

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 the career of your choice. This handbook has been designed to help you make the best possible choices for class selections.

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've 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 soon have an individual scheduling appointment with a guidance counselor or administrator. If you have any questions, please ask. We are happy to help.

The High School Administration

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GENERAL INFORMATION AND REGULATIONS

REQUIREMENTS FOR GRADUATION: To graduate from the Olentangy Local School District, the following credits must be accumulated. For each student, the credits required in English, Speech, Social Studies, Science, Mathematics, Health, Physical Education, and Fine/Applied Art are designed to provide a core liberal arts education. Additional units of credit may extend and broaden this education, or may be devoted to specialized vocational or academic work.

CREDITS 2013	CREDITS 2014 and beyond	REQUIRED COURSES
4	4	English
.5	.5	Health
3	4 (Including Alg. II)	Math
.5	.5	Physical Education
3	3	Science
3.5	3.5	Social Studies
.5	.5	Speech
.5	.5	Personal Finance and Post-Secondary Planning (PFSP)
1		Fine Arts or Applied Arts Visual Arts courses; Performing Arts courses: Instrumental music Vocal music Theatre Applied Arts courses: Family & Consumer Science Industrial Technology courses
	1*	Fine Arts Visual Arts courses; Performing Arts courses: Instrumental music Vocal music Theater
4.5	4.5	Electives
21	22	Total Credits Required for Graduation

* For the class of 2014 and beyond, the Ohio Core curriculum requires students earn one credit of Fine Arts (visual or performing arts).

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 below.

COURSE PARENTAL OVERRIDE: 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 parents wish to take a course the student's teacher has not recommended, a course parental override conference must be held and an override form must be completed by the student and parent(s). If the student experiences difficulty in the course and wants to drop it, she/he may receive a "WF" (withdraw F) in the course.

ATHLETICS ELIGIBILITY: 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.). 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 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.

SCHEDULE CHANGE POLICY: The following regulations will be followed:

- 1) Due to commitments for staff employment/assignments and the 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, the following steps will be adhered to:
 - A. Appeal Form must be obtained from the Student Services office.
 - B. Teachers, parents, and students must properly sign the Appeal Form.
 - C. The form must be returned to the Student Services office for consideration by the Appeal Committee.
 - D. The counselor will then notify the student of the committee's decision.
 - E. Schedule change appeals must be submitted by the end of the 25th day of the school year.
- 3) If a student is permitted to withdraw from a course after the beginning of the school year, the student may receive a withdraw pass "WP" or withdraw fail "WF" on his/her transcript.

OHIO GRADUATION TEST: The Ohio Department of Education requires that all high school students pass these achievement tests. These tests will include the subject areas of reading, writing, mathematics, social studies and science. All students must pass these tests in order to receive a diploma. Each student will have one chance in the tenth grade year and two chances in both the eleventh and twelfth grade years to pass the Ohio Graduation Tests. Additional testing opportunities are available in summer school following 10th and 11th grades.

EDUCATIONAL OPTIONS PROGRAM: The single purpose of the EOP program is to extend educational opportunities. It is not designed to provide community service, to give students work experience or allow them to earn money, or to serve any purposes of the school.

CREDIT FLEXIBILITY OPTION Olentangy recognizes that an effective educational program is one that provides 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 mastery of course content by completing activities and/or testing. Information detailing courses and procedures for credit flexibility are available in the guidance office or online at www.olentangy.k12.oh.us

INDEPENDENT STUDY - an educational activity involving advanced or in-depth work by an individual student under the direction of a certificated member of the school staff. Independent Study options are not approved for courses that are offered during the regular school day.

POST SECONDARY ENROLLMENT OPTIONS

Students with freshman, sophomore, junior or senior status may enroll full or part time in a post-secondary institution to take nonsectarian courses for high and/or college credit. 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. Students interested in post-secondary enrollment options (PSEO) must meet all of the following criteria:

- A) Attend a mandatory meeting with high school officials explaining the program.
- B) Apply to and attain acceptance from the college/university
- C) Meet a minimum grade point average required by the college

Students may choose option A; B; and C as their post-secondary experience:

Option A: Students may enroll in nonsectarian college courses for college credit only. The student is responsible for paying tuition, fees, textbooks etc.

Option B: Students may enroll in nonsectarian college courses for both high school and college credit. Under this option, the student's enrollment will be financed by the local school district if the course is completed. However the high school reserves the right to predetermine eligibility of a course for high school graduation requirements. For a college course to be counted as a required graduation credit, the student must get approval of the high school principal or designee before registering for the course. If the course is a five-semester hour course then one Carnegie unit of credit will be granted. Grades received in the courses elected for high school credit will be included in the G.P.A. and these credits will appear on the student's record.

Option C: Ohio law permits students, at their own expense, to take college classes and other enrichment courses while in high school. Students who take such courses may earn elective credit towards high school graduation. Students who desire high school credit must present an official transcript from an accredited high school or college/university indicating the course information, grade earned, and credit or university semester/quarter hours earned. The total credit earned, in Carnegie Units, and a grade of "P" will be placed on the student's high school transcript. Semester/quarter hours will be translated to Carnegie Units using the state of Ohio's PSEO criteria. The high school reserves the right to predetermine eligibility of a course for high school graduation requirements. For a college or enrichment course to be counted as a required graduation credit, the student must get approval of the high school principal before registering for the course.

WORK STUDY SENIOR OPTION

Olentangy Local Schools offers a senior 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", including 4 years of English, Science (including physical science, biology, chemistry, and physics or anatomy), Social Studies, and Math (including Algebra I, Geometry, and Algebra II), and 3 years of one world language or 2 years each of two world languages.

Experience – Eligible students may flex arrival or departure time by up to two periods in a school day in order to participate in a work study program.

Participation Requirement – student must complete 135 hours of supervised, documented work study. Upon successful completion, the student will earn 1 elective credit for the work study component of this senior experience.

PE WAIVER

In accordance to Section 3313.603 of the Ohio Revised Code, students in grades 9-11 may be excused from all physical education course requirements by participating in District-sponsored interscholastic athletics, marching band, cheerleading, or JROTC for at least two seasons (or two full years for JROTC). Students in grade 12 who have not completed the waiver requirements or taken a physical education course, will be automatically enrolled in physical education their senior year. The Olentangy Local School board shall not require the student to participate in a physical education course as a condition to graduate. However, the student shall be required to complete one half-unit, consisting of at least 60 hours of instruction, in another course of study. Eligible students must complete the district PE Waiver Intent form before the start of the activity season. Forms are available at the District Central Office, high school guidance office, or on the district website.

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.

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 arrange their high school curriculum to meet these requirements. Students undecided about their choice of a college but who desire 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. Number in () represent the recommended number of units for strong preparation:

College Prep English	4 units
College Prep Mathematics	3 (4) units
College Prep Science	3 (4) units
College Prep Social Science	2 (3) units
Same Foreign Language	2 (3) units
Visual or Performing Art	1 unit
Above Courses	1 additional unit

Students not fulfilling these requirements may be accepted on "conditional" admission. This may entail correcting deficiencies in their pre-college

preparation or possibly completing various developmental courses. Please note: Colleges may increase the world language requirement for all majors. Therefore, students planning to attend college are encouraged to take three years of world language.

The above courses represent a **minimum** for most colleges and universities. Some will accept fewer credits and some will require more. It should be emphasized again that there is considerable variation in admission requirements. The appropriate college catalog or web page should be consulted for more information.

It should be pointed out that college admission cannot be assured simply by the accumulation of the required credits, but is dependent to a great extent on 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.

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 request this change in writing. Upon written request, the "P" grade will be replaced with the final grade issued on the student's 8th grade report card.

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.

EARLY GRADUATION REQUIREMENTS Students desiring to accelerate their four-year high school academic program should contact the principal for approval. An *Academic Acceleration Form* obtained from Student Services should be completed prior to the parent/counselor/administrative conference.

DIPLOMAS – High School Academic Diploma with Honors

Students need to fulfill only 7 of the following 8 criteria

Subject	High School Academic Diploma with Honors	Career-Technical Diploma with Honors
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content.
Science	4 units, including physics and chemistry.	4 units, including 2 advanced sciences.
Social Studies	4 units	4 units
Foreign Language	3 units (must include no less than 2 units for which credit is sought) i.e., 3 units of one language or 2 units of each of two languages.	Not counted toward requirements.
Fine Arts	1 unit	Not counted toward requirements
Career-Technical	Not counted toward requirements, and may not be used to meet requirements	Now counted in Electives
Electives	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post secondary credit.
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score (excluding scores from the writing sections)*	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	Not Applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent.

*Writing sections of either standardized test should not be included in the calculation of this score.

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

- ½ unit physical education
- ½ unit health
- ½ unit in American history
- ½ unit in government

Regular diploma - A diploma will be issued to students who pass all sections of the Ohio Graduation Test and meet all requirements of the Olentangy Board of Education for graduation.

AWARDS 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:

- A) Grade point average – Earn a cumulative grade point average of 3.5 on a 4.0 scale through the first semester of the senior year.
- B) 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)

Award of Merit

Through graduating class of 2013, the requirements listed below have been adopted for the “Award of Merit.” This certificate will be awarded by the State Board of Education to all those who meet the criteria specified in **A and C or B and C**.

- A) **College Prep. Requirements** – complete the following minimum requirements
 1. English - 4 units (may include 1 unit of fundamentals of speech)
 2. Mathematics - 3 units (must include 1 unit of Algebra and 1 unit of Geometry.)
 3. Science - 3 units (must include 2 units from among biology, chemistry, and physics.)
 4. Social Studies – 3½ units (must include 2 units of history and 1/2 unit of civics or government.)
 5. Foreign Language - 3 units (must include no less than 2 units of any language for which credit is sought, i.e., 3 units of one language or 2 units each of two languages.)
 6. Complete 2 units from one or more of the following, or 2 additional units from one or more of the areas listed A.1 through A.5 above.
 - a) Business
 - b) Computer Science
 - c) Visual or Performing Arts
- B) **Career-Technical Curriculum Requirements**
 1. Complete a career technical occupational preparation program.
 2. Complete the following curriculum requirements.
 - a) English - 4 units
 - b) Mathematics - 3 units
 - c) Science - 3 units
 - d) Social Studies – 3 unitsApplied academic credits earned via career-technical education shall apply to the criteria for the Award of Merit.
 3. Complete 2 units from one or more of the following, or 2 additional units from one or more of the areas listed in B.2 above.
 - a) Business
 - b) Computer Science
 - c) Foreign Language
 - d) Visual or Performing Arts
- C) **Performance Criteria (applies to both curricula)**
 1. Maintain above average attendance for grades nine through twelve (compared to a rolling four-year state average).
 2. Demonstrate outstanding achievement in the curriculum as evidenced by one of the following: earning the equivalent of an overall grade point average of 3.25 on a four-point scale for grades nine through twelve; earning the equivalent of an overall grade point average of 3.5 on a four-point scale for grades eleven and twelve; or ranking in the top 25 percent of the class, whichever is more inclusive.
 3. Participate in co-curricular, extracurricular or community activities in accordance with procedures established by the district board of education.
 4. Demonstrate outstanding citizenship/character traits in accordance with criteria established by the district board of education.

