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## **INTRODUCTION**

The curriculum of our school has been developed to meet the immediate educational needs of our students and to prepare them to lead productive adult lives. Our extensive program enables us to offer each student the opportunity to develop individual talents while receiving a sound fundamental education.

We also realize that the educational needs of America's children have changed. Students can no longer receive enough training in twelve years of school to be successful in tomorrow's world. Our children will need to continue to seek educational opportunities after they graduate from high school.

Our mission, therefore, is to prepare our students for the next step in their education. That step will come in college, business or technical school, the military, or in industry.

## **PURPOSE OF THE COURSE SELECTION GUIDE**

All students must fulfill the basic education requirements for graduation of the Euclid Board of Education. In fulfilling those requirements, students begin to focus on their immediate post-high school needs. Your child's guidance counselor will assist you and your child in selecting the proper courses.

## **GRADUATION REQUIREMENTS**

<b>20 Credits</b>	
English	4.0 Credits
Social Studies, Including:	3.0 Credits
( U.S. Studies)	1.0 Credit
(Government/Economics)	1.0 Credit
(World Studies)	1.0 Credit
Science, Including:	3.0 Credits
(Biology)	1.0 Credit
(Physical Science)	1.0 Credit
(Science Elective)	1.0 Credit
Mathematics	3.0 Credits
Fine Arts, Foreign Language, or Business/Technology (1 Unit or Two .5 Units)	1.0 Credit
Health	0.5 Credit
Physical Education (2 semesters)	0.5 Credit
Electives	5.0 Credits

## STATE TESTING REQUIREMENTS

*All tenth graders are required to take the five Ohio Graduation Tests: Reading, Writing, Mathematics, Citizenship, Science. All students must pass all sections of these five tests which start in the tenth grade and meet all Euclid and Ohio curriculum requirements in order to receive a high school diploma in Ohio.*

## FOUR-YEAR PLANNING CHART

<b>FRESHMAN YEAR</b>		<b>SOPHMORE YEAR</b>	
<b>Course</b>	<b>Credit</b>	<b>Course</b>	<b>Credit</b>
1. English	1.00	1. English	1.00
2. Physical Education/Keyboarding	0.75	2. Health/Physical Education	0.75
3. World Studies	1.00	3. US Studies	1.00
4. Lunch		4. Lunch	
5. Math	1.00	5. Math	1.00
6. Science	1.00	6. Science	1.00
7. Elective		7. Elective	
<b>JUNIOR YEAR</b>		<b>SENIOR YEAR</b>	
<b>Course</b>	<b>Credit</b>	<b>Course</b>	<b>Credit</b>
1. English	1.00	1. English	1.00
2. Science	1.00	2. Elective	
3. Math	1.00	3. Elective	
4. Lunch		4. Lunch	
5. Government and Economics	1.00	5. Elective	
6. Elective		6. Elective	
7. Elective		7. Elective	

In order to have the best background for post-secondary work, all students should take 4 years of English, Science, Math & Social Studies. In addition, most colleges require 2 years of the same foreign language.

## **SCHEDULING CLASSES**

Scheduling for the upcoming school year starts the 3<sup>rd</sup> quarter of each year. We do not require parents to attend student-scheduling sessions, but parents are always welcome. Counselors work with students to insure that they take the courses that are best suited to their needs. Course selection, however, is ultimately the responsibility of the parent and the student. Once students receive their schedules at the start of the new school year, students can make course selection changes only for the most compelling reasons, such as the inadvertent omission of a required course.

## **SCHOOL DAY**

We have seven 54-minute periods plus passing time between classes and lunch.

## **GRADE LEVEL STATUS**

Passing the required number of credits attains grade level status:

Grade 10 (Sophomore status)	4.0 credits passed
Grade 11 (Junior status)	8.5 credits passed
Grade 12 (Senior status)	15.0 credits passed
Graduation	20.0 credits passed, and all Ohio Graduation Tests passed

## ATHLETIC ELIGIBILITY FOR ALL SPORTS

The Ohio High School Athletic Association requires an athlete to pass five one credit courses per semester or the equivalent in the immediately preceding grading period in order to be eligible to participate in sports. In addition to its requirement, The Euclid High Schools require a student to have a certain GPA.

**Students need to pass five full credits each semester plus attain a minimum GPA:**

Grade 9	1.3 GPA	Grade 10	1.4 GPA
Grade 11	1.5 GPA	Grade 12	1.6 GPA

## N.C.A.A SCHOLARSHIP REQUIREMENTS – Division I

The National Collegiate Athletic Association sets the requirements for athletic scholarships.

1. High school diploma
2. Successfully complete a core curriculum of at least 16 academic core course units as follows:
  - English 4 years
  - Mathematics (at the level of Algebra 1 or higher) 3 years
  - Natural or physical science (including at least one laboratory course). 2 years
  - Additional courses in English, mathematics, or natural or physical science. 1 year
  - Social Studies 2 years
  - Additional academic courses in any of the above areas or foreign language, computer science, philosophy or non doctrinal religion (e.g., comparative religion)courses. 4 years
3. A grade point average of 2.0 on a 4.0 scale in the 16 academic core courses listed above.
4. A score of 86 on the A.C.T. or a 1010 on the S.A.T.

A counselor can give you detailed information published by the N.C.A.A.

## OHIO POST-SECONDARY ENROLLMENT OPTIONS

Another provision of the new state education law enables high school students to take courses at colleges during the freshman, sophomore, junior, and senior years of high school. Following is a synopsis of the rules from that portion of Ohio Revised Code 3365.02-3365.09 which describes guidelines and procedures for the awarding of high school graduation credit and/or college credit to high school students enrolled in nonsectarian courses in Ohio colleges. (Sectarian courses typically are religion courses.)

1. Ninth, tenth, eleventh, and twelfth grade students may enroll full or part-time for high school and/or college credit.  
Students in grades nine, ten, eleven, or twelve may enroll in an Ohio college for high school graduation and/or college credit, if the following conditions are met:
  - a. **Student must be accepted by the college.**
  - b. College must send written notice to all appropriate parties, including student, school district superintendent, and superintendent of public instruction within ten (10) days of enrolling students. Such notices shall include courses, hours of enrollment, and the option selected.
  
2. **Post-Secondary Enrollment Options Available:**  
**Option A:** The student may elect at the time of enrollment to receive post-secondary credit from the college for the course(s) taken at college. The student will pay the costs.  
**Option B:** Students may elect at the time of enrollment for each course to receive credit for the course toward fulfilling the graduation requirements of his school district as well as post-secondary credit for the course(s). The state will pay the costs by using the school district's basic state funds.
  - a. If, after high school graduation, an individual enrolls in an Ohio college attended as a high school student, the college must award full credit for all courses successfully completed under either Option A or Option B.
  - b. Courses successfully completed under Option B will receive high school credit for graduation as appropriate.
  - c. College courses successfully completed under Option A will not be awarded high school graduation credit unless specifically requested by a student at the time of enrollment.
  
3. School districts must award comparable credit for high school graduation, in terms of quantity and quality, for successfully completed college work. Five (5) semester hours or seven and one-half (7-1/2) quarter hours of college course work will constitute one Carnegie unit of credit toward high school graduation credit.
  - a. Any disputes between students and the local board of education regarding high school credits granted for college work may be appealed to the State Board of Education whose decision is final.
  - b. Student records must reflect evidence of successful completion of each course and the high school credit awarded. Additionally, all credit earned as a participant of the Post-Secondary Enrollment Options program must note the name of the college.

4. The Euclid Board of Education has determined that the grades earned at college through the Post-Secondary Enrollment Options program will be included in a student's grade point average (GPA) but will not be weighted.
  - a. Students in grade nine may not receive high school/college credit for more than the equivalent of four academic years.
  - b. Students in grade ten may not receive high school/college credit for more than the equivalent of three academic years.
  - c. Students in grade eleven may not receive high school/college credit for more than the equivalent of two academic years.
  - d. Students in grade twelve may not receive high school/college credit for more than the equivalent of one academic year.
  - e. Proportional reductions must be made for students participating in the Post-Secondary Enrollment Options program for less than one academic year.
  - f. Athletic eligibility will continue to be governed by Ohio High School Athletic Association rules. Such eligibility will therefore continue to use Euclid High School's grading period passing grades as a basis to determine eligibility according to the OHSAA rules. In addition, when a college grade is unavailable to Euclid High School at the end of its grading period, the student-athlete shall receive an "Incomplete" grade until such time that the grade can be determined. The "Incomplete" grade shall be used to determine the student athlete's eligibility for the next grading period. In line with OHSAA rules, "an Incomplete" is considered a "failing grade."
  - g. For all students, when a college grade is unavailable to Euclid High School at the end of its grading period, the student shall receive an "Incomplete" or blank grade until the grade becomes available. Since no credit can be earned by an incomplete grade, a graduating senior's commencement participation can be denied if he/she needs that course to graduate. Students who are eligible for graduation must present prior to the commencement date either the final grade or some official college written affidavit, which verifies that they have passed their college course(s) in order to participate in the commencement ceremony. Students will also be ineligible for honor or merit roll citation until the college grades are officially reported to the high school.
5. Colleges will give priority to their regular students in considering high school student admission. Once accepted, however, regular students cannot displace high school students in the Post-Secondary Enrollment Options program.
6. For those students enrolled in college courses for high school graduation credit exclusively, the college will be reimbursed for tuition, fees, materials, and a textbook, providing the student completes the course. For students enrolled in college courses for college credit, the financial responsibilities for tuition, textbooks, materials, and fees associated with the course(s) will lie with the student.
7. Amended Substitute House Bill 282, requires that a student may enroll in specific college courses only if that student has not already taken and passed the same course in high school and has attained a cumulative grade point average of at least 3.0 on a 4.0 scale in these completed high school courses.

**OHIO POST-SECONDARY ENROLLMENT OPTIONS DECLARATION FORM**

This is a program which is available to students who will be 9th, 10th, 11th and 12th graders in the coming school year. This program, according to the provisions of House Bill 215, permits 9th and 10th graders to join 11th and 12th grade students as being eligible to take courses at local colleges and to earn high school and college credit at the same time without financial cost. There are a number of very important restrictions and considerations. Parents of students who will be enrolled in 9th, 10th, 11th or 12th grade next year who are interested in this program should contact their child's guidance counselor for more information. There is a March deadline each year for declaring participation in this program.

POST-SECONDARY ENROLLMENT OPTIONS PARTICIPATION  
RULE 3301-44-03

Date: \_\_\_\_\_  
(NO LATER THAN MARCH 31st)

School: \_\_\_\_\_

Name: \_\_\_\_\_  
(PLEASE PRINT)

Grade: \_\_\_\_\_

This serves as notification that I intend to participate in the Post-Secondary Enrollment Options Program. I understand that it is my responsibility to notify my school if I do not gain post-secondary admission or fail to participate for some other reason.

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

## GRADE POINT AVERAGE, CLASS RANK, HONORS and ADVANCED PLACEMENT CLASSES

It is the philosophy of the Euclid City Schools to encourage all students to stretch their academic abilities to the fullest and to expand their learning horizons.

