbus State Community College have formed a strong partnership and some courses are offered during the first three periods of the high school day at the Columbus State Delaware Campus.

Below are the steps to gain admission to Columbus State Community College:

Follow the student [eligibility process](#) and demonstrate college [eligibility on assessments](#)

Complete the free [CSCC application online](#)

Please contact CSCC if you have additional questions.

Columbus State Community College Building Blocks: Which block is right for me?

The College Building Blocks are a series of suggested courses based on popular bachelor's degree programs. Students can use the blocks as a guide as they begin exploring their College Credit Plus options. The College Building Blocks give students the flexibility to choose courses that best fit their needs and create individualized 15 - 30 hour college pathways. Each block was designed to ensure students were taking appropriate courses for their desired 4-year degree program. If students have questions about transfer options, a CSCC advisor is happy to help students connect with our university partners.

To ensure the transferability of courses, students can refer to the [Transfer Assurance Guides \(TAG\)](#) and [the Ohio Transfer Module \(OTM\)](#). TAG and OTM courses are approved by the Ohio Legislature to transfer to any in-state, public institution. Courses typically do transfer out of state and to private schools but are not guaranteed by the state of Ohio. Students may earn a certificate by completing the minimum requirements of the OTM.

Columbus State also offers many lucrative career and technical degree opportunities for students. Students are able to take courses in many of the career and technical programs while participating in the College Credit Plus program. Some career and technical programs have age restrictions that exclude students in CCP from taking courses in those areas. Students should meet with a CSCC advisor prior to choosing career and technical courses to ensure their eligibility as well as match their educational and career goals.

Below are several popular degree "blocks" and their suggested courses. These interest areas do not encompass all potential degrees or career interest areas. Some of the courses listed are not TAG or OTM approved, however all typically transfer to most 4-year institutions. If students do not see their anticipated degree area, a CSCC advisor can help determine which path may best suit their goals.

Students must meet course prerequisites for all courses listed in the College Building Blocks. Students can discover course prerequisites, course descriptions, and current semester schedules at the below web link: <http://www.csccl.edu/academics/courses>.

**Disclaimer:** Courses are subject to change as deemed appropriate by Columbus State Community College.

Course availability varies by semester and is determined by each academic department. Courses may not always be available in the desired format or at the campus location a student wishes to attend. Students should always check the current semester schedule of courses prior to selecting courses for the semester they wish to enroll to ensure courses fit their high school academic plan.

CSCC Advising Contacts:

Columbus Campus Location: [ccp advising@csccl.edu](mailto:ccp advising@csccl.edu)

Delaware Campus Location: Student can meet with any advisor at the Delaware Campus by contacting their appointment line: 740-203-8345

CSCC CCP Course Eligibility:

The first fifteen (15) hours of a student's participation must be transferable, part of a technical certificate program or pathway, a study skills or academic success course, or in the areas of computer science. Information technology,

anatomy, physiology, foreign language, or American Sign Language. These are called Level I courses, please refer to [CSCC Level I courses](#) for more information.

## COLLEGE BUILDING BLOCKS FOR CSCC CCP STUDENTS

### BUSINESS

Courses	College Credits
ENGL 1100 – Composition I	3
ENGL 2367 – Composition II	3
MATH 1130* – Business Algebra	5
MATH 1131* – Business Calculus	6
ECON 2200 – Microeconomics	3
ECON 2201 – Macroeconomics	3
ACCT 1211 – Financial Accounting	3
ACCT 1212 – Managerial Accounting	3
PHIL 1130 – Ethics	3
MKTG 1110 – Marketing Principle	3
FMGT 1101 – Personal Finance	3
Total	38

\* Some business degrees may require alternate MATH courses. Please speak to your CSCC advisor about your transfer plans to determine which MATH sequence is your best option.

### COMPUTER SCIENCE

Courses	College Credits
ENGL 1100 – Composition I	3
ENGL 2367 – Composition II	3
MATH 1151 – Calculus I	5
MATH 1152 – Calculus II	5
PHYS**	5
*CSCI 1101 – Computer Concepts & Applications	3
*CSCI 1103 – Introduction to Programming Logic	3

*CSCI 2467 – Java Programming I	3
* not OTM or TAG courses but needed for higher CSCI courses	
OTM Social Science – any courses	6
OTM History – any course	3
Total	39

\*\*PHYSICS varies by 4-year program. Please speak to your CSCC advisor to determine your best Physics option.

\*\*\*The Computer Science department offers several certificates that can be completed while students participate in CCP. The transferability of those courses may be limited; however, the certificates are useful in the industry. Students who are interested in obtaining a CSCI certificate should speak with their CCP advisor about which certificate is right for them.