SUGGESTED TRACKS 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 CURRICULUM

9th Grade

C.P. English 9 (R)	1 credit
Algebra I, Algebra II or Geometry (R)	1 credit
Physical Science (R)	1 credit
World Studies 1750-Present (R)	1 credit
Physical Education I (RS)	¼ credit
Health (RS)	½ credit
World Language	1 credit
Other Electives	

10th Grade

C.P. English 10 (R)	1 credit
Geometry or Algebra II or Pre-Calculus (R)	1 credit
Biology (R)	1 credit
US History 1877-Present (R)	1 credit
Speech (RS)	½ credit
Physical Education II (RS)	¼ credit
World Language	1 credit
Other Electives	

11th Grade

C.P. English 11 (R)	1 credit
Algebra II or Pre-Calculus or Calculus (R)	1 credit
Chemistry (R)	1 credit
World Language	1 credit
Social Studies Elective (RS)	1-1½ credit
Personal Finance and Post-Secondary Planning (RS)	½ credit
Other Electives	

12th Grade

C.P. English 12 (R)	1 credit
Pre-Calculus or Calculus	1 credit
Advanced Science	1 credit
American Government (R)	½ credit
World Language	1 credit
Other Electives	

Colleges may require foreign language for all majors.

CAREER AND TECHNICAL EDUCATION CURRICULUM

9th Grade

C. P. English 9 (R)	1 credit
Algebra I (R)	1 credit
Physical Science (R)	1 credit
World Studies 1750-Present (R)	1 credit
Physical Education I (RS)	¼ credit
Health (RS)	½ credit
Other Electives	

10th Grade

C.P. English 10 (R)	1 credit
Geometry (R)	1 credit
Biology (R)	1 credit
US History 1877-Present (R)	1 credit
Speech (R)	½ credit
Physical Education II (RS)	¼ credit
Other Electives	

11th Grade

C.P. English 11 (R)	1 credit
Social Studies Elective (RS)	1 credit
Math (R) or Science (R)	1 credit
Personal Finance and Post-Secondary Planning (RS)	½ credit
Delaware Area Career Center	3 credits

12th Grade

English 12 or C.P. English 12 (R)	1 credit
Math (R) or Science (R)	1 credit
U.S. Government (R)	½ credit
Delaware Area Career Center	3 credits
Delaware Area Career Center Electives	
Other Electives	

What are my options?

Business (Pgs. 10-11)

Accounting	½ credit
Applied Economics	½ credit
International Business and Global Econ	½ credit
Introduction to Business	½ credit
Professional Communications Strategies	½ credit
Personal Finance & Post-Secondary Planning	½ credit
Business Tech	½ credit
Marketing	1 credit
Marketing, Management & Entrepreneurship	1 credit
Marketing Internship (must take Mkt/Man)	1 credit

English (Pgs. 12-15)

CP English 9	1 credit
CP English 10	1 credit
Speech	½ credit
CP English 11	1 credit
CP English 12	1 credit
English 12	1 credit
AP English Lit/Composition	1 credit
AP Language/Composition	1 credit
Advanced Speech	½ credit
Bible as Literature	½ credit
British Literature through Film	½ credit
College Survival Skills	½ credit
Etymology	½ credit
Classical Mythology	½ credit
World Mythology	½ credit
Creative Writing with Style	½ credit
Intro to Journalism	1 credit
Newspaper Journalism	1 credit
Advanced Newspaper Journalism	1 credit
Yearbook Journalism	1 credit
Broadcast & Video Production	1 credit

Family & Consumer Sciences (Pgs. 16-17)

Personal Finance & Post-Secondary Planning	½ credit
Design	½ credit
Food for Fitness	½ credit
Cultural Cuisine	½ credit
Human Relationships	½ credit
On Your Own	½ credit
Mentorship I	1 credit
Mentorship II	1 credit
Teacher Academy	2 credit
Service Learning	½ credit

Industrial Technology (Pgs. 18-19)

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

Mathematics (Pgs. 20-22)

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

Performing Arts (Pgs. 23-25)

Acting	½ credit
Advanced Acting	½ credit
Stagecraft	½ credit
Advanced Stagecraft	½ credit
Musical Theater	½ credit
Concert/Marching Band	1 credit
Band Auxiliary/Flag Corps	½ credit
Jazz Band	1 credit
Music Appreciation	½ credit
Music Theory	½ credit
Concert Orchestra	1 credit
Men's Chorus	1 credit
Women's Chorus	1 credit
Advanced Select Choir	1 credit
Concert Choir	1 credit
Show Choir	1 credit
AP Music Theory	1 credit
Ensemble Choir	1 credit

Physical Education/Health (Pgs. 26)

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

Science (Pgs. 27-29)

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

Social Studies (Pgs. 30-32)

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

Visual Arts (Pgs. 33-35)

Art I	½ credit
Ceramics I	½ credit
Ceramics II	½ credit
Ceramics III	½ credit
Ceramics IV	½ credit
Sculpture I	½ credit
Sculpture II	½ credit
Computer Graphics I	½ credit
Computer Graphics II	½ credit
Computer Graphics III	½ credit
Computer Graphics IV	½ credit
Drawing I	½ credit
Drawing II	½ credit
Drawing III	½ credit
Drawing IV	½ credit
Jewelry I	½ credit
Jewelry II	½ credit
Jewelry III	½ credit
Painting I	½ credit
Painting II	½ credit
Painting III	½ credit
Painting IV	½ credit
Photography I	½ credit
Photography II	½ credit
Digital Imaging	½ credit
AP Art History	1 credit

World Languages (Pgs. 36-38)

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

Aerospace Science (Pgs. 39)

ROTC

Career Center Programs (Pgs. 40-45)

North Campus

Automotive Essentials
Automotive Technology**
Career Focused Sophomore Program*
Career Graphics
Construction Technology**
Cosmetology+**
Culinary Arts**
Early Childhood Education**
Facility Maintenance
Fire Service Training
Landscaping and Turf Management
Power Line Technician
Power Sports and Diesel Technology
Welding and Sheet Metal Fabrication**

South Campus

Business Management (dual credit option)**
Dental Assisting**
Electronics**
Environmental Technology **
Food Service
Health Technology**
Information Technology Academy**
Law Enforcement**
Medical Office**
Pre-Professional Internship Program**
Teacher Academy**

Off-site Programs

Columbus Zoo and Aquarium School**
Equine Science (at the Delaware County Fairgrounds)**
Hospitality (at Willowbrook Christian Village)

Key

* a one-year program for sophomores
** college tech prep
+ full-day program, no half-day option

BUSINESS

ACCOUNTING (03810) **(1/2 credit)**

Grades: 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course
Fee Required

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.

APPLIED ECONOMICS (03820) **(1/2 credit)**

Grades: 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course
No Fee

Applied Economics is a hands-on introduction to the study of economics and the American free enterprise system. Topics covered include different economic systems, effects of supply and demand, market structures, role of government, and the relationship of micro and macro economics on our society. The course may include the startup and operations of a student run company and a computer based management simulation.

INTERNATIONAL BUSINESS AND GLOBAL ECON (03890) **(1/2 credit)**

Grades: 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course
Fee Required

The International Business class is designed to provide student 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.

INTRODUCTION TO BUSINESS (03830) **(1/2 Credit)**

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course
Fee Required

Students will gain a better understanding of the economic resources used in producing goods and services in a global economy. Marketing, entrepreneurship, and financial systems will be taught to enhance the students' knowledge of successful business operations. This course is suggested for students planning to take Marketing in their junior or senior year.

PROFESSIONAL COMMUNICATIONS STRATEGIES (03790) **(1/2 credit)**

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course
No Fee

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 the professional work environment.

PERSONAL FINANCE AND POST-SECONDARY PLANNING (23870) **(1/2 credit)**

Grades: 11, 12
(required for graduation for Class of 2012 and beyond)
Prerequisite Guidelines: *None*

Elective Course/Applied Arts Credit
Fee Required

This course is designed to teach students the essential concepts of personal finance and post-secondary planning. Students will learn a number of financial strategies including: budgeting, savings, investing, credit, and philanthropy. In addition, the course will include post-secondary planning including preparation for college, self-assessment, college application and essay preparation.

BUSINESS TECH (03860) **(1/2 credit)**

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course
No Fee

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. Additionally, students will explore information technology issues related to risk management/security and effective communication strategies.

MARKETING (03910) **(1 credit)**

Grades: 11
Prerequisite Guidelines: *Students must submit an application along with their schedule request form.*

Elective Course
Fee Required

Marketing is a full year course that is open to juniors only. This course is designed to give students interested in business careers a solid foundation in business and marketing. The course is centered on the following functions of marketing: product/service, management, promotion, advertising, pricing, financing, marketing information management, selling and distribution. Students will apply concepts through a variety of projects. The marketing program is responsible for the school store. Marketing students will assist in the responsibilities and operation of their school's store. All students in Marketing are members of DECA. Students in marketing receive priority consideration for the Marketing and Management class (03920H) as seniors.

MARKETING, MANAGEMENT AND ENTREPRENEURSHIP (03920)

(1 credit)

Grades: 12

Elective Course

Prerequisite Guidelines: *Students must submit an application.*

Fee Required

Students who complete the Marketing class as a junior have priority consideration to enroll in this class.

Co requisite: *Concurrent enrollment in Marketing Internship*

The Marketing and Management course is designed to reinforce marketing concepts by applying those skills to the conception and operation of a business. Students in Marketing and Management study marketing concepts from a management perspective. Project management, teamwork, leadership and communication skills are stressed throughout the course. Students will assist in the responsibilities and operations of the school store and have the opportunity to participate in the DECA program, a co-curricular association that focuses on business projects at the district, state and national level. Other highlights include speakers, performing marketing research for area businesses, etiquette luncheon, community service projects, business luncheons, and the Business Hall of Fame and the National DECA conference. See www.deca.org for more information about DECA.

MARKETING INTERNSHIP (03929)

(1 credit)

Grades: 12

Elective Course

Prerequisite Guidelines: *None*

Fee Required

Co requisite: *Concurrent enrollment in Marketing and Management*

Students enrolled in the Marketing and Management class are also enrolled in Marketing Internship. 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

The marketing program consists of two classes: Marketing, for juniors and Marketing and Management, 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 and www.ohiodeca.org for more information about DECA.

ENGLISH

Grade Level	Olentangy Graduation Requirement	Ohio's "Core Curriculum" Recommendation
9	C.P. English 9	C.P. English 9
10	C.P. English 10	C.P. English 10
11	C.P. English 11 OR A.P. Literature & Composition	C.P. English 11 OR A.P. Literature & Composition
12	English 12 OR C.P. English 12 OR A.P. Language & Composition	C.P. English 12 OR A.P. Language & Composition

COLLEGE PREP ENGLISH 9 (05110)

(1 credit)

Grades: 9

Prerequisite Guidelines: *None*

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 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. Regardless, the same curriculum will be taught, no matter the instructional methodology.