Euclid High School offers Honors and Advanced Placement classes. These classes are recommended for students who wish to become involved in a challenging, rigorous, fast-paced curriculum that offers them opportunities to expand their academic achievement. A typical student in these classes may be a student who has been previously identified as gifted and talented; enrolled in previous honors or in enrichment/extension classes; participated in the ACE—Accelerated Creative Education—program in grades 3-6; enrolled in the honors program at Middle School; sought challenging courses that will prepare them for high achievement in selective colleges and universities. Students may select one or more Honors or AP classes. Students do not have to schedule all Honors or AP classes.

Often Honors and AP courses have prerequisites. These Honors and AP classes also offer a weighted grade, which gives students an additional advantage to enhance their GPA—Grade Point Average—that ultimately determines their class rank. See the grade scales below:

<b>Most Courses</b>	<b>Honors</b>	<b>Advanced Placement (AP)</b>
A = 4.00	A = 4.50	A = 5.00
A- = 3.67	A- = 4.17	A- = 4.67
B+ = 3.33	B+ = 3.83	B+ = 4.33
B = 3.00	B = 3.50	B = 4.00
B- = 2.67	B- = 3.19	B- = 3.67
C+ = 2.33	C+ = 2.83	C+ = 3.33
C = 2.00	C = 2.50	C = 3.00
C- = 1.67	C- = 2.17	C- = 2.67
D+ = 1.33	D+ = 1.83	D+ = 2.33
D = 1.00	D = 1.50	D = 2.00
D- = 0.67	D- = 1.17	D- = 1.67
F = 0.00	F = 0.00	F = 0.00

Achieving a high class rank provides many opportunities to students: scholarships, honors, recognition, admission to highly selective colleges and universities, special acknowledgments on job applications and resumes, as well as a sense of personal accomplishment.

Students who take the Advanced Placement examinations can earn college credit. Advanced Placement (AP) classes can provide economic benefits for both students and parents. It is possible to earn college credit for the AP class. The student and his/her family may also save on college tuition costs by scoring well on the AP Examination. The college or university determines transferability of AP exam credit.

## **STATE DIPLOMA WITH HONORS**

To be awarded a diploma with honors, the student shall be required to meet at least all but one of the criteria listed in this paragraph. A student shall not be required to meet more than the specified number of criteria, nor shall any student be required to meet any one specified criterion.

The student who completes the college preparatory curriculum in the high school shall meet at least seven of the following eight criteria:

- (a) Earn four units of English;
- (b) Earn three units of Mathematics, which shall include at least the competencies obtained in Algebra I, Algebra II and Geometry;
- (c) Earn three units of Science including at least one unit in a foundational Science with an emphasis in Chemistry and at least one unit in Applied Science with an emphasis in Biology;
- (d) Earn three units of Social Studies;
- (e) Earn three units of one Foreign Language or two units of two Foreign Languages;
- (f) Earn one unit of Fine Arts;
- (g) Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year; or
- (h) Obtain a composite score of twenty-seven on the American College Testing program's (ACT) tests or 1210 on the Scholastic Aptitude Test (SAT).

The diploma awarded in accordance with this rule shall be in such form as the District Board of Education prescribes; bear the date of its issue; and contain the signatures of the president and treasurer of the District Board of Education, the superintendent of schools, and the principal of the high school.

**For more information, please visit:**

[Ohio Department of Education Comparison of Diplomas with Honors Education](#)

## ART DEPARTMENT

<b>GR.</b>	<b>COURSE OFFERED</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
11-12	Forms of Expression (36502) A	0.50	None
11-12	Forms of Expression (36502) B	0.50	Forms of Expression A
10-12	Ceramics (31602)	0.50	Design A & B
9-12	Design A (90502)	0.50	None
	Design B (90502)	0.50	Design A
10-12	Drawing (10502) A and B	0.50	Design A & B
10-12	Printmaking (51602)	0.50	Design A & B
11-12	AP Art History (11102)	1.00	None • YEAR COURSE
11-12	AP Portfolio (12102)	1.00	Design & Drawing YEAR COURSE
11-12	Portfolio (12502) A and B	0.50	Design & Drawing
11-12	Photography A (32502)	0.50	Manually operated 35 mm camera
	Photography B (32502)	0.50	Photography A
11-12	Adv. Photography (33502) A and B	0.50	Photography A & B
10-12	Printmaking (51602)	0.50	Drawing

### **Advanced Photography (33502) A and B .50 Credit**

**Grades 11 – 12**

Having mastered the basics of black and white photography, students will use the medium to express a more personal vision. Students will work with conceptual, theme-based photo projects and will experiment with alternative processes and techniques involving photo-manipulation. Students will build a photo portfolio consisting of their best work culminating from two years of study in photography. This course will meet daily.

**Prerequisite:** Students must have completed Photography A and B with at least a B average, or have the permission of the department chairperson. **Students must purchase their own film and paper. Students must also have their own 35 mm camera.**

**Fee: \$15.00**

### **AP Art History: (11102)**

**1.00 Credit**

**Grades 11 – 12**

This year long course will cover Art History Part 1: Ancient World to Western Art in Transition and Art History Part 2: A Time for Rebels-Art of the Late 19th Century to Present. The students will be required to conduct research, take part in group discussions, complete group projects on various topics related to art criticism, philosophy and history. AP Test will be administered in the month of May. (FULL YEAR CLASS)

**Course Level:** AP Art History is a course designed for students who expect to take the Advanced Placement Exam.

**AP Portfolio (12102)****1.00 Credit****Grades 11 – 12**

Students enrolled in Portfolio (12502) will qualify for the General Advanced Placement Portfolio competition by completing 38-40 pieces of art work in the following categories: (8) drawing, (4) color, (4) design, (2) sculpture, and a concentration of 20 related works. It is taught at the level of a college freshman art course. (FULL YEAR CLASS)

**Course Level:** Advanced Placement Portfolio is a course designed to prepare students for the Advanced Placement examinations.

**Prerequisite:** Students must have completed Drawing with a B average.

**Fee: \$30.00**

**Ceramics (31602)****.50 Credit****Grades 10 – 12**

Emphasis is on a basic understanding of the underlying design elements, principles and techniques involved in clay. Students will apply design concepts to both form and decoration. The class meets daily.

**Prerequisite:** Drawing with a B average.

**Fee: \$15.00**

**Design (90502) A****.50 Credit****Grades 9 – 12**

Design A and B are foundation art courses intended to aid the student in acquiring skill in both the technical use and intellectual understanding of art elements and their guiding principles. Successful completion of both A and B with a “B” average will enable the student to proceed to a higher level art course. Students will develop skills through activities in art history, art criticism and aesthetics, personal expression and production. In art production the students will draw, paint, and sculpt in a variety of media.

**Design A:** Is an introduction to the foundations of art with focus on the elements of art.

**Fee: \$15.00**

**Design (90502) B****.50 Credit****Grades 9 – 12**

Design A and B are foundation art courses intended to aid the student in acquiring skill in both the technical use and intellectual understanding of art elements and their guiding principles. Successful completion of both A and B with a “B” average will enable the student to proceed to a higher level art course. Students will develop skills through activities in art history, art criticism and aesthetics, personal expression and production. In art production the students will draw, paint, and sculpt in a variety of media.

**Design B:** Is a continuation of the foundations of art with a focus on the principles of art.

**Prerequisite:** Successful completion of Design A

**Fee: \$15.00**

**Drawing (10502) A and B****.50 Credit****Grades 10 – 12**

Students will learn how to draw from life using various media. Students will focus on the fundamentals of landscape, still-life drawing, portrait and figure drawing. Study in art history, criticism, and aesthetics will enrich the student’s knowledge of art. Homework is required. The course meets daily.

**Prerequisite:** Students must have completed Design with at least a B average. Students with less than a B average must have the approval of the department chairperson to enroll.

**Fee: \$15.00**

**Forms of Expression (36502) A****.50 Credit****Grades 11 – 12**

The arts in any age are an expression of the artist who has something personal to say about important aspects of life. Students will gain insight into artists' expressions in music, dance, theatre, and visual art and explore the functions of the arts in a cultural and historical context. Students will learn to analyze the materials of arts and the various ways of organization. The course is based upon the standards of Discipline Based Arts Education. Emphasis is on historical context, critical inquiry, aesthetics and production.

**Fee: \$10.00****Forms of Expression (36502) B****.50 Credit****Grades 11 – 12**

This is a continuation of Forms of Expression A. After experiencing art forms, students will create their own artistic expression in music, dance, theatre and visual arts. The course is based upon the standards of Discipline Based Arts Education. Emphasis is on historical context, critical inquiry, aesthetics and production.

**Prerequisite: Forms of Expression A****Fee: \$10.00****Photography (32502) A****.50 Credit****Grades 11 - 12**

Students learn to operate a manual 35 mm camera. Black and white film development and a full range of darkroom techniques are covered. Students gain background in the history of photography as an art form. The elements & principles of design and composition are emphasized. The class meets daily for one period.

**Prerequisite: Students must purchase their own film and paper and have their own 35mm camera.****Fee: \$15.00****Photography (32502) B****.50 Credit****Grades 11 - 12**

Using the skills learned in Photography Part A, students will explore photography as a means of creative expression. They will utilize basic photographic skills to create artistic images and continue to advance their knowledge of this traditional artistic medium.

**Prerequisite: Photography A; Students must purchase their own film and paper and have their own 35mm camera.****Fee: \$15.00****Portfolio (12502) A and B****.50 Credit****Grades 11 - 12**

Part I: Design, drawing and painting, as well as art history, criticism, and aesthetics skills will be reinforced in this intense course. Students will learn how to present artwork for university or art school admission. Part II: Continuation of Portfolio A

**Prerequisite: Student must have completed Design and Drawing with at least a B average.****Fee: \$15.00****Printmaking (51602)****.50 Credit****Grades 10 – 12**

Having mastered skills in the basics of printmaking techniques, students will use the media to express a more personal vision within design. Course work will include art criticism, art history, aesthetics, and studio production. Students will apply design concepts to both design and composition. Fiber forms will include an in-depth exploration into various fiber media. The course meets daily.

**Prerequisite: Drawing.****Fee: \$15**

## **BUSINESS DEPARTMENT**

<b>GR.</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
9-10	Business Foundations (90503)	1.00	None
9	Keyboarding and Computer Technology (10503)	0.50	None
10-12	Accounting (21403) A and B	1.00	None
10-12	Adv. Microsoft Office 2007 (16503) A and B	1.00	“C” average in Keyboarding & Computer Tech
9-12	Personal Finance (13503)	0.50	None
10-12	Personal and Business Law (25503) A and B	1.00	None
11-12	Technology for the Entrepreneur (22403) A and B	1.00	Keyboarding/Computer Tech
11-12	Sports Management (11503) <b>ONLINE</b>	0.50	None
11-12	International Business (14503)	0.50	None

### **Accounting (21403) A**

**.50 Credit**

**Grades 10 - 12**

Accounting “A” is an excellent foundation course for all students planning to major in business in college. Students will **learn** the foundations of accounting including double entry accounting procedures; learn how to keep financial records for a **sole proprietorship**, and how to use the computer to complete accounting projects. Accounting can also help prepare students to enter the job market. The course meets daily

### **Accounting (21403) B**

**.50 Credit**

**Grades 10 - 12**

Accounting “B” builds on the fundamentals learned in Accounting “A” and is an excellent foundation course for all students planning to major in business in college. Students will **apply** double entry accounting procedures: learn how to keep financial records for a **partnership** and **merchandising business**, and how to use the computer to complete accounting projects. Accounting can also help prepare students to enter the job market. The course meets daily

### **Business Foundations (90503)**

**1.00 Credit**

**Grades 9 - 10**

This year-long introductory business seminar will provide the basics of the workings of the business world. The course meets daily. Components include career exploration, law, ethics, finance, insurance, taxes, technology and entrepreneurship, management, ethics, economics, consumerism, marketing, technology and developing a business plan.