### EDUCATION

Courses	College Credits
ENGL 1100 – Composition I	3
English 2367 – Composition II	3
MATH 1123** or 1148**	3-4
*MATH 1125** Concept MATH for Teachers I	5
*MATH 1126** Concept MATH for Teachers II	5
PSY 1100 – Intro to Psychology	3
PSY 2200 – Educational Psychology	3
PSY 2551 – Adolescent Psychology	3
EDUC 2210 – Introduction to Education	3
SOC 1101 – Introduction to Sociology	3
OTM History – any courses	3
OTM Natural Science – any courses	7
Total	34-41

\* Elementary Only

\*\* MATH requirements vary by 4-year school and education specialization; students should speak with their CCP advisor prior to registering for MATH courses.

### ENGINEERING

Courses	College Credits
ENGL 1100 – Composition I	3
ENGL 2367 – Composition II	3
MATH 1151 – Calculus	5

MATH 1152 – Calculus II	5
PHYS 1250 – Calculus-based I	5
PHYS 1251 – Calculus-based II	5
ENGR 1181 – Fundamentals of Engineering I	3
OTM Humanities – any course	3
OTM Social Science – any course	3
OTM History – any course	3
Total	38

GENERAL LIBERAL ARTS / SCIENCE

Courses	College Credits
English 1100 – Composition I	3
English 2367 – Composition II	3
Math 1116 or higher**	3-8
OTM Social Science – any courses	9
OTM History – any courses	6
OTM Humanities – any courses	6
OTM Natural Science*** any courses	7-10
Total	38

\* This track is designed for students who plan to transfer and are unsure of their major or their major falls outside of the other blocks listed. Students choosing this block have the flexibility to choose from a variety of courses on the TAG and OTM guides.

\*\* Students should speak with their CCP advisor to determine which MATH sequence is appropriate for their degree.

\*\*\* Students should speak with their CCP advisor to determine which SCIENCE sequence is appropriate for their degree.

NURSING BLOCK

Courses	College Credits
ENGL 1100 – Composition I	3
ENGL 2367 – Composition II	3
PSY 1100 – Intro Psychology	3
PSY 2340 – Human Growth & Dev	3
SOC 1101 – Intro to Sociology	3
BIO 2300 – Human Anatomy	3
BIO 2301 – Human Physiology	3

PHIL 1130 – Ethics	3
CHEM**	4
HNTR 1153 – Nutrition for Healthy Life	3
OTM History – any courses	3
Total	37

\* NURS 1001 requires completion of a health record and “No Reading Required,” meaning at least an 80 on the Reading Accuplacer or a 22+ on the Reading ACT.

\*\* CHEMISTRY varies by 4-year program. Please speak to your CSCC advisor to determine your best option.

PRE-HEALTH (MEDICAL / DENTAL / VETERINARY)

Courses	College Credits
ENGL 1100 – Composition I	3
ENGL 2367 – Composition II	3
MATH 1148* – College Algebra	5
PSY 1100 – Intro to Psychology	5
CHEM 1171 – General Chemistry I	5
CHEM 1172 – General Chemistry II	5
SOC 1101 – Intro to Sociology	3
PHIL 1130 – Ethics	3
Total	37

\* Students should speak with their CCP advisor to determine which MATH sequence is appropriate for their degree.

Students should visit our District [website](#) to learn more about CCP and other universities in the region that take part in the CCP program.

## AEROSPACE & LEADERSHIP (AIR FORCE JUNIOR ROTC)

Aerospace and Leadership is an accredited citizenship- and character-building program offered at R.B. Hayes High School and available to students of Olentangy, Delaware, Buckeye Valley, and Big Walnut Districts. Chartered by Congress in 1966, this program is charged with integrating programs of aerospace education, citizenship-, leadership- and team-building skills and voluntary community service with the curricula of their host high schools. The program is not an extension of the recruiting services of any branch of armed service, is not directly connected with college- or university-level ROTC programs, carries no obligation to enter military service, and does not actively encourage any student to choose a career in the armed service. The program offers accredited elective coursework in citizenship, team building, the science and history of aviation, exploring space, and cultural studies and survival skills. The program makes available extensive voluntary extracurricular activities such as field trips, interscholastic drill and air rifle marksmanship teams, rocket club, and community service projects. Transportation is not provided by OLSD. [More information.](#)

### AEROSPACE SCIENCE 1 & LEADERSHIP 1 (25710)

**"Science of Flight": (Aerospace Science 1 and Leadership 1) (Elective)**

Credit: 1 C.U.