**Required Course
Fee Required**

COLLEGE PREP ENGLISH 10 (05210)

(1 credit)

Grades: 10

Prerequisite Guidelines: *none*

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. The reading of a novel will be required in the summer, and the purchase of several paperbacks. Additional written genres will also be practiced.

**Required Course
Fee Required**

HONORS COLLEGE PREP ENGLISH 10 (05215)

(1 credit)

Grades: 10

Prerequisite Guidelines: *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.

**Required Course
Fee Required**

SPEECH (05230)

(1/2 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *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.

**Required Course
No Fee**

COLLEGE PREP ENGLISH 11 (05310)

(1 credit)

Grade: 11

Prerequisite Guidelines: *None*

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 interpretive, analytical, and evaluative 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.

**Required Course
Fee Required**

COLLEGE PREP ENGLISH 12 (05410)**(1 credit)****Grade: 12**
Prerequisite Guidelines: *None***Required Course**
Fee Required

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, and the influence of historical context on the writers of these 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 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 British and World literature. Summer reading is required as is the purchase of several paperback novels.

ENGLISH 12 (05420)**(1 credit)****Grade: 12**
Prerequisite Guidelines: *None***Elective Course**
(replaces C.P. English 12 requirement)
No Fee

This course is designed for students who plan to enter the work force after graduation. The course includes vocabulary study, development of reading comprehension and monitoring strategies, analysis of writing techniques, and use of visual literacy skills through fiction and non-fiction mediums. Writing instruction focuses on functional writing skills, coherent development of ideas, and writing conventions. Students will also research topics, evaluate sources, and compile and present their findings.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (05510)**(1 credit)****Grade: 11**
Prerequisite Guidelines: *"B+" or higher in CP English 10*
*Or a "B-" or higher in Interdisciplinary Studies English 10***Elective Course**
(replaces C.P. English 11 requirement)
Fee Required

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; students enrolled in this class will spend between seven and fourteen hours per week on the coursework. 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)**(1 credit)****Grade 12**
Prerequisite Guidelines: *A "B+" or higher in CP English 11 or a "B-" or higher in AP English Literature***Elective Course**
(replaces C.P. English 12 requirement)
Fee Required

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; students enrolled in this class will spend between seven and fourteen hours per week on the coursework. 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.

ADVANCED SPEECH (05810)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: *"B" or better in Speech or approval of instructor***Elective Course**
No Fee

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. Students will also be introduced to value debate in the Lincoln-Douglas format. This course follows the required speech class.

BIBLE AS LITERATURE (05840)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: *None***Elective Course**
No Fee

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.

BRITISH LITERATURE THROUGH FILM (05850)**(1/2 credit)****Grades: 11, 12**
Prerequisite Guidelines: None**Elective Course**
No Fee

The course focuses on examining various British works through the art of film. Through the series of films, students will study aspects of British literature, culture, and history. The intent of viewing the films is to create further interest in students' reading of the selected works. Student evaluations are based on frequent writing assignments, through which students will improve interpretive, stylistic, and organizational skills.

COLLEGE SURVIVAL SKILLS (05860)**(1/2 credit)****Grades: 11, 12**
Prerequisite Guidelines: None**Elective Course**
Fee Required

This semester course is designed for college-bound students who want to improve their reading speed and comprehension skills. The course will develop stronger college-level study skills including: skimming, scanning, previewing, vocabulary development, concentration, time management, listening, note-taking and study and test-taking skills. Strong emphasis is also placed on college selection and applications, scheduling, campus safety and other skills regarding college life.

ETYMOLOGY (05880)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: None**Elective Course**
Fee Required

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.

CLASSICAL MYTHOLOGY (05890)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: None**Elective Course**
Fee Required

This course focuses on analyzing and evaluating the three major themes of mythology using Greek and Roman myths. This course will include historical background of classical cultures and the effects myths have on our modern vocabulary, literature, communications, and popular culture.

WORLD MYTHOLOGY (05895)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: None**Elective Course**
No Fee

This course focuses on analyzing and evaluating the three major themes of mythology using myths from various cultures around the world. 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)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: None**Elective Course**
No Fee

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)****(1 credit)****Grades: 9, 10, 11**
Prerequisite guidelines: "B" average in the previous core English course**Elective Course**
No Fee

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)

(1 credit)

Grade: 10

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

**Elective Course
No Fee**

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)

(1 credit)

Grades: 11, 12

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

**Elective Course
No Fee**

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)

(1 credit)

Grades: 10, 11, 12

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

**Elective Course
Pay to Play Fee applies**

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)

(1 credit)

Grades: 10, 11, 12

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

**Elective Course
Pay to Play Fee applies**

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

PERSONAL FINANCE AND POST-SECONDARY PLANNING (23870) (1/2 credit)

Grades: 11, 12
(required for graduation for Class of 2012 and beyond)
Prerequisite Guidelines: *None*

Required Course

Fee Required

This course is designed to teach students the essential concepts of personal finance and post-secondary planning. Students will learn a number of financial strategies including: budgeting, savings, investing, credit, and philanthropy. In addition, the course will include post-secondary planning including preparation for college, self-assessment, college application, resumes and essay preparation.

DESIGN (23880) (1/2 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course/Applied Arts Credit
Fee Required

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, and architectural trends. This course is project based.

FOODS FOR FITNESS (23810) (1/2 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course/Applied Arts Credit
Fee Required

This course is for any student who will need to prepare quick meals in college and beyond. Students will select, prepare and meet lifestyle nutritional needs. Areas to be covered include: preparation techniques, sports nutrition, and weight and time management. Food laboratory experiences will be an integral part of this course.

CULTURAL CUISINE (23890) (1/2 Credit)

Grades: 10,11,12
Prerequisite Guidelines: *Foods for Fitness*

Elective Course/Applied Arts Credit
Fee Required

In this course, students will prepare authentic recipes, explore customs and traditions, and evaluate the nutritional content of various foods in order to foster greater cultural awareness. Course activities include taste tests, food labs, and guest speakers.

HUMAN RELATIONSHIPS (23820) (1/2 credit)

Grades: 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course/Applied Arts Credit
Fee Required

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 ways topics will be explored in this course.

ON YOUR OWN (23840) (1/2 credit)

Grades: 11, 12
Prerequisite Guidelines: *None*

Elective Course/Applied Arts Credit
Fee Required

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 I (23910) (1 credit)

Grades: 11, 12
Prerequisite Guidelines: *Application process*

Elective Course/Applied Arts Credit
Fee Required

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 choices. Throughout the course students will create a portfolio of their experiences.

MENTORSHIP II (23920) (1 credit)

Grades: 11, 12
Prerequisite Guidelines: *"B-" or better in Mentorship I or Teacher Academy; Application process*

Elective Course/Applied Arts Credit
Fee Required

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)**(2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *Application process***Elective Course/Applied Arts Credit
Fee Required**

If you are considering education as a college major, this is the course for you. This class is designed as an introduction to the teaching profession. 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 developing 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 as a final project.

College credit maybe available for students who earn an 85 or better on their final portfolio.

SERVICE LEARNING (23930)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *Application process***Elective Course/Applied Arts Credit
Fee Required**

Service Learning is a course designed to provide students with the opportunity to experience hands-on learning through service in the community. Students will identify community and global needs and will research college scholarship opportunities for service. Students will be released to participate in a volunteer experience.

INDUSTRIAL TECHNOLOGY

CAD I (10810)

(1/2 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

**Elective Course/Applied Arts Credit
Fee Required**

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)

(1/2 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *CAD I*

**Elective Course/Applied Arts Credit
Fee Required**

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 applying the learned drafting and CAD skills to challenging engineering and architectural problems. Students will be given problems in which they must create graphical solutions. They are then required to build the solution based on their design. Students will also gain an understanding of how automation is used in industry.

ARCHITECTURAL DRAFTING (10830)

(1/2 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *CAD I*

**Elective Course/Applied Arts Credit
Fee Required**

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)

(1/2 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

**Elective Course/Applied Arts Credit
Fee Required**

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)

(1/2 credit)

Grades: 10, 11, 12
Prerequisite Guidelines: *Engineering I*

**Elective Course/Applied Arts Credit
Fee Required**

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)

(1/2 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *CAD I*

**Elective Course/Applied Arts Credit
Fee Required**

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)

(1/2 credit)

Grades: 10, 11, 12
Prerequisite Guidelines: *Basic Wood Technology*

**Elective Course/Applied Arts Credit
Fee Required**

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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** *Intermediate Wood Technology***Elective Course/Applied Arts Credit
Fee Required**

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)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *None***Elective Course/Applied Arts Credit
Fee Required**

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 college-bound options are:
Algebra I	Geometry, Honors Geometry
Geometry OR Honors Geometry	Algebra II, Honors Algebra II
Algebra II OR Honors Algebra II	Pre-Calculus, Honors Pre-Calculus, Electives
Pre-Calculus OR Honors Pre-Calculus	Calculus, AP Calculus, Discrete Math, AP Statistics

ALGEBRA I (11110)

(1 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

Required Course
No Fee

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.

TI-83+ or TI-84+ calculator required.

ALGEBRA I DOUBLE BLOCK (11110DB)

(1 Math credit and ½ non Math elective credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *None*

Elective Course
(replaces Algebra I requirement)
No Fee

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. **TI-83+ or TI-84+ calculator required.**

GEOMETRY (11210)

(1 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *Algebra I*

Required Course
No Fee

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. **TI-83+ or TI-84+ calculator required.**

GEOMETRY DOUBLE BLOCK (11210DB)

(1 Math credit and ½ non Math elective credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *Algebra I and teacher recommendation*

Elective Course
(replaces Geometry requirement)
No Fee

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. **TI-83+ or TI-84+ calculator required.**

HONORS GEOMETRY (11215)

(1 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *Algebra I and teacher recommendation*

Elective Course
(replaces Geometry requirement)
No Fee

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

INTRO TO ALGEBRA II (11320)

(1 credit)

Grades: 10, 11, 12
Prerequisite Guidelines: *Geometry*

Elective Course
No Fee

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. **TI-83+ or TI-84+ calculator required.**

ALGEBRA II (11310)

(1 credit)

Grades: 9, 10, 11, 12
Prerequisite Guidelines: *Algebra I, Geometry.*

Required Course
No Fee

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. **TI-83+ or TI-84+ calculator required.**

ALGEBRA II DOUBLE BLOCK(11310DB)**(1 Math credit and ½ non Math elective credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Algebra I, Geometry and Teacher Recommendation***Elective Course**
(replaces Algebra II requirement)
No Fee

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. **TI-83+ or TI-84+ calculator required.**

HONORS ALGEBRA II (11315)**(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Algebra I, Geometry and Teacher Recommendation***Elective Course**
(Replaces Algebra II)
No Fee

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

ALGEBRA III (11410)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Algebra II with a "C" or "D" and teacher recommendation. Not open to students with an "A" or "B" in Algebra II.***Elective Course**
No Fee

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. **TI-83+ or TI-84+ calculator required.**

PRE-CALCULUS (11420)**(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Algebra II***Elective Course**
No Fee

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. **TI-83+ or TI-84+ calculator required.**

HONORS PRE-CALCULUS (11425)**(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Algebra II***Elective Course**
No Fee

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

DISCRETE MATH (11430)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Algebra II***Elective Course**
No Fee

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. **TI-83+ or TI-84+ calculator required.**

CALCULUS (11450)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Pre-Calculus***Elective Course**
No Fee

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. **TI-83+ or TI-84+ calculator required.**

ADVANCED PLACEMENT CALCULUS AB (11510)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Pre-Calculus***Elective Course**
Fee Required

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. **TI-83+ or TI-84+ calculator required.**

ADVANCED PLACEMENT CALCULUS BC (11520)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** *AP Calculus AB***Elective Course****Fee Required**

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, L'Hospital's Rule, improper integrals, series of constants and Taylor series. **TI-83+ or TI-84+ calculator required.**

ADVANCED PLACEMENT STATISTICS (11530)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Pre-Calculus; concurrently taking Pre-Calculus or Senior Status***Elective Course****Fee Required**

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. **TI-83+ or TI-84+ calculator required.**

MATHEMATICS – COMPUTER SCIENCE**ADVANCED PLACEMENT COMPUTER SCIENCE (11540)****(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *"B-" or better in Introduction to Computer Science or teacher recommendation***Elective Course****Fee Required**

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.