### **Tech. for the Entrepreneur (22403) A**

**.50 Credit**

**Grades 11 – 12**

In this course, students will use technology (Internet, Microsoft Word, Power Point, Publisher, Excel, digital camera, cell phone, podcasts, e-mail, i-movie etc.) to complete tasks that are necessary in starting a business. Several business simulations and guest speakers will be used to create real life experiences for students. The course meets daily.

**Tech. for the Entrepreneur (22403) B .50 Credit Grades 11 – 12**

In this course, students will apply several forms of technology to develop projects that an Entrepreneur would use in the business world. Students will create a Business Plan and several presentations using the technology skills taught in class. Several business simulations and guest speakers will be used to create real life experiences for students. The course meets daily.

**Advanced Microsoft Office 2007 (16503) A .50 Credit Grades 10 – 12**

This course is designed to teach students the Microsoft Office 2007 Word program. The course will cover Microsoft Word and the Internet. Students who excel in this course will be prepared for the Word section of the MCAS (Microsoft Certified Application Specialist). Students will learn how to create documents such as: reports, tables, newsletters, mail merges, letters, resumes, memos, web pages and utilize the Internet. The course meets daily.

**Prerequisite:** Earning a “C” average in Keyboarding

**Advanced Microsoft Office 2007 (16503) B .50 Credit Grades 10 – 12**

This course is designed to teach students the Microsoft Office 2007 programs. The course will cover Microsoft Excel, Power Point and the Internet. Students will learn how to create documents such as: spreadsheets, graphs, WebPages, multimedia presentations and utilize the Internet. The course meets daily.

**Prerequisite:** Earning a “C” average in Keyboarding

**Keyboarding and Computer Technology (10503) .50 Credit Grade 9**

This course is a mandatory freshman course. In the first quarter, students will learn how to type using the correct fingers without looking at the keys. The emphasis is on technique — not speed. In the second quarter, students will learn basic computer concepts that will include Microsoft Word (word processing), Microsoft Excel (spreadsheets), Microsoft PowerPoint (presentation software) and Internet use. The course meets daily for one semester.

**Personal and Business Law (25503) A .50 Credit Grades 10 – 12**

This course is recommended for all students who are interested in learning how the law affects their daily lives and what their legal rights are. Students will learn about criminal law, tort law, and civil law combined with some forensics. The course meets daily.

**Personal and Business Law (25503) B .50 Credit Grades 10 – 12**

Students will learn about contract law, family law, employment law and the need for wills and estate planning. The course meets daily.

**Personal Finance (13503) .50 Credit Grades 10 – 12**

This semester course is recommended for any student interested in making wise consumer decisions. Topics in this course include: employment skills, buying a car, renting an apartment, managing a checkbook, making investment decisions, and understanding life insurance. The course meets daily for one semester.

**Sports Management (Online) (11503) .50 Credit Grades 11 – 12**

In this course a wide variety of Sports Management topics will be covered including: History, Law, Marketing, Use of Rules, Strength Training, Injury Prevention, Organization of Programs, and Intramurals. This class involves reading articles, taking online quizzes, blogging, and creating projects using Microsoft Office programs. The course lasts for one semester and requires the use of the Internet.

**International Business (14503)**

**.50 Credit**

**Grades 11 – 12**

This semester course surveys the various elements of global production and trade as well as examines a variety of international business issues. The course will focus on global market perspectives of trade agreements, international finance, marketing, management, culture and technological differences, and global communication. The course will also examine the benefits and problems that multinational companies encounter in an international environment.

## COMPUTER DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
10-12	Basic Video Game Programming (53411)	0.50	
10-12	IT Essentials (54411)	0.50	
10-12	Introduction to Web Design (51411)	0.50	Note in description.
10-12	Advanced Web Design (52411) A&B	0.50	Note in description
10-12	Digital Imaging (50411)	0.50	
11-12	Advanced Digital Imaging (50311) A&B	0.50	
<b>See College Tech-Prep Programs for more computer-related classes.</b>			

**Introduction to Web Design (51411)**                      **.50 Credit**                      **Grades 10 – 12**  
 This course will offer students hands-on experiences with digital graphics and web page design and production. Students will work through lessons in Macromedia’s software suite Studio MX. Topics will include basic web page editing, working with vector and bitmap images and creating simple animations. Course meets daily.  
**Prerequisite:** Keyboarding/Computer applications.

**Advanced Web Design (52411) A**                      **.50 Credit**                      **Grades 10 - 12**  
 This course is designed for students who desire additional work with web page design. Students will make animations, buttons, web sites, and other interactive content using Macromedia Flash. Course meets daily.  
**Prerequisite:** Students should have successfully completed the Introduction to Web Design course.

**Advanced Web Design (52411) B**                      **.50 Credit**                      **Grades 10 - 12**  
 This course is designed for students who desire additional work with web page design. Students will learn about design principles and incorporate them into projects using HTML, Macromedia Dreamweaver, and Macromedia Flash. Students will design projects for practice, for themselves and for a client. Course meets daily.  
**Prerequisite:** Students should have successfully completed the Introduction to Web Design course.

**Basic Video Game Programming (53411)**                      **.50 Credit**                      **Grades 10 - 12**  
 This semester long course introduces students to video game programming. Students will learn game development and elements such as game type, treatment, technology, graphics and sound by creating video games. Students will learn many programming and technology basics. Therefore, students interested in enrolling in junior and senior level technology courses should complete this class. This course meets everyday for one class period for one semester.  
**Prerequisite:** Underclassmen should possess strong math skills.

**Digital Imaging (50411)****.50 Credit****Grades 10 – 12**

This semester long course will introduce students to imaging with digital devices (cameras, scanners, web). Students will learn basic operations and the correct use of digital photographic techniques. Students will work with Apple's iPhoto and Adobe Photoshop image editing software. Students' work will be posted on the web and projects will be entered into various competitions including [Imation](#). This course meets everyday for one class period. Owning your own basic digital camera is a plus but not required.

**Advanced Digital Imaging (50311) A****.50 Credit****Grades 11 – 12**

This course is a follow up to Introduction to Digital Imaging. This course will be offered to students who are interested in pursuing a career in digital photography or who want to become more proficient in editing photos with software. Part A will focus on learning Apple's software Aperture will be used to manipulate, store, edit and transform digital images. Adobe's Photoshop will also be used in conjunction with Aperture. **Students will be required to purchase their own digital camera and completed the introductory course.**

**Advanced Digital Imaging (50311) B****.50 Credit****Grades 11 – 12**

This course is a follow up to Advanced Digital Imaging A. Students will be encouraged to become certified on Apple's software by taking a certification exam at the end of the year. Part B will focus on creating digital portfolios and sharing student work on individual websites. **Students will be required to purchase their own digital camera.**

**IT Essentials (54411)****.50 Credit****Grades 10 – 12**

IT Essentials provides a comprehensive overview of computer fundamentals and an introduction to advanced concepts. It is intended for individuals who want to pursue careers in IT and gain practical knowledge of how a computer works. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. They will also be able to connect computers to the Internet and share resources in a networked environment. PC Hardware and Software will help students prepare for entry-level IT positions within various environments. It will also help students develop greater skills and confidence in working with desktop and laptop computers. Students will be encouraged to take the A+ certification exam and continue their studies in CIS 1 or Cisco 1.

## ENGLISH DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9	Freshman English (90405)A and B	1.00	None
9	Freshman Honors English (90205) A and B	1.00	None
10	Sophomore English (10405)A and B	1.00	Freshman English
10	Sophomore Honors English (10205) A and B	1.00	Freshman English, Summer Reading
11	Junior English (11405) A and B	1.00	Sophomore English
11	Junior Honors English (11205) A and B	1.00	Sophomore English, Summer Reading
11-12	Film and Media Production (54405) A and B	1.00	None
11-12	Speech (15402)	0.50	Sophomore English
11-12	Creative Writing (17402)	0.50	Sophomore English
12	Advanced Placement English (12105)	1.00	Junior English, Summer Reading
12	Senior English (12405) A and B	1.00	Junior English

### **Freshman Honors English (90205) A**

**.50 Credit    Grade 9**

Major areas of study in this course are grammar, writing, vocabulary, and literature. Readings may include Lord of the Flies, To Kill a Mockingbird, and Night.

### **Freshman Honors English (90205) B**

**.50 Credit    Grade 9**

A continuation of Part A above, including grammar, writing, and vocabulary. In the second half of this course, readings will include Julius Caesar, The Odyssey, and Animal Farm.

**Course Level:** This is a 2-level course designed for advanced college-preparatory students, and both A and B meet daily.

**Prerequisites:** Superior reading and writing skills as demonstrated on standardized achievement tests. Good study skills and attendance are needed for success in this course.

### **Freshman English (90405) A**

**.50 Credit    Grade 9**

The first semester of this course covers three units: Short Stories, and two major works that could include To Kill a Mockingbird, Night, Lord of the Flies or others. Specific attention is paid to reading skills and comprehension, writing projects integrating grammar, mechanics, usage and spelling, as well as integration of project or technology based learning aligned to state and national standards. Students are expected to read and complete work both in and outside of class.

### **Freshman English (90405) B**

**.50 Credit    Grade 9**

The second semester of this course covers four units: Poetry, Nonfiction and two major works that could include *Romeo and Juliet*, *The Odyssey* or others. Specific attention is paid to reading skills and comprehension, writing projects integrating grammar, mechanics, usage and spelling, as well as integration of project or technology based learning aligned to state and national standards. Students are expected to read and complete work both in and outside of class.

**Course Level:** This course is designed for the average student. Both A and B meet daily.

**Prerequisites:** None.

**Sophomore Honors English (10205) A****.50 Credit****Grade 10**

Grammar, writing skills, vocabulary, and American literature and non-fiction from Native American oral traditions to the Transcendentalists are studied in this course. Major works may include The Crucible and Catcher in the Rye. Summer reading is Of Mice and Men.

**Sophomore Honors English (10205) B****.50 Credit****Grade 10**

This course continues with the study of the American experience through literature and begins with the 19th Century Master Poets and moves through Naturalism, Realism, Civil War Literature, and Modernism. The major literary works may include Ethan Frome, Huckleberry Finn, The Great Gatsby, A Streetcar Named Desire, The Things They Carried, and A Raisin in the Sun. Students will engage in extensive research skills and produce a classic research paper.