Offered 2022-2023 to Cadets in their first or second year of AFJROTC. 40% of the course is a study of the forces that enable flight, aerodynamics and propulsion systems. Investigates atmosphere, weather elements and basic forecasting systems; the physiology of flight, impacts on the human body, physical needs to cope in flight, and protective equipment. Introduces elements of navigation, map reading and flight instruments. Leadership 1 (40% of the course) studies respect for the flag, wear of the uniform, military drill, inspections, first aid, and study habits. Concepts of integrity, unity, and honor are emphasized. Also covers the very basic aspects of marching and ceremonies to include traditional customs and courtesies, flag honors, etc. 20% of the course is oriented to fitness and wellness.

(AFJROTC codes AS-200, LE-100, and LE-200)

\$25 Activity Fee Annually

### AEROSCIENCE II & LEADERSHIP II (25720)

**"History of Flight": Aerospace Science 2 & Leadership 2 (Elective)**

Credit: 1 C.U.

Offered 2022-2023 to Cadets in their first or second year of AFJROTC. 40% of the course is a study of aviation from ancient attempts through pioneers in lighter-than-air craft to the Wright Brothers. Examines the development of the aircraft through WWI and the Inter War Years. Tracks the impact of aviation through WWII, Korea, Vietnam, and post-911 conflicts. Examines commercial aviation, basic astronomy and space exploration, and air power in military operations of recent years. Leadership 2 (40% of the course) explores human behavior, group behavior, values, and prejudices. Communicative skills include effective listening, speaking, and writing. Leadership studies includes: leadership and followership concepts, principles of effective leaders, and building teamwork. Also covers very basic aspects of marching and ceremonies to include traditional customs and courtesies, flag honors, etc. 20% of the course is oriented to fitness and wellness.

(AFJROTC codes AS-100, LE-100, and LE-200)

\$25 Activity Fee Annually

### AEROSCIENCE III & LEADERSHIP III (25730)

**"Aerospace 3": Aerospace Science 3 & Leadership 3. (Elective)**

Credit: 1 C.U.

Prerequisite: Science of Flight and/or History of Flight

Offered 2022-2023 to Cadets in their third or fourth year of AFJROTC. [NOTE: The Senior Aerospace Science Instructor may, on a case-by-case basis, admit to this course a high school junior or senior who has completed at least one year of AFJROTC.] Cadet consensus determines whether Aerospace content (40%)



will focus on Exploring Space, Cultural Studies, or Survival Skills with the stipulation the focus will be one of **the two options different from the preceding year's option**. Exploring Space covers fundamentals of astronomy; space environment, physical requirements for human survival in space, manned, satellite, and interplanetary probe programs, development of space stations, the space shuttle and new vehicles; and orbital mechanics, rockets, and robotics. Cultural Studies examines regions of the world, relationships between people, cultures and environments, similarities and differences among places; physical and political processes, dangers of pollution, population explosion, and depletion of Earth's natural resources, and how global events and developments affect our nation. Survival covers improvisation, first aid, health, and navigation in survival situations. Leadership 3 (40%) builds on the previous year's understanding of human behavior by exploring the principles of management. Management techniques are taught and cadets use them to manage unit activities, formal dinners, parades, and voluntary community service activities. Ethics and core values are explored using ethical dilemmas, and building a basic understanding of how growth occurs in moral reasoning. Stress management, financial management, and citizenship issues are studied to develop the cadet's ability to function in today's society. Development of drill and ceremonies skills begun in Aerospace 1 and 2 continues. 20% of the course is oriented to fitness and wellness.

(AFJROTC codes AS-220, 300, OR 410, & LE-300 &/or LE-400)

\$25 Activity Fee Annually

AEROSCIENCE IV & LEADERSHIP IV (25740)
--

“Aerospace 4”: Aerospace Science 4 & Leadership 4 (Elective)

Credit: 1 C.U.

Prerequisite: Science of Flight &/or History of Flight

Offered 2022-2023 to Cadets in their third or fourth year of AFJROTC. [NOTE: The Senior Aerospace Science Instructor may, on a case-by-case basis, admit to this course a high school junior or senior who has completed at least one year of AFJROTC.] Cadet consensus determines whether Aerospace content (40%) will focus on Exploring Space, Cultural Studies, or Survival Skills with the stipulation the focus will be one of **the two options different from the preceding year's option**. Exploring Space covers fundamentals of astronomy; space environment, physical requirements for human survival in space, manned, satellite, and interplanetary probe programs, development of space stations, the space shuttle and new vehicles; and orbital mechanics, rockets, and robotics. Cultural Studies examines regions of the world, relationships between people, cultures and environments, similarities and differences among places; physical and political processes, dangers of pollution, population explosion, and depletion of Earth's natural resources, and how global events and developments affect our nation. Survival covers improvisation, first aid, health, and navigation in survival situations. Leadership 4 (40%) prepares the students to enter the job market by managing business activities. Basic resume writing and job interview techniques are taught. Students become familiar with quality planning and measurement techniques. Development of drill and ceremonies skills begun in Aerospace 1 and 2 continues. 20% of the course is oriented to fitness and wellness.