INTRODUCTION TO COMPUTER SCIENCE (11810)**(1/2 credit)****Grades: 9,10,11,12****Prerequisite Guidelines:** *"C-" or better in Geometry. Concurrent enrollment with Geometry permitted***Elective Course****No Fee**

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

PERFORMING ARTS – BAND

CONCERT/MARCHING BAND (12810)

(1 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *Previous membership or permission of director*

**Elective Course/Fine Arts Credit
Fee required**

This course builds on previous year's 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)

(1/2 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *Audition required*

**Elective Course/Fine Arts Credit
Fee 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)

(1 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *Audition required*

**Elective Course/Fine Arts Credit
Fee 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

MEN'S CHORUS (12910)

(1 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *None*

**Elective Course/Fine Arts Credit
Fee Required**

Students involved in the choir will enjoy a year long 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.

WOMEN'S CHORUS (12920)

(1 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *None*

**Elective Course/Fine Arts Credit
Fee Required**

Students involved in choir will enjoy a year long 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)

(1 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *Audition or Director's Permission*

Co requisite: *Students must enroll in another vocal ensemble other than Show Choir*

**Elective Course/Fine Arts Credit
Fee Required**

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 genre of music. Mandatory performances and rehearsals outside of the school day are required.

ADVANCED SELECT CHOIR (12930)

(1 credit)

Grades: 10, 11, 12

Prerequisite Guidelines: *One year of high school choir and audition*

**Elective Course/Fine Arts Credit
Fee Required**

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)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *One year of high school choir and audition or permission of director***Elective Course/Fine Arts Credit
Fee Required**

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)**(1 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Audition***Co requisite:** *Students must enroll in another vocal ensemble (see Director for details)***Elective Course/Fine Arts Credit
Fee Required**

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)****(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit
No Fee**

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)**(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit
No Fee**

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 an detailed study of music and the student should have some background in traditional music training.

AP MUSIC THEORY (12510)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** *"B-" or better in Music Theory or permission of director.***Elective Course/Fine Arts Credit
Fee Required**

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**ACTING (05950)****(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit
Fee Required**

This course is designed to introduce and familiarize students with theatre arts and acting in particular. The class is a mixture of performance, participation activities and script reading making it an excellent course for those who wish to overcome stage fright. The course focuses on characterization, movement and vocal interpretation to build a foundation for acting. In addition, an overview of theatre history through dramatic literature, a study of the role of theatre within society and theatre appreciation and etiquette will be taught during the course. Mandatory course requirement: Practicum hours served outside the regular school day.

ADVANCED ACTING (05960)**(1/2 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *"B" or better in acting***Elective Course/Fine Arts Credit
Fee Required**

This course is for the advanced actor. Multiple forms of drama will be explored through varied performance styles, including Shakespearean, Greek, and modern. This course places a heavy emphasis on performance. Students will be required to attend a show outside of the regular school day. This course can be repeated for credit.

STAGECRAFT (05970)**(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *None***Elective Course/Fine Arts Credit
Fee Required**

This course is designed to introduce students to technical theatre, the "behind-the-scenes" work that goes into a theatrical production. Students will

study how technical elements are important to theatre productions and implement their knowledge with hands-on activities and projects. Mandatory course requirements: practicum hours may be required outside regular school day.

ADVANCED STAGECRAFT (05980)

(1/2 credit)

Grades: 10, 11, 12

Prerequisite Guidelines: *Stagecraft and teacher recommendation*

**Elective Course/Fine Arts Credit
Fee Required**

This course is designed to strengthen expertise in technical theatre and is meant for the serious theater technician. Design implementation and stage management comprise the bulk of the class. Students will gain in-depth exposure to theatre equipment and will aid in the production of school shows. Course may be repeated for additional credit.

MUSICAL THEATRE (12860)

(1/2 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *Acting*

**Elective Course/Fine Arts Credit
No Fee**

This survey course will cover the history of the American Musical Theatre and will prepare the serious theatre student for the audition and rehearsal process involved with musical theatre presentations. Students will explore the development of the musical from its beginnings in the early days of Broadway to its contemporary classics. Participants will also learn acting and singing techniques especially for the musical theatre. A variety of choreography workshops may be interspersed throughout the course to acquaint the student with the dancing aspects related to musical theatre. A fee may be required to cover choreography expenses.

PERFORMING ARTS – ORCHESTRA

ORCHESTRA (12830)

(1 credit)

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *None*

**Elective Course/Fine Arts Credit
Fee Required**

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

PE WAIVER

In accordance to Section 3313.603 of the Ohio Revised Code, students in grades 9-11 may be excused from all physical education course requirements by participating in District-sponsored interscholastic athletics, marching band, cheerleading, or JROTC for at least two seasons (or two full years for JROTC). Students in grade 12 who have not completed the waiver requirements or taken a physical education course, will be automatically enrolled in physical education their senior year. The Olentangy Local School board shall not require the student to participate in a physical education course as a condition to graduate. However, the student shall be required to complete one half-unit, consisting of at least 60 hours of instruction, in another course of study. Eligible students must complete the district PE Waiver Intent form before the start of the activity season. Forms are available at the District Central Office, high school guidance office, or on the district website.

PHYSICAL EDUCATION/DUAL/INDIVIDUAL ACTIVITIES AND FITNESS (08110AB) (1/4 credit)

Grades: 9, 10

Prerequisite Guidelines: *None*

**Required Course
Fee Required**

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) (1/4 credit)

Grades: 9, 10

Prerequisite Guidelines: *None*

**Required Course
Fee Required**

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) (1/4 credit)

Grades: 9, 10

Prerequisite Guidelines: *None*

**Required Course
Fee Required**

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, tae-bo, 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.

HEALTH (08210) (1/2 credit)

Grades: 9, 10

Prerequisite Guidelines: *None*

**Required Course
Fee Required**

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) (1/4 credit)

Grades: 11, 12

Prerequisite Guidelines: *Physical Education II and teacher recommendation*

**Elective Course
Fee Required**

Students may take this course for more than one semester. This course is open to grades 11 and 12 and includes conditioning, weight lifting and body coordination activities. Due to the strenuous nature of this course, it is strongly recommended that students have a physical examination prior to the beginning of the course (an athletic physical card meets this recommendation).

PHYSICAL EDUCATION ELECTIVE (08820) (1/4 credit)

Grades: 11, 12

Prerequisite Guidelines: *"B" or better average in Physical Education II and teacher recommendation*

**Elective Course
Fee Required**

This course is open to any junior or senior who has completed his or her freshman and sophomore 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.

LIFETIME FITNESS I (08110D) (1/4 credit)

Grades: 09, 10, 11, 12

Location: All Classes Will Meet Off-Campus

**Elective Course
Fee Required**

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 on the web site: oohs.olentangy.k12.oh.us/teachers/elaine_eddy ATTENDANCE OF ALL CLASSES IS MANDATORY.

LIFETIME FITNESS II (08110E) (1/4 credit)

Grades: 09, 10, 11, 12

Location: All Classes Will Meet Off-Campus

**Elective Course
Fee Required**

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 on the web site: oohs.olentangy.k12.oh.us/teachers/elaine_eddy ATTENDANCE OF ALL CLASSES IS MANDATORY.

SCIENCE

Grade Level	Olentangy Graduation Requirement	Ohio's "Core Curriculum" Recommendation
9	Physical Science OR Honors Physical Science	Physical Science OR Honors Physical Science
10	Biology OR Honors Biology	Biology OR Honors Biology
11	A third lab science course, usually Chemistry OR Earth Science	Chemistry OR Honors Chemistry
12		Physics OR Anatomy & Physiology OR Advanced Placement Science course

PHYSICAL SCIENCE (13110)

(1 credit)

Grades: 9
Prerequisite Guidelines: *None*

Required Course
Fee Required

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

HONORS PHYSICAL SCIENCE (13115)

(1 credit)

Grades: 9
Prerequisite Guidelines: *Concurrent enrollment in Geometry or higher, "A-" or higher in previous science course. Teacher recommendation*

Required Course
(replaces Physical Science requirement)
Fee Required

The content of this course includes an introduction to physics (motion, forces, 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)

(1 credit)

Grades: 10, 11, 12
Prerequisite Guidelines: *None*

Required Course
Fee Required

The content of this course will include the study of Animal/Plant systems and Ecology, Biochemistry and the cell, biology Process and Genetics and Evolution. Lab activities will introduce, support, and apply concepts.

HONORS BIOLOGY (13215)

(1 credit)

Grades: 10, 11, 12
Prerequisite Guidelines: *"A-" or above in Physical Science "B" or above in Honors Physical Science. Teacher recommendation*
Honors Chemistry may be taken concurrently with teacher recommendation.

Required Course
(replaces Biology requirement)
Fee Required

The content of this course will include the study of Animal/Plant systems and Ecology, Biochemistry and the cell, biology Process and Genetics and Evolution. 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)

(1 credit)

Grades: 10, 11, 12
Prerequisite Guidelines: *"C" or above in the previous science course*
Corequisite: *Concurrent enrollment in Algebra II or higher*

Elective Course
Fee Required

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)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** "A-" or better in Biology "B" or better in Honors Biology. Teacher recommendation Honors Biology may be taken concurrently with teacher recommendation
Corequisite: concurrent enrollment in Algebra II or higher**Elective Course
Fee Required**

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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** none
Corequisite: Concurrent enrollment in Algebra II or higher.**Elective Course
Fee Required**

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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** "B-" or better in previous science course
Corequisite: Concurrent enrollment in Precalculus or higher**Elective Course
Fee Required**

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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** Biology, Chemistry (or concurrent enrollment), at least a "B" in the previous science course**Elective Course
Fee Required**

The content of this course will include the study of body systems, their functions and homeostasis. This course is especially recommended to students wishing to continue their education in the health and medical fields. A significant portion of the year will center on the dissection of cats.