**Course Level:** This is a 2-level course designed for advanced college preparatory students. This course (A and B) meets daily for one period.

**Prerequisites:** At least a C average in Freshman Honors English or permission of the department chair. Good study skills and attendance are needed for success in this course.

**Sophomore English (10405) A****.50 Credit****Grade 10**

Major areas of study in this course are grammar, writing, and literature with emphasis on preparation for the OGT. Major works read may include Of Mice and Men, The Color of Water, and The Piano Lesson.

**Sophomore English (10405) B****.50 Credit****Grade 10**

Sophomore B English continues with grammar, writing, literature, vocabulary, and poetry.

Readings include Julius Caesar, And Then There Were None, and world literature poetry, non-fiction, and short stories.

**Course Level:** This course is designed for the average student, and it meets daily for one period, both A and B levels.

**Prerequisites:** Students should have completed Freshman English.

**Junior Honors English (11205) A****.50 Credit****Grade 11**

Major areas of study in this survey course are English literature and writing skills. Students will have extensive practice in writing essays of literary analysis. Major works may include Beowulf, The Canterbury Tales, and the Renaissance poets. Summer reading is required.

**Junior Honors English (11205) B****.50 Credit****Grade 11**

This course continues the study of English literature, literary terms, and writing skills.

A research paper involving a British author or British history is one of the writing assignments, and major works this term can include Macbeth, Frankenstein, and Wuthering Heights.

**Course Level:** This is a 2-level course designed for advanced college-preparatory students. This course meets daily for one period.

**Prerequisites:** At least a C average in Sophomore Honors English or permission of the department chair. Good study skills and attendance are needed for success in this course.

**Junior English (11405) A****.50 Credit****Grade 11**

Junior English is a survey course of American literature beginning with the Colonial Period through the Transcendentalists. Major works may include The Crucible, those of Poe, Emerson, Thoreau, and Twain's Huckleberry Finn. In addition, there is work with grammar, vocabulary, and essay writing.

**Junior English (11405) B****.50 Credit****Grade 11**

Junior English B continues the literature survey, beginning with the Civil War and continuing into the Modern writers. Work on the state career passport, short stories, poetry, and major works The Great Gatsby and A Raisin in the Sun are included.

**Course Level:** This course is designed for the average student. This course (A and B levels) meets daily for one period.

**Prerequisites:** Students should have completed Sophomore English.

**Advanced Placement English (12105)****1.00 Credit****Grade 12**

Major areas of study are the literary genres of drama, poetry, and novels. Extensive readings including such major works including but not limited to: Othello, Light in August, Hamlet, Oedipus Rex, The Stranger, All Quiet on the Western Front, and Death of a Salesman. Great emphasis is placed on essays of literary analysis. Students who enroll in this class are strongly encouraged to take the Advanced Placement Examination, for which they may receive college English credit. Summer reading is required.

**Course Level:** This is an advanced placement course designed for advanced college-preparatory students. This course meets daily for one period.

**Prerequisites:** At least a C average in Junior Honors English (11205) or permission of the department chair. Good study skills and attendance are needed for success in this course.

**Senior English (12405) A****.50 Credit****Grade 12**

Senior English A is designed to prepare students to write essays and to think critically. Essays include reflective narratives, expository (cause-effect), research, and persuasive with research. Students will also read model essays, complete journal entries, and study grammar as it relates to writing.

**Senior English (12405) B****.50 Credit****Grade 12**

During the second part (B), students will read major novels and drama such as Macbeth, Montana 1948, Woman Warrior, Fences, and Death of a Salesman as possible selections. Students will also complete their Career Passport for the state of Ohio.

**Course Level:** This course is designed for the average student. Both A and B meet daily for one period.

**Prerequisites:** Students must have passed Junior English.

**Understanding Film and Media (54405) A****.50 Credit****Grades 11-12**

Students will broaden their understanding of film history and gain media literacy through the examination of film history, propaganda techniques, and the effect of the market economy on media and film production. Students will also learn methods of propaganda, film analysis, digital technology, and film creation. Lastly, students will examine theater and methods to produce a character and bring that character to life. This course is taken in addition to a student's normal English course. This course meets daily for one period.

**Prerequisites:** 11<sup>th</sup>-12<sup>th</sup> grade standing

**Film and Media Production (54405) B****.50 Credit****Grades 11-12**

In this second half, students will learn film budgeting and production techniques and will be group-focused as they write, direct, edit, and produce one motion picture and two advertising campaigns. In addition, students will examine marketing techniques and research career opportunities in the world of film.

**Prerequisites:** Successful completion of 54405 A

**Creative Writing (17402)****.50 Credit****Grades 11-12**

The course will help students to develop their imaginative and expository writing skills as applied to poetry, short stories, and personal essays. This class meets every day for one semester and fulfills one-half of the fine arts graduation credit requirement in the recommended college preparatory program for Ohio colleges.

**Prerequisites:** Students must have passed Sophomore English and have a willingness to write.

**Speech (15402)****.50 Credit****Grades 11-12**

Students will examine theories and skills necessary to effective communication. Topics and activities include verbal and non-verbal communication, listening skills, communication breakdown, public speaking, oral interpretation, interviewing, and group discussion. This class meets every day for one semester and fulfills one-half of the fine arts graduation credit requirement for the recommended college preparatory program for Ohio colleges.

**Prerequisites:** Students must have passed Sophomore English and be willing to participate actively in class activities.

## FAMILY & CONSUMER SCIENCES DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9-10	College & Career Planning (19409)	0.50	None
9-10	Savvy Consumer (09509)	0.50	None
9-10	Nutrition & Wellness (33609)	0.50	None- Needs appropriate behavior for lab environment
11-12	Financial Literacy (35409)	0.50	None
11-12	Healthy Living (11509)	0.50	None-Needs appropriate behavior for lab environment
11-12	Child Development (34609)	0.50	None
9-12	GRADS AC (11609)	0.00	See note in description
9-12	GRADS DC (12609)	0.50	See note in description

**College & Career Planning (19409)                      .50 Credit                      Grades 9 – 10**

Are you going to college? Students create an individual portfolio that depicts their college and career plans. The emphasis of the course is college investigation and career exploration with skill development in decision-making, study habits, test taking, communication and using technology. Topics may include self assessment, pre-college preparation, career clusters, choosing the right college, mastering standardized tests, determining financial aid, and campus life.

**Prerequisites:** None.

**Fee:** \$10.00 to cover portfolio, supplies and materials

**Savvy Consumer (09509)                      .50 Credit                      Grades 9 – 10**

This course is designed to help students make informed choices related to consumer purchases. The student will develop attitudes and skills to understand advertisement's affect on purchasing decisions; the various methods of purchasing goods and services; how to avoid consumer fraud; the significance of food and clothing labels; the laws designed to help consumers; the responsibility and rights of consumers; the agencies governing consumer purchases; and the use and conservation of resources. The student is responsible for maintaining a three-ring binder.

**Prerequisites:** None

**Nutrition & Wellness (33609)                      .50 Credit                      Grades 9 – 10**

Nutrition & Wellness students learn strategies to develop wellness and good health that meet physical, emotional, psychological and social needs. Students will explore a variety of cultures and eating habits that affect health and body weight. Students will practice food safety and learn environmentally friendly kitchen practices.

**Prerequisites:** None. Appropriate behavior for the foods lab is necessary.

**Fee:** \$15.00 to cover food and supplies

**Financial Literacy (35409)                      .50 Credit                      Grades 11 – 12**

Are you ready to be independent? Students enrolled in this course investigate skills necessary for independent living while at college and in the future through a hands-on simulated life experience that emphasizes work ethic and career success. The course emphasis is making informed consumer choices related to managing personal finances, checking and savings accounts, advantages and disadvantages of credit card use, protection from identity theft,

evaluating housing options, purchasing a car, evaluating insurance options, tax responsibilities, and planning life style activities. The student is responsible for maintaining a three-ring binder.

**Prerequisites:** None

**Healthy Living (11509)**

**.50 Credit**

**Grades 11 – 12**

Healthy Living students will apply nutrition principles and physical activity in lessons that promote healthy lifestyle choices meeting physical, social, psychological and emotional needs with an emphasis on conservation of many types of resources. Students will practice maintaining the safety and nutritional value of food when selecting, storing and preparing foods. Students will analyze their own eating and exercise habits and develop a personal wellness plan.

**Prerequisites:** None, appropriate behavior for foods lab is necessary.

**Fee:** \$15.00 to cover food and supplies

**Child Development (34609)**

**.50 Credit**

**Grades 11 – 12**

Child Development students learn how parents and child care providers meet the needs of infants and young children to provide for healthy growth and development. This course emphasizes parental readiness, prenatal care, child development, reading readiness, and stimulation of social, emotional and intellectual development in children. Students will demonstrate child-care skills through the use of an infant simulator.

**Prerequisites:** None

**GRADS AC (11609)**

**0.00 Credit**

**Grades 9 – 12**

**GRADS DC (12609)**

**0.50 Cr/Semester**

**Grades 9 – 12**

GRADS instruction focuses on pregnancy, prenatal development, child development, parenting, employment skills, economic independence and enhancing self-esteem. Support and referrals with community agencies is offered. The course meets each day for one period for students receiving credit-GRADS Daily Class (DC) or by arrangement for students receiving no credit in the GRADS Alternate Class (AC).

**Prerequisites:** GRADS is available to pregnant and parenting students, male and female.

Students may enter the course anytime during the school year. This course is repeatable each year.

## FOREIGN LANGUAGE DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9-12	French 1 (11406) A & B	1.00	None
9-12	German 1 (12406) A & B	1.00	None
9-12	Spanish 1 (13406) A & B	1.00	None
10-12	French 2 (21406) A & B	1.00	French 1
10-12	German 2 (22406) A & B	1.00	German 1
10-12	Spanish 2 (23406) A & B	1.00	Spanish 1
11-12	Honors Spanish 3 (33206) A & B	1.00	Spanish 2
11-12	Honors French 3 (31206) A & B	1.00	French 2
11-12	Honors German 3 (32206) A & B	1.00	German 2
11-12	French 3 (31406) A & B	1.00	French 2
11-12	German 3 (32406) A & B	1.00	German 2
11-12	Spanish 3 (33406) A & B	1.00	Spanish 2
12	Adv. Plcmt. French (41106)	1.00	French 3
12	Adv. Plcmt. German (42106)	1.00	German 3
12	Adv. Plcmt. Spanish (43106)	1.00	Spanish 3
12	Honors French 4 (41206)	1.00	French 3
12	Honors German 4 (42206)	1.00	German 3
12	Honors Spanish 4 (43206)	1.00	Spanish 3

### **Advanced Placement French 4 (41106) 1.00 Credit**

**Grade 12**

In this course students will be expected to perform at the level of a college French course. Students will do extensive readings, review all points of grammar, write extensive essays, prepare and carry out oral presentations, and polish listening skills. Readings will include works by St-Exupery, Camus and Dumas. The course culminates with the Advanced Placement exam. The course meets daily.

**Course Level:** Advanced Placement French 4 is designed for the student who expects to take the Advanced Placement exam.