(AFJROTC codes AS-220, 300, or 410, & LE-300 &/or LE-400)

\$25 Activity Fee Annually

AFJROTC Summer Leadership School (Off-Campus Summer Elective)
---

Credit: ½ C.U.

Prerequisites: Completion of at least one semester of Aerospace Science 1, 2, 3, or 4, excellent health, reasonable physical condition, health and accident insurance, and the approval of the Senior Aerospace Science Instructor.

This is an intense 6-day leadership experience at Wright Patterson Air Force Base and Wright State University involving students from high schools throughout the Midwest. Course is activity-based. All meals and living arrangements are provided. The program includes academics, land, water and night survival, Field Training Exercise, an airplane flight when possible, drill and ceremonies, recreation, and athletics. JROTC instructors organize and conduct the camp using Air Force and WSU facilities and funding opportunities. Fee required, varies annually, announced in April.

## DELAWARE AREA CAREER CENTER

---

The Delaware Area Career Center offers elective courses to Olentangy students at the Delaware Area Career Center campuses and at local businesses. While the goal of our students is to prepare for their future career, many DACC graduates continue their education at 2- and 4-year colleges to supplement what they learned in high school. DACC students graduate with industry credentials, professional contacts, and a portfolio of work, a career passport, and their Olentangy diploma. The experiences students get at DACC will help them to stand out on college essays, scholarship applications, and resumes.

APPLICATION DEADLINE: January 15 is the priority application deadline; however, qualified students are admitted on a space-available basis until the first week of the school year. To obtain more information, contact Mary Siekman, Career Readiness Coordinator, at (740) 201-3218 or Tiffany McComas, Administrative Assistant, at (740) 201-3216 or visit <https://www.delawareareacc.org/high-school>.

### DACC PROGRAMS OF STUDY

App Development / Programming	Automotive Collision Technology
Bioscience	CBI 9 & 10 ^^
Cybersecurity	Construction
Cosmetology+	Culinary Arts
Dental Assisting	Digital Design
Early Childhood Education	Engineering Technology**
Fire Service Training	Food Service^
Health Technology	Hospitality
Landscaping and Turfgrass Management	Power Line Technician

[CLICK HERE FOR ADDITIONAL DETAILED INFORMATION ON THE DACC PROGRAMS OF STUDY](#)

### OFF-SITE PROGRAMS

Columbus Zoo and Aquarium School  
Equine Science (at the Delaware County Fairgrounds)  
ProjectSEARCH (at Grady Memorial Hospital)

### KEY

+ Full day only program

++ Senior only program

\* One-year program

^ Counselor recommendation preferred

\*\* Three-year program beginning in the 10<sup>th</sup> grade

### ACADEMIC COURSES

#### ENGLISH

English 10  
English 11  
English 12

#### MATHEMATICS

Algebra II  
Calculus  
Geometry  
Pre-Calculus  
Statistics  
Transition to College Math

#### SCIENCE

Advanced Chemistry  
Anatomy and Physiology  
Biology  
Chemistry  
Forensics  
Introduction to Physics  
Material Science  
Physics  
Physical Geology

#### SOCIAL STUDIES

American History  
Financial Literacy/Economics  
Psychology

Sociology  
U.S. Government  
World History

The Delaware Area Career Center (DACC) affirms that equal opportunities are offered without regard to race, color, religion, sex, military status, national origin, disability, age, and ancestry of person. No person shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity conducted under its auspices. This shall extend to employees therein and to admission thereto. Inquiries concerning the application of this policy may be referred to the superintendent or designated coordinators. This policy shall prevail in all Board policies concerning school employees and students. The designated coordinators are (covering Title VI, Title IX, Age Discrimination, and Section 504): for students – Pupil Services Supervisor, North Campus, 1610 State Route 521, Delaware, OH 43015, telephone 740-201-2211; for staff – Director of Secondary Operations, South Campus, 4565 Columbus Pike, Delaware, OH 43015, telephone 740-203-3209.