EARTH AND SPACE SCIENCES (13820)**(1 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** Teacher Recommendation**Elective Course
Fee Required**

The content of this course will include the study of geology, meteorology, oceanography, astronomy, and hydrology. Activity manual/workbook may be required at an additional fee.

ADVANCED PLACEMENT BIOLOGY (13510)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** "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.**Elective Course
Fee Required**

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, plant and animal systems, 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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** "B" or better in Honors Chemistry or "A-" or better in Chemistry, and Algebra II. Teacher recommendation**Elective Course
Fee Required**

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, electrochemistry, and organic chemistry. 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 C: MECHANICS (13530H)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** "A" or "B" in previous science course**Corequisite:** Concurrent enrollment in calculus or teacher recommendation**Elective Course****Fee Required**

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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** "B-" or better in previous science course; Chemistry or concurrent enrollment**Elective Course****Fee Required**

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. This course will meet seven periods each week. 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

Grade Level	Olentangy Graduation Requirement and Ohio's "Core Curriculum Recommendation"
9	World History 1750 – Present Honors World History 1750-Present
10	US History 1877- Present OR A.P. US History
11	Two Electives OR A.P. US History
12	U.S. Government OR A.P. U.S. Government

WORLD HISTORY 1750-PRESENT (15210)

(1 credit)

Grades: 9
Prerequisite Guidelines: *None*

Required Course
No Fee

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, the Rise of Communism, two World Wars, the Cold War, and Contemporary Issues of today. Historical review and research will also 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. Regardless, the same curriculum will be taught, no matter the instructional methodology.

HONORS WORLD HISTORY 1750-PRESENT (15215)

(1 credit)

Grades: 9
Prerequisite Guidelines: *A or B in Social Studies and ELA*

Required Course
No Fee

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

U.S. HISTORY 1877-PRESENT (15220)

(1 credit)

Grades: 10
Prerequisite Guidelines: *None*

Required Course
No Fee

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 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. Regardless, the same curriculum will be taught, no matter the instructional method.

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

(1 credit)

Grades: 10
Prerequisite Guidelines: *A or B in Social Studies and ELA*

Required Course
No Fee

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

U.S. GOVERNMENT (15410)

(1/2 credit)

Grades: 12
Prerequisite Guidelines: *None*

Required Course
Fee Required

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)**(1 credit)****Grades: 12****Prerequisite Guidelines:** *"B" or better in US History and "B" or better in CP English 11***Elective Course
Fee Required**

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)**(1 credit)****Grades: 10, 11****Prerequisite Guidelines:** *"B" or better in World Studies or US History and "B" or better in CP English 9 or 10***Elective Course
Fee Required**

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 20th 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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** *"B" or better in current CP English and in current social studies***Elective Course
Fee Required**

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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** *"B" or better in current CP English and in current social studies course, and Algebra II.***Elective Course
Fee Required – Cost of
2 Separate AP Tests**

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)**(1 credit)****Grades: 11, 12****Prerequisite Guidelines:** *"B" or better in current CP English and in current social studies course. "B" or better in Interdisciplinary Studies strongly recommended.***Elective Course
Fee Required**

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.)

CRIMINAL AND CIVIL LAW (15810)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *None***Elective Course****No Fee**

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.

ECONOMICS (15850)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *None***Elective Course****No Fee**

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.

PSYCHOLOGY (15820)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *None***Elective Course****No Fee**

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)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *None***Elective Course****No Fee**

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 form the fabric of today's and tomorrow's society.

WORLD RELIGIONS (15840)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *None***Elective Course****No Fee**

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

ART I (02110)**(1/2 credit)****Grades: 9, 10, 11, 12**
Prerequisite Guidelines: None**Elective Course/Fine Art**
Fee Required

This course is designed as a general survey course encompassing a variety of content areas. Emphasis will be placed on developing an understanding of visual expression and response through vocabulary, art history, methods, techniques, skills, and basic art fundamentals.

CERAMICS I (02210)**(1/2 credit)****Grades: 9, 10, 11, 12**
Prerequisite Guidelines: Art I**Elective Course/Fine Art**
Fee Required

A course designed to offer a basic understanding of an amazingly versatile medium. Emphasis is placed on various hand-building methods and technical aspects involved.

CERAMICS II (02220)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: Ceramics I**Elective Course/Fine Art**
Fee Required

An advanced course based on becoming skilled and productive in the various methods of hand-building and throwing with clay. Emphasis is placed on formal, practical, and creative aspects involved in the forming methods and glazing techniques.

CERAMICS III (02240)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: Ceramics II**Elective Course/Fine Art**
Fee Required

This course further explores the student's unique style. Students will be encouraged to explore their technique with consideration of aesthetics to further investigate the ceramic field.

CERAMICS IV (02250)**(1/2 credit)****Grades: 11, 12**
Prerequisite Guidelines: Ceramics III**Elective Course/Fine Art**
Fee Required

The study of clay and glazes is further explored at this highest level of ceramics. Students will become skilled in the creation of involved projects that encompass the thrown form with hand-built elements. Personal voice will be encouraged with emphasis on the visual impact ceramics play in society.

SCULPTURE I (02230)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: None**Elective Course/Fine Art**
Fee Required

This course encompasses both sculptural methods, additive and subtractive, to create forms. Emphasis is placed on understanding the 3-dimensional realm of form in addition to sculptural elements, design, and technology.

SCULPTURE II (02260)**(1/2 credit)****Grades: 10, 11, 12**
Prerequisite Guidelines: Sculpture I**Elective Course/Fine Art**
Fee Required

This course provides in-depth creation of abstract and realistic objects by further exploring 3-dimensional forms. Students will communicate their understanding of the sculptural process through their advanced technical and visual skills while also incorporating the social, historical, as well as, artistic.

COMPUTER GRAPHICS I (02310)**(1/2 credit)****Grades: 9, 10, 11, 12**
Prerequisite Guidelines: Art I**Elective Course/Fine Art**
Fee Required

This course offers an introduction to the world of computer-generated art. Using various graphic programs, works of art can be created with ease and precision in a fraction of the time it would take using traditional techniques. Emphasis will be placed on object construction, an understanding of computer-generated animations, and 3-D ray traced images.

COMPUTER GRAPHICS II (02320)**(1/2 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Computer Graphics I***Elective Course/Fine Art
Fee Required**

This course offers exploration into the world of computer-generated art. Designed to concentrate on the more advanced uses of define surface properties, object construction, key frame positioning, lights, and camera controls to render ray-traced stills and generated animations. It will incorporate a variety of programs and the importing and exporting functions to achieve the desired results.

COMPUTER GRAPHICS III (02330)**(1/2 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Computer Graphics II***Elective Course/Fine Art
Fee Required**

This course is an advanced class designed to dwell in the world of computer-generated art based on the formation and use of various objects in different software programs. The use of 3-D modeling of textures, morphing, and other special effects coupled with key frame-based animations to create realistic full- color images and animations.

COMPUTER GRAPHICS IV (02340)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *Computer Graphics III***Elective Course/Fine Art
Fee Required**

An advanced graphics course with emphasis placed on becoming skilled and productive in the 3-D world of ray-traced animations and graphics. Techniques are based on object parenting, choreograph object movement, and hierarchical motion together with camera options, depth of field, sound, and motion blur.

DRAWING I (02410)**(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Art I***Elective Course/Fine Art
Fee Required**

The emphasis of this course is concrete academic fundamentals and the creative aspects of drawing. It is designed to reflect the extensive range of drawing and the unique importance it holds as a service to other disciplines of art.

DRAWING II (02420)**(1/2 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Drawing I***Elective Course/Fine Art
Fee Required**

A course designed to work toward evolving personal styles that reflect an individual awareness and knowledge of design and composition. Emphasis is placed on the expressive and organizational power of the elements of art and the principles of design, as well as the technical characteristics of the media.

DRAWING III (02430)**(1/2 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Drawing II***Elective Course/Fine Art
Fee Required**

An advanced drawing course based on the further development of a personal style in drawing. Emphasis is placed on formal, practical, and creative aspects involved in composition and expressive techniques necessary to evoke emotions or feelings.

DRAWING IV (02440)**(1/2 credit)****Grades: 11, 12****Prerequisite Guidelines:** *Drawing III***Elective Course/Fine Art
Fee Required**

An advanced drawing course based on an in-depth concentration into a particular medium or concern. The course focuses on the processes of investigation, growth, and discovery. The concentration consists of a series of studies that lead up to finished works.

JEWELRY I (02610)**(1/2 credit)****Grades: 9, 10, 11, 12****Prerequisite Guidelines:** *Art I***Elective Course/Fine Art
Fee Required**

An introduction to jewelry design based on sheet construction, focusing on the concepts of metalworking: cutting, and finishing. Emphasis is placed on the organizational and expressive power of design elements and principles, as well as the technical characteristics of the medium and tools.

JEWELRY II (02620)**(1/2 credit)****Grades: 10, 11, 12****Prerequisite Guidelines:** *Jewelry I***Elective Course/Fine Art
Fee Required**

This is an advanced course of jewelry design. Emphasis is based on a more technically demanding approach to the practicality of jewelry design, and construction.

JEWELRY III (02630) **(1/2 credit)**

Grades: 10, 11, 12

Prerequisite Guidelines: *Jewelry II*

Elective Course/Fine Art

Fee Required

An advanced course based on a concentration in copper enameling and precious metal clay. Emphasis is based on concept and execution of jewelry design, construction, and the technical aspects involved, ranging from the simple to complex.

PAINTING I (02710) **(1/2 credit)**

Grades: 10, 11, 12

Prerequisite Guidelines: *Drawing I*

Elective Course/Fine Art

Fee Required

This course is designed to create a greater awareness of the fundamental techniques and approaches to painting as well as focusing on materials, mediums, and their effective use in painting.

PAINTING II (02720) **(1/2 credit)**

Grades: 10, 11, 12

Prerequisite Guidelines: *Painting I*

Elective Course/Fine Art

Fee Required

A course where emphasis is placed on a more technically demanding approach to painting, with the intent to further develop a personal style of expression. Increased emphasis is placed on an individual awareness and knowledge of design, color, and composition.

PAINTING III (02730) **(1/2 credit)**

Grades: 10, 11, 12

Prerequisite Guidelines: *Painting II*

Elective Course/Fine Art

Fee Required

An advanced painting course based on the further development of a personal style in painting. Emphasis is placed on formal, practical and creative aspects involved in various brush and painting techniques.

PAINTING IV (02740) **(1/2 credit)**

Grades: 11, 12

Prerequisite Guidelines: *Painting III*

Elective Course/Fine Art

Fee Required

An advanced painting course based on an in-depth concentration into a particular medium or concern. The course focuses on a process of investigation, growth, and discovery. The concentration consists of a series of studies that lead up to finished works.