**Prerequisite:** French 3B.

### **Advanced Placement German 4 (42106) 1.00 Credit**

**Grade 12**

In this course students will be expected to perform at the level of a college German course. Students will do extensive readings, review all points of grammar, write extensive essays, prepare and carry out oral presentations, and polish listening skills.

Readings will include works by Wondratschek, Bichsel, Werner and Wohmann. The course culminates with the Advanced Placement exam. The course meets daily.

**Course Level:** Advanced Placement German 4 is designed for students who expect to take the Advanced Placement exam.

**Prerequisite:** German 3B.

**Advanced Placement Spanish 4 (43106)      1.00 Credit      Grade 12**

In this course students will be expected to perform at the level of a college Spanish course. Students will do extensive readings, review all points of grammar, write extensive essays, prepare and carry out oral presentations, and polish listening skills.

Readings will include works by Pardo-Bazán, Adolph, Cela and Matute. The course culminates with the Advanced Placement exam. The course meets daily.

**Course Level:** Advanced Placement Spanish 4 is designed for the student who expects to take the Advanced Placement exam.

**Prerequisite:** Spanish 3B.

**French 1A (11406)      .50 Credit      Grades 9 – 12**

In this course students are introduced to the language, people, and culture of French-speaking countries. Students are expected to begin to develop the skills of listening, reading, writing, and speaking. Topics include Nationality, Counting, Family, Foods, Time and Weather. The course meets daily.

**Fee: \$15.00**

**French IB (11406)      .50 Credit      Grades 9 – 12**

This course is a continuation of the four language skills in a cultural context. Topics include City Places, Transportation, Directions, Neighborhood, Family members, Sports, Clothing, Clothing stores, Chores, Transportation and Foods.

**Prerequisite:** French IA

**French 2A (21406)      .50 Credit      Grades 10 – 12**

In this course students will continue to develop the four skills of language learning and further their study of the French people and culture. Students will expand their vocabulary. Topics include School subjects, Place names, Family and Friends, Professions, Farm, Animals, and Meals. The course meets daily.

**Prerequisite:** French 1B

**French 2B (21406)      .50 Credit      Grades 10 – 12**

This course is a continuation of the four language skills in a cultural context. Topics include Places, Movie types, Body parts, Health terms, Personal care, Rooms, Furniture/Appliances, Clothing and Clothing stores. The course meets daily.

**Prerequisite:** French 2A

**French 3A (31406)      .50 Credit      Grades 11 – 12**

In this course students will continue to practice the four language skills at a higher level. Short reading selections will be studied. Frequent oral presentations, audio practice, and written work in a cultural context will also be required. Topics include Seasonal activities/Vacations, Everyday life, Shopping and Leisure activities. The course meets daily.

**Prerequisite:** French 2B.

**French 3B (31406)      .50 Credit      Grades 11 – 12**

In this course students will continue to study the four language skills in a cultural context. Topics include Expressions of doubt, Geographical vocabulary, Societal problems, French customs and Exercise/Nutrition. The course meets daily.

**Prerequisite:** French 3A

**German 1A (12406)****.50 Credit****Grades 9 – 12**

In this course students are introduced to the language, people, and culture of German-speaking countries. Students are expected to begin to develop the skills of listening, reading, writing, and speaking. Topics include Greetings/Farewells, Numbers, Family, Time, Shopping, School and Classroom. The course meets daily.

**German 1B (12406)****.50 Credit****Grades 9 – 12**

This course is a continuation of the four language skills in a cultural context. Topics include Food, Clothing, Hobbies/Sports, Entertainment, Transportation and Musical Instruments. The course meets daily.

**Prerequisite:** German 1A.**German 2A (22406)****.50 Credit****Grades 10 – 12**

In this course students will continue to develop the four skills of language learning and further their study of the German people and culture. Students will expand their vocabulary. Topics include Transportation, Accommodations, Camping, Home Life, Animals, Food and Shopping. The course meets daily.

**Prerequisite:** German 1B.**German 2B (22406)****.50 Credit****Grades 10 – 12**

This course is a continuation of the four language skills in a cultural context. Topics include Hobbies/Interests, Festivals/Holidays, Means of Communication, Health and Car Parts. The course meets daily.

**Prerequisite:** German 2A**German 3A (32406)****.50 Credit****Grades 11 – 12**

In this course students will continue to practice the four language skills at a higher level. Short reading selections will be studied. Frequent oral presentations, audio practice, and written work in a cultural context will also be required. Topics include German History 800 to 1945, Life in Present Day Germany, Families, Austria and Job interviews. The course meets daily.

**Prerequisite:** German 2B**German 3B (32406)****.50 Credit****Grades 11 – 12**

This course is a continuation of the four language skills in a cultural context. Topics include German History 1945 to Present, Relationships, Health/Nourishment, Landscape/Climate and Politics. The course meets daily.

**Prerequisite:** German 3A**Spanish 1A (13406)****.50 Credit****Grades 9 – 12**

In this course students are introduced to the language, people, and culture of Spanish-speaking countries. Students are expected to begin to develop the skills of listening, reading, writing, and speaking. Topics include Greetings/Introductions, Alphabet, Numbers, Calendar, Classroom, and Time. The course meets daily.

**Fee: \$15.00****Spanish 1B (13406)****.50 Credit****Grades 9 – 12**

This course is a continuation of the four language skills in a cultural context. Topics include Activities, Feelings, Sports, Weather, and Shopping. The course meets daily.

**Prerequisite:** Spanish IA

**Spanish 2 A(23406)****.50 Credit****Grades 10 – 12**

In this course students will continue to develop the four skills of language learning and further their study of the Spanish people and culture. Students will expand their vocabulary. Topics include School life, Likes and dislikes, Travel, Art/Food, Communications, and Childhood.

The course meets daily.

**Prerequisite:** Spanish 1B.

**Spanish 2B (23406)****.50 Credit****Grades 10 – 12**

This course is a continuation of the four language skills in a cultural context. Topics include Celebrations, Ordinal numbers, Ordering Food, Chores, Body parts, Rooms/Furniture and Appliances. The course meets daily.

**Prerequisite:** Spanish 2A

**Spanish 3A (33406)****.50 Credit****Grades 11 – 12**

In this course students will continue to practice the four skills of language at a higher level. Short reading selections will be studied. Frequent oral presentations, audio practice, and written work in a cultural context will also be required. Topics include

Spanish-speaking countries, Physical characteristics, Fashion/Clothing and Chores

The course meets daily.

**Prerequisite:** Spanish 2B.

**Spanish 3B (33406)****.50 Credit****Grades 11 – 12**

In this course students will continue to practice the four skills of language at a higher level in cultural context. Topics include Volunteerism, Ecology/Environment, Animals Aquatics, and Celebrations. The course meets daily.

**Prerequisite:** Spanish 3A

**Honors French 3A (31206)****.50 Credit****Grades 11 – 12**

Students in this course will practice the same skills and topics as those practiced in French 3; however, students will be held to a higher standard and have extra assignments and evaluations. The topics are the same as for College Prep French 3A. This course meets daily.

**Course Level:** Honors French 3A is designed for advanced college preparatory students.

**Prerequisite:** French 2B and teacher recommendation

**Honors French 3B (31206)****.50 Credits****Grades 11 – 12**

Students in this course will practice the same skills and topics as those in French 3B; however, students will be held to a higher standard and have extra assignments and evaluations. This course meets daily.

**Course Level:** Honors French 3B is designed for advanced college preparatory students.

**Prerequisite:** Honors French 3A

**Honors French 4 (41206)****1.00 Credit****Grade 12**

In this course students will continue to develop the four skills and perform at the level of a College French course. Students will read selections on various topics, review all points of grammar, write extensive compositions, give oral presentations, and polish listening skills.

The literary works are the same as for AP French. The class meets daily.

**Course Level:** French 4 is designed for any student who wishes to continue a fourth year of language study, but who does not want to take the Advanced Placement exam.

**Prerequisite:** French 3B.

**Honors German 3A (32206)****.50 Credit****Grades 11 – 12**

In this course students will practice the same skills and topics as those practiced in German 3A; however, students will be held to a higher standard and have extra assignments and evaluations. The course meets daily.

**Course Level:** Honors German 3A is designed for advanced college preparatory students.

**Prerequisite:** German 2B and teacher recommendation.

**Honors German 3B (32106)****.50 Credit****Grades 11 – 12**

In this course students will practice the same skills and topics as those practiced in German 3B; however, students will be held to a higher standard and have extra assignments and evaluations. The course meets daily.

**Course Level:** Honors German 3B is designed for advanced college preparatory students.

**Prerequisite:** Honors German 3A

**Honors German 4 (42206)****1.00 Credit****Grade 12**

In this course students will continue to develop the four skills and perform at the level of a College German course. Students will read selections on various topics, review all points of grammar, write extensive composition, give oral presentations, and polish listening skills. The literary works are the same as for AP German. The course meets daily.

**Course Level:** German 4 is designed for any student who wishes to continue a fourth year of language study, but who does not want to take the Advanced Placement exam.

**Prerequisite:** German 3B

**Honors Spanish 3A (33206)****.50 Credit****Grades 11 – 12**

In this course students will practice the same skills and topics as those practiced in Spanish 3A; however, students will be held to a higher standard and have extra assignments and evaluations. The course meets daily.

**Course Level:** Honors Spanish 3A is designed for advanced college preparatory students.

**Prerequisite:** Spanish 2B and teacher recommendation

**Honors Spanish 3B (33206)****.50 Credit****Grades 11 – 12**

In this course students will practice the same skills and topics as those practiced in Spanish 3B; however, students will be held to a higher standard and have extra assignments and evaluations. The course meets daily.

**Course Level:** Honors Spanish 3B is designed for advanced college preparatory students.

**Prerequisite:** Honors Spanish 3A

**Honors Spanish 4 (43206)****1.00 Credit****Grade 12**

In this course students will continue to develop the four skills topics and perform at the level of a College Spanish course. Students will read selections on various topics, review all points of grammar, will write extensive compositions, give oral presentations, and polish listening skills. The literary works are the same as for AP Spanish. The course meets daily.

**Course Level:** Spanish 4 is designed for any student who wishes to continue a fourth year of language study, but who does not want to take the Advanced Placement exam.

**Prerequisite:** Spanish 3B

## INDUSTRIAL TECHNOLOGY DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9-12	Woodworking (11610) A & B	1.00	None
10-12	Advanced Woodworking (11510) A & B	1.00	Woodworking
10-11	Pre-Engineering (19410) A & B	0.50	2.50 GPA
10-12	Engineering Drawing (90510) A & B	1.00	Integrated Math 1
10-12	Advanced Drafting (10510) A & B	1.00	Engineering Drawing or Architecture
10-12	Wood Sculpture (15502) A & B	1.00	Woodworking
10-12	Architecture (14510) A & B	1.00	Integrated Math 1
10-12	Introduction to Welding (13610) A & B	1.00	None
10-12	Wood Sculpture (15502) A & B	1.00	Woodworking
9-12	Small Engines (16610) A & B	1.00	None

### **Woodworking (11610) A**

**.50 Credit**

**Grades 9 – 12**

In this introductory course, student will learn the safe and proper use of both hand tools, and stationary power tools. Students will also learn the necessary skills needed to successfully plan a project. This includes: measuring, developing a plan, and interpreting drawings. Student will have to pass both a written, and an individually supervised performance test for all tools presented. Also, student will learn the importance of maintaining a safe shop environment.