PHOTOGRAPHY I (02810) **(1/2 credit)**

Grades: 9, 10, 11, 12

Prerequisite Guidelines: *Art I*

Elective Course/Fine Art

Fee Required

This course is designed to offer the basic understanding of the complete photographic process - from the moment light goes through the lens to the time a finished print is made. The course focuses on basic techniques in shooting and printing. A camera is required, ask your art department teachers about camera details.

PHOTOGRAPHY II (02820) **(1/2 credit)**

Grades: 10, 11, 12

Prerequisite Guidelines: *Photography I*

Elective Course/Fine Art

Fee Required

This is an advanced course utilizing a variety of photographic methods. Emphasis is placed on special and creative techniques, offering a wide variety of effects. A camera is required, ask your art department teachers about camera details.

DIGITAL IMAGING (02830) **(1/2 credit)**

Grades: 10, 11, 12

Prerequisite Guidelines: *Art I*

Elective Course/Fine Art

Fee Required

A course designed to explore the principles and elements of design through various digital processes. With the focus on visual communication theory, students will learn techniques used for manipulating images, designs, and concepts in a digital format.

ADVANCED PLACEMENT ART HISTORY (02510) **(1 credit)**

Grades: 11, 12

Prerequisite Guidelines: *"A" or "B" in previous English Level or Teacher's Recommendation*

Elective Course/Fine Art

Fee Required

AP Art History is designed to be the equivalent of an Art History Humanities course usually taken the first year of college. This course examines the major forms of artistic expression through the history of Western Civilization. Students will critically examine, reflect upon, and analyze selected pieces of artwork.

WORLD LANGUAGES

FRENCH I (06110)	(1 credit)
Grades: 9, 10, 11, 12 Prerequisite Guidelines: <i>None</i>	Elective Course Fee Required
Grammatical structures, vocabulary and culture topics of immediate interest and use are introduced. Listening, speaking, reading, writing, and culture are all integral parts of the course. Aspects of daily life in France are introduced, as well as important contributions of the French-speaking world.	
FRENCH II (06120)	(1 credit)
Grades: 9, 10, 11, 12 Prerequisite Guidelines: <i>"C" or better in French I or teacher recommendation</i>	Elective Course Fee Required
In French II students continue to study the language through the context of real-life situations that are encountered in French-speaking countries. Listening, speaking, reading and writing, as well as culture, are all integral parts of the course. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use French to communicate in this class.	
FRENCH III (06130)	(1 credit)
Grades: 10, 11, 12 Prerequisite Guidelines: <i>"C" or better in French II or teacher recommendation</i>	Elective Course Fee Required
In French III students apply and expand upon the vocabulary and grammatical structures presented in levels I & II. They also explore the cultures of the French-speaking world. Mastery of concepts at this level is critical for advancement to the next. College-bound students are strongly encouraged to continue language study throughout their years in high school. Students are expected to use French to communicate in this class.	
FRENCH IV (06140)	(1 credit)
Grades: 11, 12 Prerequisite Guidelines: <i>"C" or better in French III or teacher recommendation</i>	Elective Course Fee Required
This course offers a systematic and comprehensive review of French grammar and vocabulary in order to reinforce prior learning and provide opportunities to improve speaking and writing skills. The course includes a survey of the history, literature, and arts of France. College-bound students are strongly encouraged to continue their language studies throughout high school in order to achieve a higher level of proficiency. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use French to communicate in this class.	
FRENCH V (06150)	(1 credit)
Grades: 12 Prerequisite Guidelines: <i>"C" or better in French IV or teacher recommendation</i>	Elective Course Fee Required
This course offers a systematic and comprehensive review of French grammar and vocabulary. French V is designed to increase proficiency in all language skills and to prepare students for college language placement. The survey of French history and literature is completed. College-bound students are strongly encouraged to continue their language studies throughout high school in order to achieve a higher level of proficiency. Students are expected to use French to communicate in this class.	
GERMAN I (06210)	(1 credit)
Grades: 9, 10, 11, 12 Prerequisite Guidelines: <i>None</i>	Elective Course Fee Required
This course introduces grammatical structures, vocabulary, and culture topics of immediate interest and use. Listening, speaking, reading, writing, and culture are all integral parts of the course. Aspects of daily life in Germany, Austria, and Switzerland, are introduced, as well as important contributions of the German-speaking world.	
GERMAN II (06220)	(1 credit)
Grades: 9, 10, 11, 12 Prerequisite Guidelines: <i>"C" or better in German I or teacher recommendation</i>	Elective Course Fee Required
German II students continue to study the language through the context of real-life situations that are encountered in German-speaking countries. The four language skills (listening, speaking, reading, and writing) and culture are integrated throughout the course. There is a strong emphasis on oral communication and grammatical structures. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use German to communicate in this class.	
GERMAN III (06230)	(1 credit)
Grades: 10, 11, 12 Prerequisite Guidelines: <i>"C" or better in German II or teacher recommendation</i>	Elective Course Fee Required
In German III students continue to study basic vocabulary, grammatical structures, and the everyday culture of the German-speaking world. Listening, speaking, reading and writing as well as culture are all integral parts of the course. The integration of vocabulary and grammar in written and oral expression is emphasized. College-bound students are strongly urged to continue language study throughout their high school years in order to attain a higher level of proficiency. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use German to communicate in this class.	
GERMAN IV (06240)	(1 credit)
Grades: 11, 12 Prerequisite Guidelines: <i>"C" or better in German III or teacher recommendation</i>	Elective Course Fee Required
A systematic and comprehensive review of German grammar will reinforce prior learning and provide opportunities to improve speaking and writing skills. Reading selections will range from short classical selections to samples of modern writings. Supplemental materials will provide information about culture and current German thought. College-bound students are strongly encouraged to continue their language studies throughout high school in order to achieve a higher level of proficiency. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use German to communicate in this class.	

GERMAN V (06250) (1 credit)
Grades: 12
Prerequisite Guidelines: "C" or better in German IV or teacher recommendation
Elective Course Fee Required
German V is designed to increase proficiency in all language skills and prepare students for college-level placement. Previously learned grammar will be reviewed and incorporated into daily classroom usage. More advanced readings will be assigned covering history, literature, and other aspects of German culture. College-bound students are strongly encouraged to continue their language studies throughout high school in order to achieve a higher level of proficiency. Students are expected to use German to communicate in this class.

AP GERMAN (06520) (1 credit)
Grades: 12
Prerequisite Guidelines: "C" or better in German IV or teacher recommendation
Elective Course Fee Required
This course is designed for students in their fifth year of language study who have a strong desire to enhance and strengthen their German language communicative skills (speaking, listening, reading and writing) as well as to extend their cultural knowledge. Advanced Placement German will use a communicative approach with various authentic media (*film, video broadcasts, internet, pod casts, literary works, magazines, CD's, MP3 downloads, and materials provided by a college-level textbooks series*). There is a comprehensive review and expansion of grammatical concepts and conversational skills, the study and practice of essay writing, the analysis and discussion of texts, in order to enable students to succeed on the AP German Language Exam with a high degree of language competency/proficiency. Students are expected to use German to communicate in this class. Students are expected to take the Advanced Placement Language Exam in May.

SPANISH I (06310) (1 credit)
Grades: 9, 10, 11, 12
Prerequisite Guidelines: None
Elective Course Fee Required
This course introduces grammatical structures, vocabulary, and culture topics. Listening, speaking, reading, writing, and culture are all integral parts of the course. Aspects of daily life in Hispanic countries are introduced, as well as important contributions of the Spanish-speaking world.

SPANISH II (06320) (1 credit)
Grades: 9, 10, 11, 12
Prerequisite Guidelines: "C" or better in Spanish I or teacher recommendation
Elective Course Fee Required
Spanish II students continue to study the language through the context of real-life situations that are encountered in Hispanic countries. The four language skills (listening, speaking, reading, and writing) and culture are integrated throughout the course. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use Spanish to communicate in this class.

SPANISH III (06330) (1 credit)
Grades: 10, 11, 12
Prerequisite Guidelines: "C" or better in Spanish II or teacher recommendation
Elective Course Fee Required
In Spanish III students apply and expand upon vocabulary and grammatical structures learned in the earlier levels. Spanish III is considered a college-prep class. Students are assessed and evaluated on the main language skills (listening, speaking, reading, and writing) and culture. Mastery of concepts at this level is critical for advancement to the next. College-bound students are strongly urged to continue language study throughout their high school years in order to attain a higher level of proficiency. Students are expected to use Spanish to communicate in this class.

SPANISH IV (06340) (1 credit)
Grades: 11, 12
Prerequisite Guidelines: "C" or better in Spanish III or teacher recommendation
Elective Course Fee Required
This course offers a systematic review of Spanish grammar and vocabulary in order to reinforce prior learning through speaking, reading, writing, listening and culture. This course includes a survey of the history, literature, and culture of Spain and Latin America. Spanish IV prepares students for college placement. College-bound students are strongly encouraged to continue their language studies throughout high school in order to achieve a higher level of proficiency. Mastery of concepts at this level is critical for advancement to the next. Students are expected to use Spanish to communicate in this class.

AP SPANISH (06510) (1 credit)
Grades: 12
Prerequisite Guidelines: "C" or better in Spanish IV or teacher recommendation
Elective Course Fee Required
This course is designed for students in their fifth year of language study who have a strong desire to enhance and strengthen their Spanish language communicative skills (speaking, listening, reading, and writing) as well as to extend their cultural knowledge. Advanced Placement Spanish will use a multi-media approach such as *authentic films, internet, pod casts, literary works, soap opera in target language, magazines, community newspapers, CD's, DVD's, MP3 downloads and websites provided by AP textbook series*. The course includes a comprehensive review of grammatical structures and concepts, conversation tables, the study and practice of essay writing and translation, and analysis and discussion of authentic language texts/materials in order to enable students to succeed on the AP Spanish Language Exam with a high degree of language competency/proficiency. Students are expected to use Spanish to communicate in this class and students are expected to take the Advanced Placement Language Exam in May.

AEROSPACE SCIENCE (AIR FORCE JUNIOR ROTC)

Air Force Junior ROTC is a citizenship- and character-building program offered at R.B. Hayes High School and available to students of Hayes, Olentangy, Olentangy Liberty, Olentangy Orange, Buckeye Valley, and Big Walnut High Schools. Chartered by Congress in 1966, Junior ROTC units are charged with integrating programs of aerospace education, citizenship-, leadership- and team-building skills and 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 elective coursework in the science and history of aviation, the exploration of space, and global studies, astronomy, and survival skills. The program offers extensive extracurricular activities such as field trips, interscholastic drill and air rifle marksmanship teams, rocket club, and community service projects.

Aerospace Science 1: Science of Flight and Leadership 1 - 1st Sem. (Elective)

Credit: ½ C.U.

Aerospace Science 1: Science of Flight and Leadership 1 - 2nd Sem. (Elective)

Credit: ½ C.U.