**Prerequisite:** None

**Fee: \$30.00**

### **Woodworking (11610) B**

**.50 Credit**

**Grades 9 – 12**

This is a continuation of the first semester of Woodworking. Student will learn how to create a set of plans that include a working drawing, plan or procedure, and a bill of material. Students are required to build their project according to plans. Emphasis will be placed on box construction.

**Prerequisite:** None

**Fee: \$30.00**

### **Advanced Woodworking (11510) A**

**.50 Credit**

**Grades 10 – 12**

This course requires that a student successfully complete woodworking. Student will review all aspects of basic woodworking, and learn advanced woodworking technique, which include cabinet and furniture construction.

**Prerequisite:** Woodworking

**Fee: \$35.00**

### **Advanced Woodworking (11510) B**

**.50 Credit**

**Grades 10 – 12**

This course is a continuation of the first semester of Advanced Woodworking. It includes further study of power tool potential, for use in production methods, as well as maintenance of shop and equipment for safe and efficient operation. Furthermore, student will learn basic fundamental skills associated with carpentry.

**Prerequisite:** Woodworking

**Fee: \$35.00**

**Engineering Drawing (90510) A****.50 Credit****Grades 10 – 12**

In this course students will learn to create drawing and documents needed to solve design problems. Students will learn fundamental drafting skills that include: sketching, pictorials, and orthographic drawings. Throughout the year students will be given design problems which they will solve using fundamental drafting skills.

**Prerequisite:** Integrated Math 1**Fee: \$20.00****Engineering Drawing (90510) B****.50 Credit****Grades 10 – 12**

This course is a continuation of the first semester of Engineering Drawing. Student can expect to create drawings and documents both manually and also with the aid of a computer. Shop procedures and the ability to work with both hand and power tools are extremely critical in that students will be required to construct models and projects.

**Prerequisite:** Integrated Math 1**Fee: \$20.00****Advanced Drafting (10510) A****.50 Credit****Grades 10 – 12**

This course requires a student possess a basic knowledge of drafting. Initially, students will review all areas of drafting through sketching and instrument drawing. Once the review is completed, student will then focus on developing skills in computer aided drawing. Student will also be given design problems in which they will have to solve by creating models based on their design.

**Prerequisite: Engineering Drawing or Architecture****Fee: \$20.00****Advanced Drafting (10510) B****.50 Credit****Grades 10 – 12**

This course is a continuation of the first semester of Advanced Drafting with heavy emphasis on Auto-Cad. Student will further their knowledge of drafting in specialized areas such as; architectural, electronic, and pattern and surface development. Also, student will learn how CAD drawings are used in industry.

**Fee: \$20.00****Wood Sculpture (15502) A****.50 Credit****Grades 10 – 12**

This course is designed to give the student the opportunity for self-expression in woodworking. Students will gain an appreciation for sculpture in our society, and learn to create free form projects and models through a number of different techniques. Although wood is the primary medium, other materials will be used as well. Student must be able to employ the principals of design, create a working drawing, and possess basic woodworking skills.

**Prerequisite:** Woodworking**Fee: \$25.00****Wood Sculpture (15502) B****.50 Credit****Grades 10 – 12**

This course is a continuation of the first semester of wood Sculpture. Students will further their knowledge in wood sculpture by learning how wood is used to create molds for a vast array of every day projects. Also, student will be responsible for creating a self-design project that requires a set of plans and sound principals of design.

**Prerequisite:** Woodworking**Fee: \$25.00**

**Architecture (14510) A****.50 Credit****Grades 10 – 12**

In this course students will learn the different styles and periods of architecture, and residential drawing and design. Furthermore, students will learn how to prepare a full set of architectural plans such as a plot plan, elevation, floor plans, and mechanical plans. Also, the student will have an opportunity to design and construct residential models. This class requires a student possess basic drafting skills.

**Prerequisite:** Integrated Math 1**Fee: \$20.00****Architecture (14510) B****.50 Credit****Grades 10 – 12**

This course is a continuation of the first of Architecture. Students will further their knowledge in residential drawing and design with the use of Auto-Cad. Students will complete a full set of residential, and are required to construct models based on their design.

**Prerequisite:** Integrated Math 1**Fee: \$20.00****Introduction to Welding (13610) A****.50 Credit****Grades 10 – 12**

In this course, students will learn different types of welding and the proper welds to be used on various metals. The **first semester** will focus on safety, proper work ethics, and the use of hand and power tools. Students will be then introduced to welding.

**Prerequisite:** None**Fee: \$25.00** for materials.**Introduction to Welding (13610) B****.50 Credit****Grades 10 – 12**

The **second semester** course will focus on the types of welding: Oxy Fuel Welding (OF), Shield/Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc (GTA). Brazing and soldering will be included in the course, as well as a study of occupations and related occupations in welding. The course meets daily.

**Prerequisite:** None**Fee: \$25.00** for materials.**Pre-Engineering (19410)****.50 Credit****Grades 10 – 11**

This is a semester course which is designed to provide an introduction to engineering and excite students about engineering and related fields. Centered primarily on mechanical engineering, the course will cover the history of engineering, engineering ethics, the approach to creative problem solving, and the engineering design method. The course will additionally emphasize the importance of working cooperatively in teams to solve problems and the importance of communication skills.

**Prerequisite:** 2.50 GPA. **Fee: \$25.00****Small Engines (16610) A****1.00 Credit****Grades 9 – 12**

In the **first semester** students will learn shop safety and proper tool usage. Students will study different energy sources, types of power, and the uses, functions, and operations of small engines.

**Prerequisite:** None**Fee: \$20.00** for basic materials.

**Small Engines (16610) B**

**1.00 Credit**

**Grades 9 – 12**

During the **second semester** students will troubleshoot, dismantle, and repair various small engines. Detail lab work includes work on engine rebuilding, carburetor rebuilding, and ignition systems, starting systems, and charging system service. The course meets daily.

**Prerequisite:** None

**Fee:** \$20.00 for basic materials.

## MATHEMATICS DEPARTMENT

GR.	COURSE TITLE	CR.	PREREQUISITE
9	Algebra 1 (90311 A and B)	1.00	Passing the 7 <sup>th</sup> and/or 8 <sup>th</sup> grade Ohio Achievement test, or teacher recommendation
9	Integrated Math 1 (90411 A and B)	1.00	Low scores on both the 7 <sup>th</sup> and 8 <sup>th</sup> grade Ohio Achievement Tests
9 or 10	Honors Algebra 2 (90211 A and B)	1.00	C or better average in Honors Algebra 1 and Honors Geometry
10	Geometry (10311 A and B)	1.00	Algebra 1 and/or Algebra 2, or Honors Algebra 1 and/or Honors Algebra 2 with less than a C average
10	Integrated Math 2 (10411 A and B)	1.00	Integrated Math 1
10-11	Integrated Math 3 (11411 A and B)	1.00	Integrated Math 2
11-12	Algebra 2 (12311 A and B)	1.00	Algebra 1 and/or Geometry, or Integrated Math 3
11-12	Trigonometry & Statistics (13411 A and B)	1.00	Algebra 2, or Honors Algebra 2
11-12	Honors Pre-Calculus (11211 A and B)	1.00	Honors Geometry and Honors Algebra 2 with a C or better average in each, or Trigonometry & Statistics
12	Advanced Placement Calculus AB (12111)	1.00	Honors Pre-Calculus with a C or better average
12	OGT Math (12511)	0.50	Failed Math OGT
11-12	Engineering 1 (29411 A and B)	1.00	Algebra 2 or higher course

### **Advanced Placement Calculus AB (12111)**

**1.00 Credit**

**Grade 12**

This year-long course will explore the basic concepts of calculus at the college level. Through the combination of theory and applications on the graphic calculator, the student will gain further insight into the structure of calculus. Topics which will be covered in depth include related rates, extreme values, mean-value function, volumes of revolution, and fundamental theorem of calculus. Each student will be required to have their own personal graphing calculator daily in class. This course is designed for the student who expects to take the Advanced Placement examination in May.

**Prerequisite:** passing Honors Pre-Calculus with a C or better average

### **Algebra 1 (90311) A**

**0.50 Credit**

**Grade 9**

This course is designed to develop algebraic skills and mathematical thought process. Included in this course is a strong foundation in algebra, equations, inequalities, linear functions, and systems of equations and inequalities. Each student will be required to have their own scientific calculator daily for class.

**Prerequisite:** passing the 7<sup>th</sup> and/or 8<sup>th</sup> grade Ohio Achievement Test, a C or lower average in eighth grade Algebra, or teacher recommendation

### **Algebra 1 (90311) B**

**0.50 Credit**

**Grade 9**

This course is designed to develop algebraic skills and mathematical thought process. Included in this course is a strong foundation in exponents and polynomials, factoring polynomials,



**Honors Pre-Calculus (11211) A**                      **0.50 Credit**                      **Grade 11 or 12**  
Emphasizing the development of the underlying structure of mathematics, this course is a more in depth look at previously studied concepts and applications. Some of the major topics covered are prerequisites, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and trigonometry. Each student will be required to bring their own graphing calculator to class daily.  
**Prerequisite:** passing Honors Geometry and Honors Algebra 2 with a C or better average, or Trigonometry & Statistics

**Honors Pre-Calculus (11211) B**                      **0.50 Credit**                      **Grade 11 or 12**  
Emphasizing the development of the underlying structure of mathematics, this course is a more in depth look at previously studied concepts and applications. Some of the major topics covered are analytic trigonometry, additional topics in trigonometry, topics in analytic geometry, systems of equations and inequalities, matrices and determinants, sequences, series, and probability. Each student will be required to bring their own graphing calculator to class daily.  
**Prerequisite:** passing Honors Pre-Calculus A

**Integrated Math 1 (90411) A**                      **0.50 Credit**                      **Grade 9**  
This course is a review of the fundamental mathematical understanding covered on the eighth grade achievement test. Major topics to be covered are data and graphs, measurements, real number and variable expressions, two and three dimensional geometry, equations and inequalities. Each student will be required to purchase an Ohio Graduation Test scientific calculator and bring it to class daily.  
**Prerequisite:** Low scores on the 7<sup>th</sup> and/or 8<sup>th</sup> grade Ohio Achievement Tests, difficulties in the 8<sup>th</sup> grade math course

**Integrated Math 1 (90411) B**                      **0.50 Credit**                      **Grade 9**  
This course is a review of the fundamental mathematical understanding covered on the eighth grade achievement test. Major topics to be covered are equations and percents, functions and graphs, relationships in geometry, probability, and polynomials. Each student will be required to purchase an Ohio Graduation Test scientific calculator and bring it to class daily.  
**Prerequisite:** passing Integrated Math 1 A

**Integrated Math 2 (10411) A**                      **0.50 Credit**                      **Grade 10**  
This course is a development of the data analysis skills, algebra, and geometry necessary to pass the Ohio Graduation Test in Mathematics. The major topics to be covered are sampling and displaying data, foundations of algebra, equations and inequalities, probability, and three dimensional geometry. Each student will be required to purchase an Ohio Graduation Test scientific calculator and bring it to class daily.  
**Prerequisite:** passing Integrated Math 1

**Integrated Math 2 (10411) B**                      **0.50 Credit**                      **Grade 10**  
This course is a development of the geometry, algebra, and trigonometric skills necessary to pass the Ohio Graduation Test in Mathematics. The major topics to be covered are logic and geometry, graphing functions, systems of equations and inequalities, polynomials, and right triangle trigonometry. Each student will be required to purchase an Ohio Graduation Test scientific calculator and bring it to class daily.  
**Prerequisite:** passing Integrated Math 2 A

**Integrated Math 3 (11411) A**                      **0.50 Credit**                      **Grade 10 or 11**

This course is a combination of numbers sense, algebra, geometry, and measurement. Major topics to be covered are essential mathematics, essential algebra, and statistics, geometry and reasoning, Ohio Graduation Test review, triangles, quadrilaterals and other polygons, and measurement. Each student will be required to purchase an Ohio Graduation Test scientific calculator and bring it to class daily.

**Prerequisite:** passing Integrated Math 2, or an A- or better average in Integrated Math 1

**Integrated Math 3 (11411) B**                      **0.50 Credit**                      **Grade 10 or 11**

This course is a combination of numbers sense, geometry, measurement, data analysis, and functions. Major topics to be covered are linear systems of equations, transformations, probability and statistics, right triangles, trigonometry, polynomials, and quadratic functions. Each student will be required to purchase an Ohio Graduation Test scientific calculator and bring it to class daily.

**Prerequisite:** passing Integrated Math 3 A

**OGT Math (12511)**                      **0.50 Credit**                      **Grade 12**

This course is designed to help students who need additional practice to pass the Ohio Graduation Test. It will provide students with an in depth look at the six math standards on the test. Topics covered will be number and number sense, measurements, algebra, data analysis, geometry, and mathematical process. Each student will be required to purchase an Ohio Graduation Test scientific calculator and bring it to class daily.

**Prerequisite:** The need to pass the Ohio Graduation Test in Mathematics.

**Trigonometry & Statistics (13411) A**                      **0.50 Credit**                      **Grade 11 or 12**

This course is a combination of trigonometric number sense, geometry, measurement, trigonometric functions, data analysis, and statistics. It will cover linear and quadratic functions, polynomial functions, inequalities, functions, and exponents. Each student will be required to purchase an Ohio Graduation Test scientific calculator or graphing calculator and bring it to class daily.

**Prerequisite:** Algebra 2, or Honors Algebra 2 and Honors Geometry

**Trigonometry & Statistics (13411) B**                      **0.50 Credit**                      **Grade 11 or 12**

This course is a combination of trigonometric number sense, geometry, measurement, trigonometric functions, data analysis, and statistics. It will cover logarithms, trigonometric functions, trigonometric equations and applications, triangle trigonometry, probability, statistics, curve fitting and models. Each student will be required to purchase an Ohio Graduation Test scientific calculator or graphing calculator and bring it to class daily.

**Prerequisite:** Trigonometry and Statistics A

**Engineering 1 (29411) A**                      **0.50 Credit**                      **Grade 11 – 12**

This is a one semester elective. In this course students will learn how math and science are use to design technologies like HDTV and digital video. Students will be involved in hands on labs that investigate the engineering used in creating and modifying digital images. Also, students will design, create, and test bridge constructions by using computer simulations. In addition, students will be introduced to robotics. Using calculators, students will learn to control simple robot movements. Students will program robot cars to follow paths and challenge other robots in head to head competition. Finally, using computer design software students will create three-dimensional objects.

**Prerequisite:** Algebra 2 or higher

**Engineering 1 (29411) B****0.50 Credit****Grade 11 – 12**

This is a one semester elective. In this course students will learn how math and science are use to design technologies like MP3 players and electronic music. Students will be involved in hands on labs that investigate creating and modifying digital sound. This includes the study of wireless communication. Also, students will learn to design, assemble, and program robots that respond to objects they encounter. In addition, using computer design software students will work in three dimensions by creating and designing unique models. Finally, students will be involved in some engineering competitions.

**Prerequisite:** passing Engineering 1 A

## MUSIC DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9-12	Women's Chorus (E1512)	1.00	See Description
9-12	Men's Chorus (E2512)	1.00	See Description
9-12	Choral Masters A (11512)	1.00	Audition
9-12	Choral Masters B (13512)	0.50	Audition
9-12	Concert Band/March (31512)	1.25	See Description
9-12	Flag Corps (71012)	0.50	Audition
9-12	Forte! (91512)	1.00	Audition
9-12	Jazz Band (58512)	0.50	Audition
9-12	Majorettes (61012)	0.50	Audition
9-12	Music Appreciation (14512)	0.50	None
9-12	Music Theory (12412)	0.50	None
9-12	String Orchestra (41512)	1.00	See Description
9-12	Varsity Chorale (12512)	1.25	Audition
10-12	Hon. Conc. Band/Mar(31212)	1.25	None
10-12	Honors String Orchestra (41212)	1.00	See Description
10-12	Honors Varsity Chorale (12212)	1.25	Audition

## BAND CLASSES

### **Concert Band/March (31512)      1.25 Credit      Grades 9-12**

**Band is a year long course and all members are required to participate both 1<sup>ST</sup> & 2<sup>ND</sup> semesters.**

Marching/Concert Band meets daily. Students transferring into Euclid from other districts are required to audition with the director. Similarly, students within the Euclid district who have not participated in the feeder program at Central or Forest Park are also required to audition with the director. Band Camp 2009 is June 15-19 and June 22-26. The marching band performs throughout football season, at parades, festivals, tours, and halftime shows. Marching Band becomes Concert Band in November. All band members are required to participate in both marching and concert band. Attendance at all rehearsals and performances, including summer band camp, is mandatory. Students are required to comply with all guidelines stated in the EHS Music Department Handbook. Students who enroll in band are required to participate for the duration of the school year. The deadline to drop band is May 15. This deadline is earlier than other courses since the band is formed in May and begins rehearsals in June.

**Fees:** \$40.00 Uniform cleaning and \$20.00 Instrument use.

### **Honors Concert Band/March (31212)      1.25 Credit      Grades 9-12**

**Honors Band is a year long course and all members are required to participate both 1<sup>ST</sup> & 2<sup>ND</sup> semesters.**

Honors Marching/Concert Band meets daily. Honors Concert Band/March is comprised of select students from Concert Band/March. Honors Band meets simultaneously with Band, but students enrolled in Honors level Band will complete additional requirements such as participating in OMEA Solo & Ensemble Contest, attending outside concerts, and writing

reports. Band Camp 2009 is June 15-19 and June 22-26. The marching band performs throughout football season, at parades, festivals, tours, and halftime shows. Marching Band becomes Concert Band in November. All band members are required to participate in both marching and concert band. Attendance at all rehearsals and performances, including summer band camp, is mandatory. Students are required to comply with all guidelines stated in the EHS Music Department Handbook. Students who enroll in band are required to participate for the duration of the school year. The deadline to drop band is May 15. This deadline is earlier than other courses since the band is formed in May and begins rehearsals in June.

**Fees:** \$40.00 Uniform cleaning and \$20.00 Instrument use.

### **Jazz Band (98512)**

**.50 Credit**

**Grades 9-12**

**Jazz Band is a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Euclid High School's "East 222nd Street Jazz" meets weekly after school and receives .50 credit. Participation is **by audition only**. Jazz band is comprised of advanced saxophone, trumpet, trombone, bass, guitar, piano, and drum set. Students who enroll in jazz band must also be enrolled in **Concert Band/March (31512)** except for non-band instruments which include piano, bass, and guitar. Auditions are held in September and the class list submitted to counselors at that time. "East 222nd Street Jazz" has an extensive performance schedule including school concerts, community events, jazz festivals, and field trips. Members of "East 222nd Street Jazz" have the opportunity to perform Big Band, Swing, Rock, and traditional Jazz literature. All rehearsals and performances are mandatory.

### **BAND AUXILIARY**

### **Flag Corps (71012)**

**0.50 Credit**

**Grades 9-12**

Flag Corps is an auxiliary unit of the marching band. Flag Corps meets daily with the marching band during marching band season and receives 0.50 credits. Acceptance into flag corps is **by audition only**. The organizational meeting is **Monday, March 23, 2009**. The audition clinics are **March 24-31**. Auditions are **April 1**. Following marching band season, flag corps members report to study hall. In May, they return to marching practice to prepare for the Memorial Day Parade. **A second semester class may not be scheduled.** Students will learn flag twirling skills, dance, and marching. Flag Corps begins the week of **June 8** with evening rehearsals. Band Camp 2009 is **June 15-19 and June 22-26**. The marching band performs throughout football season at parades, festivals, tours, and halftime shows. Attendance at all rehearsals and performances, including summer band camp, is mandatory. Students are required to comply with all guidelines stated in the EHS Music Department Handbook. . The deadline to drop band is **May 15**. This deadline is earlier than other courses since the band is formed in May and begins rehearsals in June. Flag Corps members are responsible for purchasing their uniforms.

## **Majorettes (61012)**

**0.50 Credit**

**Grades 9-12**

Majorettes is an auxiliary unit of the marching band. Majorettes meets daily with the marching band during marching band season and receives 0.50 credits. Acceptance into majorettes is **by audition only**. The organizational meeting is **Monday, March 23, 2009**. The audition clinics are **March 24-31**. Auditions are **April 1**. Following marching band season, majorettes report to study hall. In May, they return to marching practice to prepare for the Memorial Day Parade. **A second semester class may not be scheduled**. Students will learn baton twirling skills, dance, and marching. Majorettes begins the week of **June 8** with evening rehearsals. Band Camp 2009 is **June 15-19 and June 22-26**. The marching band performs throughout football season at parades, festivals, tours, and halftime shows. Attendance at all rehearsals and performances, including summer band camp, is mandatory. Students are required to comply with all guidelines stated in the EHS Music Department Handbook. . The deadline to drop band is **May 15**. This deadline is earlier than other courses since the band is formed in May and begins rehearsals in June. Majorettes are responsible for purchasing their uniforms.

## **ORCHESTRA**

### **String Orchestra (41512)**

**1.00 Credit**

**Grades 9-12**

**Orchestra is a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

String Orchestra is comprised of **string players only**. String Orchestra meets daily. Students will have the opportunity to perform major symphonic and pop literature from the orchestral repertoire. String Orchestra is open to any student who has participated in the middle school orchestra on violin, viola, cello, or string bass. Students who have not participated in the middle school's string program can join orchestra upon the approval of the director. There are limited openings for piano players. The string orchestra performs at the Winter and Spring Instrumental concerts, as well as a trip to Cedar Point, clinics, and field trips.