Offered alternate years with History of Flight. 40% of the course is a study of weather elements and basic forecasting systems, the physiology of flight, impacts on the human body, aerospace medicine-special physical needs to cope in flight, and protective equipment. Investigates the forces that enable flight, aerodynamics and propulsion systems. Introduces elements of navigation, map reading, course plotting, 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 basic aspects of drill and ceremonies to include traditional customs and courtesies, flag honors, drill and ceremonies, drill positions and movements, drill leadership, marching movements, and organizing and leading parades, retreats, and color guards. Evaluation is divided into academic, marching, and performing ceremonies in the community. 20% of the course is oriented to fitness and wellness.

\$25 Activity Fee Annually

Aerospace Science 2: History of Flight & Leadership 2 - 1st Sem. (Elective)

Credit: ½ C.U.

Aerospace Science 2: History of Flight & Leadership 2- 2nd Sem. (Elective)

Credit: ½ C.U.

Offered alternate years with Science of Flight. 40% of the course is a study of aviation from ancient myths through pioneers in ballooning 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, and the Vietnam Wars. Examines conflicts such as Desert Storm, stealth technology, Space Shuttle/Station Programs, War on Terrorism, and Iraqi Freedom. 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 the basic aspects of drill and ceremonies to include traditional customs and courtesies, flag honors, drill and ceremonies, drill positions and movements, drill leadership, marching movements, and organizing and leading parades, retreats, and color guards. Evaluation is divided into academic, marching, and performing ceremonies in the community. 20% of the course is oriented to fitness and wellness.

\$25 Activity Fee Annually

Aerospace Science 3 & Leadership 3 - 1st Sem. (Elective)

Credit: ½ C.U.

Aerospace Science 3 & Leadership 3 - 2nd Sem. (Elective)

Credit: ½ C.U.

Cadet consensus determines whether Aerospace content (40%) will focus on Space Exploration, Global Studies, Astronomy, or Survival Skills with the stipulation the focus will be one of the three options different from the preceding year's option. Space Exploration covers space environment, physical requirements for human survival in space, human, satellite, and interplanetary probe programs, development of space stations and current use of the space shuttle. Global Studies examines earth make-up, relationships between people, cultures and environments, similarities and differences among places and physical and human processes, dangers of pollution, population explosion, and depletion of Earth's natural resources, and how global events affect our physical world. Astronomy features basic astrophysics, the study of the solar system, galaxies, and theories of the nature, history, and destiny of the universe. 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 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.

Prerequisite: Science of Flight and/or History of Flight

\$25 Activity Fee Annually

Aerospace Science 4 & Leadership 4- 1st Sem. (Elective)

Credit: ½ C.U.

Aerospace Science 4 & Leadership 4 -2nd Sem. (Elective)

Credit: ½ C.U.

Cadet consensus determines whether Aerospace content (40%) will focus on Space Exploration, Global Studies, Astronomy, or Survival Skills with the stipulation the focus will be one of the three options different from the preceding year's option. Space Exploration covers space environment, physical requirements for human survival in space, human, satellite, and interplanetary probe programs, development of space stations and current use of the space shuttle. Global Studies examines earth make-up, relationships between people, cultures and environments, similarities and differences among places and physical and human processes, dangers of pollution, population explosion, and depletion of Earth's natural resources, and how global events affect our physical world. Astronomy features basic astrophysics, the study of the solar system, galaxies, and theories of the nature, history, and destiny of the universe. 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.

Prerequisite: Science of Flight and/or History of Flight

\$25 Activity Fee Annually

AFJROTC Summer Leadership School (Off-Campus Summer Elective)

Credit: ½ C.U.

This is a 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 facilities and funding opportunities.**

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 approval of the Senior Aerospace Science Instructor.

Fee required, varies annually, announced in April

Introduction to Delaware Area Career Center

Mary Beth Freeman, Superintendent

Mary Titus, Director

Tammy Hall, Director

R. Dale Hayes, Director

Anne Wisniewski, Pupil Services Supervisor

North Campus
1610 St. Rt. 521
Delaware, OH 43015
PHONE
FAX

South Campus
4565 Columbus Pike
Delaware, OH 43015
740.363.1993 or 740.548.0708
740.362.6461 or 740.548.0710

Vision: The Delaware Area Career Center is the resource for multi-generational career enrichment and educational opportunities.

Mission: The Delaware Area Career Center, in partnership with community, is an innovative model for developing lifelong learners, quality leaders, and critical thinkers for the dynamic and global environment.

North Campus Programs

Automotive Essentials
Automotive Technology**
Career Focused Sophomore Program*
Career Graphics
Construction Technology**
Cosmetology+**
Culinary Arts**
Early Childhood Education**
Facility Maintenance
Fire Service Training
Landscaping and Turf Management
Power Line Technician
Power Sports and Diesel Technology
Welding and Sheet Metal Fabrication**

South Campus Programs

Business Management (dual credit option)**
Dental Assisting**
Electronics**
Environmental Technology**
Food Service
Health Technology**
Information Technology Academy**
Law Enforcement**
Medical Office**
Pre-Professional Internship Program**
Teacher Academy**

Off-site programs

Columbus Zoo and Aquarium School**
Equine Science (at the Delaware County Fairgrounds)**
Hospitality (at Willowbrook Christian Village)

Key

* a one-year program for sophomores
**college tech prep
+ full-day program, no half-day option

Delaware Area Career Center affirms that no person shall, on the basis of age, gender, race, color, national origin, religion or creed, pregnancy, handicap or disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity conducted under its auspices. Neither the Board nor its employees shall discriminate against any student or individual entitled to participate in the educational program or activities offered by the District, or in the employment or treatment of school district personnel.

What kind of student attends the Career Center?

Delaware Career Center offers something for every type of student. Whether you learn better with real life, hands-on activities, you want to develop life skills to be prepared for life after high school, you want to get a jump start on college by earning college credits during high school or you want to be prepared for new and emerging careers, the Career Center has a program that's right for you.

What are classes like at the Career Center?

As a student at the Delaware Career Center, you will spend half of the day with your lab, focusing on your career pathway and getting the real life experiences that will prepare you for your post-secondary education and future career. The other half of the day is either spent taking academic classes at the Career Center or returning to your member school to take your academic classes there.

How does attending the Career Center benefit me?

Programs at the Career Center are focused on preparing you for post-secondary education and your future career. As a student, you will get hands-on experience that will help you make important life decisions as you continue on your career pathway. Many of our programs offer you the chance to earn industry certifications that will boost your college application and your resume. Some labs also offer the chance to earn college credits, saving you money on college tuition.

What if I am not ready to leave my friends?

As a partner to your member school, the Career Center encourages students to stay active with and participate in member school activities.

Can I still play sports and participate in extra-curricular activities if I attend the Career Center?

Your participation in sports and extra-curricular activities is vital to your high school experience. Both half-day and full-day students are encouraged to participate in all of the after school activities their member school has to offer and we supply you with plenty of time at the end of the day to return to your home school for those events.

Will I still graduate with my friends?

Yes! The Career Center partners with your member school to provide you with additional options based on your career choice. You will earn your member school diploma when you graduate, but you will also receive a Career Passport documenting the successful completion of your Career Center program.

Is the Career Center a reputable option?

94% of our graduates are employed, attending college or serving in the military

60% of our graduates are currently attending college

We are nationally recognized and ranked #1 in total percentage points on state performance measures out of the 49 Ohio career center schools.

Academic Course Descriptions

Science

Anatomy and Physiology – 1 credit

This course covers the structure and function of the major systems of multi-cellular organisms. Study emphasizes the systems of the human body with comparisons to the systems of other multi-cellular animals. (College credit available for qualified students)

Biology – 1 credit

Biology provides students with an understanding of the fundamental concepts and processes of life. A sampling of biological topics would include: cells, genetics, human biology, botany, diversity of life, and natural selection.

Chemistry – 1 credit

This course relates to the basic concepts of the composition of matter at an atomic and molecular level. Each unit focuses on chemical concepts as they relate to a socio-technological problem in some type of community.

Environmental Science – 1 credit

This is the study of the theory, mechanics and interrelations of the factors that surround and influence all organisms. Included are sciences dealing with the atmosphere, the Earth, humans, plants, and animals. Students also study natural resources management (air, soil, water, geological formations, etc).

Forensics – 1 credit

This course is designed to build upon concepts and to apply science to the investigation of crime scenes. You will use various aspects of chemistry, physics, anatomy and biology to identify, analyze and process materials including such evidence as firearms, tool marks, fingerprints, explosions, crashes and homicides. An inquiry-based approach to learning will be applied in this class. Use of the scientific method and rational thinking strategies will be critical to your overall success, as well as the success of your group.

Principles of Technology – 1 credit

This is a course in applied physics for students who plan to pursue careers as technicians or keep pace with the advances in modern technology. It is a course that blends an understanding of basics and principles with practice. Principles of Technology is devoted to the study of ideas that technology is built upon. Students will learn the concepts of force, work, rate, resistance, energy and power. Units explain how these concepts relate to one another in mechanical, fluid, electrical and thermal systems.

Mathematics

Algebra I – 1 credit

You will be introduced to variables, constants, expressions and equations to enable you to express generalizations that can be used in real-world situations. Topics covered are: solving equations, simplifying expressions, real number operations and properties, polynomials, factoring, linear and quadratic equations, graphing, working with radicals and rational expressions and expanding arithmetic knowledge. You will experience interactive discussions and practice through the use of the TI Navigator system, graphing calculator instruction, large and small group discussions and independent study.

Geometry – 1 credit

Geometry is designed to provide an in-depth analysis of plane and solid geometry as they relate to logical reasoning and problem solving. Topics include: logic and proof; parallel lines and polygons; angle relationships; trigonometry; similar and congruent figures; perimeter, area and volume; and circle relations. You will use technological tools, discussions, Geometer's Sketchpad and TI Navigator system to discover and practice concepts. Pre-requisite: Successful completion of Algebra I.

Algebra II – 1 credit

Algebra II is designed for a variety of instructional modes. You will experience interactive discussions with the use of the TI Navigator system, large and small group discussions, and independent study. The curriculum will include review topics from Algebra and Geometry, rational expressions, rational exponents and radicals, quadratic equations, functions and graphing, exponential and logarithmic functions, non-linear equations and inequalities and the Conic Sections. Prerequisites: Successful completion of Geometry.

Trigonometry – 1/2 credit

Trigonometry follows Algebra II and requires credits in Algebra I and Geometry. Technology will include extensive use of the TI-83+ graphing calculators and TI Navigator. Topics will include trigonometric functions, acute and right triangles, radian measure, circular functions, trig identities, inverse functions, exponential and log functions and applications of trigonometry. Pre-requisite: Successful completion of Algebra II.

Statistics – 1/2 credit

This course provides hands-on experience in data collection, organization and report writing. Each student will do a mini research paper at the end of the course. Topics will include nature of probability, frequency distributions, data description, counting techniques, confidence intervals and sample size, and hypothesis testing. TI-83+ calculators will be used extensively. Statistics is normally taken as a companion course to trigonometry. Pre-requisite: Algebra II.

Pre-Calculus – 1 credit

Pre-calculus is a course which allows you to explore elements of trigonometry, functions, series and sequences, as well as topics from algebra and geometry. The TI-83+ graphing calculator will be an integral part of this course. Topics will include properties of functions including end behavior and limits, logarithms, polar coordinates, complex numbers, vectors, parametric equations and many topics from Trigonometry. Pre-requisite: Credit for Trigonometry or equivalent. This is a dual enrollment class.

Calculus – 1 credit

Calculus is a college level course exploring the calculus of a single variable. Topics from the course will include limits, derivatives, application of derivatives, integration techniques, applications of integration, volume and area of rotated surfaces, and first order differential equations. The TI-84 graphing calculator will be used as a supplement to the course. Pre-requisite: Credit for Pre-Calculus or instructor permission.

Social Studies

American History – 1 credit

You will study 20th Century U.S. History with an emphasis on 1900 to the Vietnam War. Topics include: industrialization, immigration, urbanization, politics, foreign policy, economics and social/cultural development.

World History – 1 credit

This course emphasizes how, throughout history, humans have confronted similar obstacles and goals and have strived to better themselves and the world around them, regardless of their geographical location or cultural background.

U.S. Government – 1/2 credit

The course examines and defines the history, traditions, powers and functions of our government. Emphasis is on city, state and federal government. Students also study parties, elections and other forms of world government.

Economics – 1/2 credit

Economics is the study of the economic system of the United States. Students will use economic reasoning skills and knowledge of major economic concepts, issues and systems in order to make informed choices as producers, consumers, savers, investors, workers and citizens in an interdependent world.

Psychology – 1/2 credit

This semester course covers a general view of psychology with an emphasis upon human behavior. Areas of special concern include human development, memory, learning, personality development, mental illness and emotions.

Sociology – 1/2 credit

This semester course presents the study of man as he relates to others. Areas of special concern include culture, family, socialization, social problems, modern trends, different types of societies and problems of urbanization.

English

English 10 – 1 credit

As a student in this literature-based course, you will learn and refine reading, writing, speaking, and visual literacy skills. Language study and composition will be based primarily upon assigned literature.

English 11 – 1 credit

In this course, emphasis is placed on the development of grammar and usage skills. Application of these skills is demonstrated in weekly writing assignments. An overview of American writers will be studied with an emphasis on American novels.

English 12 – 1 credit

This course continues to develop and enhance reading and writing skills. You will learn the elements of both composition and literature. Instruction in composition includes grammar and usage, sentence structure, the paragraph, the theme and research elements. Elements of literature and literary techniques are emphasized. This is a dual enrollment class.

AP English – 1 credit (with possible college credit)

This is a college level class that will ultimately prepare you for the Advanced Placement exam in May. In addition, it provides you with other skills associated with the most advanced classes in high school English, including research skills. When you have completed the class, you will have acquired the reading and critical thinking skills necessary for understanding challenging new material, analyzing that material to deduce meaning, and applying what you have learned to your world. You will have the composition skills needed to communicate your understanding effectively to a variety of audiences. You will read and analyze classic works of literature because these works contain literary qualities that merit study and provoke thinking, not because of a requirement to know a particular work or author. You will also look at modern and contemporary works as you examine all genres: plays, short stories, poetry, essays, and novels.

Career and Technical Lab Programs

Agricultural and Environmental Systems

Columbus Zoo & Aquarium School

- Experience the excitement, independence and demand of authentic animal field research.
- Apply science and math to produce a college level thesis.
- Work with zoo professionals and apply animal knowledge.

Career Focus: Prepared for further education in any science or conservation related field.

Environmental Technologies

- Build and maintain a wetland habitat
- Investigate and apply alternative energy solutions
- Research and propose solutions for environmental issues

Career Focus: Prepared for further education in conservation, environmental science, or other science related fields

Equine Science

- Work on-site at stables and track with professionals in the daily care, health, and training of horses
- Explore the science of veterinary medicine for horses including clinical procedures, terminology, and disease prevention
- Practice sound stable management

Career Focus: Prepared for immediate employment, licensure, and further education

Landscaping and Turf Management

- Design, install, and maintain unique residential and commercial landscapes
- Apply an extensive knowledge of plants and creative design elements to construct patios, decks, and recreational spaces
- Explore business management and ownership as a lawn care specialist

Career Focus: Prepared for immediate employment and further education

Power Sports & Diesel Technology

- Troubleshoot, repair, overhaul, and assemble new and used gas and diesel power-driven machinery, equipment, and small engines
- Service air-cooled engines, lawn mowers, farm tractors, and motorcycles
- Design, create, and produce parts using plasma cutting technology

Career Focus: Prepared for further education and immediate employment in mechanized equipment maintenance

Business and Administrative Services

Business Management

- Learn about the behind-the-scenes operations of a professional business and how to succeed as a business manager
- Experience a college education while maintaining your affiliation with your home school
- Learn from Columbus State college professors
- Choose from three areas of focus: Business Management, Entrepreneurship, or Public Administration

Medical Office

- Perform a wide range of clerical responsibilities in the medical office environment
- Experience interactive software applications and project simulations from initial consultation to final billing
- Integrate ethical standards, confidentiality, and professionalism when interacting with patients and employers

Career Focus: Prepared for immediate employment and further education

Pre-Professional Internship Program

- Complete four unique internships to explore the realities of various careers
- Develop a professional presentation and electronic portfolio of internship experiences
- Build a strong network of contacts and resources

Career Focus: Prepared to make an informed decision about which college major best suits them

Construction Center

Construction Technologies

- Construct a residential home from the ground up
- Interpret blue prints and specifications to build structures from rough lumber to finish grade
- Operate a wide range of construction tools

Career Focus: Prepared for immediate employment in construction, advanced certifications, and further education

Facility Maintenance

- Troubleshoot and maintain building systems using basic carpentry, masonry, plumbing, electricity, and mechanical repair techniques
- Practice interior remodeling and finishing techniques
- Use professional hand and power tools

Career Focus: Prepared for immediate employment and further education

Education and Training

Early Childhood Education

- Teach in a preschool and toddler preschool center
- Research, create, and deliver developmentally appropriate materials for young children
- Plan activities that engage children by utilizing effective learning techniques

Career Focus: Prepared for college in a teaching career, advanced certifications, and immediate employment as a preschool aide

Teacher Academy

- Create dynamic developmentally appropriate lessons and teach them to actual students
- Teach side by side with professional educators in elementary, middle, secondary, and special needs classrooms
- Assemble a comprehensive reflective portfolio to meet state teacher licensing requirements

Career Focus: Prepared for a college major in education

Health & Public Safety

Dental Assisting

- Take x-rays and develop chair side etiquette as part of a dental team
- Create impressions and molds
- Use knowledge of anatomy, physiology and dental terminology to educate and care for patients

Career Focus: Prepared for immediate employment, advanced certifications

Fire Service Training

- Experience the thrill of saving lives and fighting fires
- Operate a wide-range of firefighting and life-saving equipment
- Develop your mind and body through rigorous mental and physical training

Career Focus: Prepared for immediate employment as a firefighter/EMT, jump start on Paramedic certification, and further education

Health Technologies

- Apply advanced health care concepts, processes and diagnostic procedures in a clinical environment
- Emphasis on medical terminology, anatomy, physiology, and infection control
- Develop professional work ethic, medical skills, and patient/client care and confidentiality

Career Focus: Prepared for college medical programs and immediate employment

Law Enforcement

- Use investigative techniques to solve crime scenarios and to mediate and resolve conflicts
- Develop your mind and body using self-defense tactics and fitness training
- Research and analyze current trends and issues in public safety

Career Focus: Prepared for immediate employment, advanced certification, and further education

Human Services

Cosmetology

- Evaluate, recommend and create hair designs
- Use advanced techniques to deliver a wide range of skin care and nail treatments
- Experience a full-service interactive salon environment

Career Focus: Prepared for immediate employment in a salon/day spa, advanced licensure, and further education

Culinary Arts

- Create meals, cakes, and pastries with artistic presentation
- Plan, prepare, and serve meals for upscale events and casual dining
- Operate a full service restaurant open to the public

Career Focus: Prepared for professional culinary programs, immediate employment, and further education

Food Service

- Prepare and serve food according to entry level catering and restaurant standards
- Plan menus, create shopping lists, and acquire supplies within the community
- Identify, sanitize, and safely use equipment in a commercial kitchen

Career Focus: Prepared for immediate employment

Hospitality

- Work at Willow Brook Christian Communities performing a variety of support functions
- Team with hospitality professionals to provide customer service
- Develop critical employability and job attainment skills

Career Focus: Prepared for immediate employment or Project Search

Information Technology

Information Technology - Media & Digital Video

- Conceive, design, and deliver unique interactive content with animation, graphics, audio and visual
- Design, install, and troubleshoot complex computer and audio/visual network systems
- Use the same hardware and software as information technology professionals

Career Focus: Prepared for certifications, immediate employment and college

Microsoft Information Technology Academy - Networking

- Set up servers, workstations and networks with Microsoft software
- Design, install, and troubleshoot Microsoft technologies
- Use the same hardware and software as Microsoft information technology professionals
- Prepared for certifications, immediate employment and college scholarships

Manufacturing Center

Electronics

- Create, assemble, and troubleshoot industrial motor controls, programmable logic controllers, and robots
- Customize and install security and car audio systems
- Design, build, and maintain computers, residential computer networks, and peripherals

Career Focus: Prepared for immediate employment, advanced certifications, and further education

Power Line Technician

- Study to be a Power Line Technician
- Complete all requirements for the entry level position of a power line technician
- Earn qualifications necessary to climb poles and begin work in the field
- Study state approved power curriculum

Career Focus: Prepared for immediate employment as a ground worker at any electric company

Welding and Sheet Metal Fabrication

- Design, engineer, build, and troubleshoot complex manufacturing solutions for actual clients
- Interpret blueprints and specifications using math and computer technology
- Develop the strength, work ethic, and stamina necessary for a career in fabrication

Career Focus: Prepared for entry-level welding certification, immediate employment as an apprentice, and further education

Sophomore Programs

Career Focused Sophomore Program

- Explore transportation, manufacturing and construction programs
- Complete a wide range of projects using the appropriate tools, techniques, and terminology associated with each program
- Develop leadership, teamwork, communication, and critical thinking skills

Career Focus: Prepared for a two year technical program in manufacturing, construction or transportation

Career Graphics

- Work in a print shop to develop employability, problem-solving, and life skills
- Create and implement a career plan
- Explore a wide-range of career tech programs while receiving academic support

Career Focus: Prepared to continue high school and qualify for a career tech program

Transportation Center

Automotive Essentials

- Diagnose, maintain and repair basic automotive systems
- Perform oil change, tire, brake, and exhaust services
- Use professional industry tools and equipment

Career Focus: Prepared for a senior year career technical program

Automotive Technologies

- Diagnose, maintain, and repair a wide-range of vehicles
- Use the same equipment and techniques as professional technicians
- Work side-by-side with Master Technicians at local automotive service centers

Career Focus: Prepared for college in an advanced auto tech program or related field and immediate employment