### **Honors String Orchestra (41212)**

**1.00 Credit**

**Grades 9-12**

**Orchestra is a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Honors String Orchestra meets simultaneously with String Orchestra, but requires that the student perform additional requirements such as participating in OMEA Solo and Ensemble Contest, attending outside concerts, and writing reports. Students will have the opportunity to perform major symphonic and pop literature from the orchestra repertoire. Students who wish to enroll in Honors Orchestra must submit an application to the director.

The orchestra performs at the Winter and Spring Instrumental concerts, as well as a trip to Cedar Point, clinics, and field trips.

# VOCAL GROUPS

## **Women's Chorus (E1512)**

**1.00 Credit**

**Grades 9-12**

**All Choirs are a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Women's Chorus is an all girl choir that meets every day during the school year. Admittance into this group is by a short, easy audition that will test your vocal range and how well you can match pitch. Students must complete this short audition before they can enroll in the class. Students do not need to have a background in choral singing to be in this group but do need to have a love of singing in choir and great attitude. Throughout the year, Women's Chorus will sing a variety of music styles from Broadway, Spirituals, and Pop. Students in this group will also learn music theory. All Women's Chorus members will be required to perform in the Holiday and Spring Vocal Concerts as part of their overall grade.

## **Choral Masters A (11512)**

**1.00 Credit**

**Grades 9-12**

**All Choirs are a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Choral Masters A is the advanced mixed choral ensemble at Euclid High School and is by audition only. Choral Masters A meets one period daily year round. In the audition, students must demonstrate proficiency in vocal ability, sight-reading, and music literacy. Choral Masters A is comprised of girls and boys, grades 10-12, with a few select ninth graders. Chorale Masters A performs a wide range of choral literature including sacred, holiday, jazz, Broadway, classical, and spirituals. Choral Masters A performs at the Holiday and Spring concerts in addition to the Lake Erie League Festival and other community performances. Attendance at all rehearsals and performances is mandatory.  
**Fee:** \$5.00 per year for robe cleaning.

## **Choral Masters B (13512)**

**0.50 Credit**

**Grades 9-12**

**All Choirs are a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Choral Masters B is the same as Choral Masters A but meets opposite a science lab. Choral Masters B is the advanced mixed choral ensemble at Euclid High School and is by audition only. Choral Masters B meets one period daily year round. In the audition, students must demonstrate proficiency in vocal ability, sight-reading, and music literacy. Choral Masters B is comprised of girls and boys, grades 10-12, with a few select ninth graders. Chorale Masters B performs a wide range of choral literature including, sacred, holiday, jazz, Broadway, classical, and spirituals. Choral Masters B performs at the Holiday and Spring Concerts, in addition to the Lake Erie League Festival and other community performances.. Attendance at all rehearsals and performance is mandatory.  
**Fee:** \$5.00 per year for robe cleaning

**Forte! (91512)****1.00 Credit****Grades 10-12**

**All Choirs are a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Forte! meets daily for one period daily. Forte! is a select vocal ensemble by director's permission. Only students who are advanced musically and have previous experience in the Euclid High School Vocal Program will be selected for this group. It is comprised of boys and girls, grades 10-12. Forte! is an advanced choir, which performs a wide range of capella choral literature (without piano) such as madrigals, jazz, Broadway, classical, pop, and spirituals. Students selected to be in Forte! will perform at many community events throughout the school year in addition to the Holiday and Spring Vocal Concerts. Attendance at all performances and rehearsals is mandatory.

**Fee:** Students are required to help cover the cost of costumes, music, and festivals

**Varsity Chorale (12512)****1.25 Credit****Grades 9-12**

**All Choirs are a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Varsity Chorale is a competition show choir and is by audition only. Varsity Chorale meets for one period daily. Varsity Choral is for the advanced dancer and vocalist. Varsity Chorale is comprised of select students who demonstrate exemplary vocal skills and advanced musicianship. Members must commit to a rigorous performance and competition schedule. Students must attend Monday evening rehearsals (6-9 PM) as well as all rehearsals and performances throughout the year. A mandatory choir camp is held for two weeks during August.

**Fee:** Students are responsible for the cost of costumes and all travel expenses for competitions

**Honors Varsity Chorale (12212)****1.25 Credit****Grades 9-12**

**All Choirs are a year long course and all members are required to participate both 1<sup>st</sup> & 2<sup>nd</sup> semesters.**

Honors Varsity Choral meets simultaneously with Varsity Chorale. Students enrolled in Honors level Varsity Chorale will complete additional requirements such as participating in OMEA Solo & Ensemble Contest, attending outside concerts, writing reports, and participating in service projects. Honors Varsity Chorale is a Competition Show Choir and is by audition only. Honors Varsity Choral is for the advanced dancer and vocalist. It is comprised of select students who demonstrate exemplary vocal and dance skills and advanced musicianship and who desire to commit to a rigorous performance and competition schedule. Students must attend Monday evening rehearsals (6-9 PM) as well as all rehearsals and performances throughout the year. A mandatory choir camp is held for two weeks during August.

**Fee:** Students are responsible for the cost of costumes and travel expenses for competitions

## **NON PERFORMING CLASSES**

### **Music Appreciation (14512)      0.50 Credits      Grades 9-12**

Music Appreciation meets one semester only for one period each day. This course is designed for any student who is interested in an overview of Music History. This course will offer exposure to all the major style periods of Music History (Medieval, Renaissance, Baroque, Classical, Romantic, and 20th Century) in addition to exploring jazz and popular music. The course will also highlight music of various world cultures such as African, Asian, and Hispanic. Students do not need to play an instrument or read music to take Music Appreciation. It is open to all students regardless of musical experience.

### **Music Theory (12412)      0.50 Credit      Grades 9-12**

Music Theory is a semester course that meets daily. Music Theory is designed for any student who wishes to gain basic music literacy skills. Knowing how to read music is **not** a prerequisite. Students will learn to read notes in treble & bass clef as well as major and minor key signatures, major and minor scale structures, rhythmic structure, and note values. This semester long course will also include ear training where students will identify intervals, scales, and rhythm patterns.

## NAVAL JUNIOR RESERVE OFFICER TRAINING CORPS (NJROTC)

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9-12	Naval Science 1A (81522A)	0.50	Interview with NSI 2.0 GPA minimum
9-12	Naval Science 1B (81522B)	0.50	Naval Science 1A 2.0 GPA minimum
10-12	Naval Science 2A (82522A)	0.50	Naval Science 1A & B 2.0 GPA minimum
10-12	Naval Science 2B (82522B)	0.50	Naval Science 2A 2.0 GPA minimum
11-12	Naval Science 3A (83522A)	0.50	Naval Science 2A & B 2.5 GPA minimum
11-12	Naval Science 3B (83522B)	0.50	Naval Science 3A 2.5 GPA minimum
12	Naval Science 4A (84522A)	0.50	Naval Science 3A & B 3.0 GPA minimum
12	Naval Science 4B (84522B)	0.50	Naval Science 4A 3.0 GPA minimum

### **Naval Science 1 (81522) A**

**0.50 Credit**

**Grades 9-12**

**Purpose:** To introduce students to the meaning of citizenship, the elements of leadership, and the value of planning to attain life goals. Develop in each cadet a growing sense of pride in his/her organization by Wearing and Caring for the NJROTC uniform. To introduce the students to the fundamentals of Marksmanship, to include Air-Rifle Safety. Instill discipline and teamwork by performing Military Drill. These elements are pursued at the fundamental level.

**Course Content:** Includes introduction to the NJROTC Program, Leadership, Career Planning, Air-Rifle Safety, Naval Ships, Mission, and Organization, The Nation, Navy and the People in American Democracy, Introduction to Navigation and Time, Basic Seamanship, Oceanography, Health Education, First Aid, and Drugs, Alcohol and Tobacco Abuse Prevention.

### **Naval Science 1 (81522) B**

**0.50 Credit**

**Grades 9-12**

**Purpose:** Build on general introduction provided in Naval Science 1A. To introduce students to the importance of Financial Planning, Wellness, Fitness, First Aid, and Drug and Alcohol Awareness. Instill discipline and teamwork by performing Military Drill. Engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future.

**Course Content:** Includes introduction to the High School Financial Planning Program, Health Education, First Aid, and Drugs, Alcohol and Tobacco Abuse Prevention. Introduction to the role of the U.S. Navy, Naval Ships, and Naval Aircraft, Geography, Maps, and Survival Skills.

### **Naval Science 2 (82522) A**

**0.50 Credit**

**Grades 10-12**

**Purpose:** Build on general introduction provided in Naval Science 1A & B; further develops the traits of citizenship and leadership in cadets: introduce cadets to Maritime History from 300 BC to present, leadership positions within NJROTC and provide opportunities for 2<sup>nd</sup> year cadets to lead younger cadets in Military Drill, Personnel inspection and Physical Training.

**Course Content:** Includes ongoing instruction in leadership theory, Sea Power and Early Western civilizations, American Revolution, Civil War, World War I & II, and the United States



the year. Classroom activities include seminars, reading assignments, classroom presentations and practical work with younger cadets.

**Course Content:** Cadets at this phase of training will conduct daily planning of all NJROTC unit events, field trips, plan awards ceremonies, annual inspection, and effectively run the NJROTC unit under the supervision of the Instructors.

## PHYSICAL EDUCATION DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9	Freshman PE (90508)	0.25	None
10	Sophomore PE (11508)	0.25	Freshman PE
10	Health (10508)	0.50	None
11-12 11-12	TAC PE (30508A) TAC PE (30508B)	0.50	See note in description

All students are required to complete 0.50 credits in Physical Education. Sophomores must successfully complete a semester course in Health and a semester course in Physical Education. A wide range of Physical Education units are offered. Unit offerings include:

Aerobics Conditioning	Golf	Track & Field
Badminton	Soccer	Volleyball
Basketball	Softball	Weight Training
Fitness	Speedball	
Flag Football	Team Handball	
Floor Hockey	Tennis	

### **Freshman Physical Education (90508)      0.25 Credit      Grade 9**

Students are required to pass one semester of Physical Education. Programs emphasize health and motor fitness, as well as the basic skills of eye-hand coordination, eye-foot coordination, teamwork, and sportsmanship. Lifetime individual activities along with team activities are offered. This class meets daily for one period for one semester.

**Course Level:** Physical Education classes are designed for all students.

### **Sophomore Physical Education (11508)      0.25 Credit      Grade 10**

Students are required to complete one semester of Physical Education. The class meets daily for one period for one semester. Lifetime individual activities and team activities are offered.

**Course Level:** Physical Education classes are designed for all students.

### **Sophomore Health Education (10508)      0.50 Credit      Grade 10**

Sophomore students are required to complete one semester of Health Education. This course will introduce and reinforce knowledge in a variety of health topics. Some of the topics include: Wellness, The Dimensions of Health, Nutrition, The Human Life Cycle, Diseases and Disorders, Basic First Aid, CPR and others. The students will identify the importance of health knowledge and in turn identify strategies to apply this knowledge in their daily lives. The students will utilize current information and technology. The class meets daily for one period.

**Course Level:** Health Education classes are designed for all students.

### **TAC Physical Education A (30508)      0.25 Credit      Grades 11-12**

In addition to regular Physical Education courses, junior and senior athletes may take a special year conditioning course—Tough Athletic Conditioning. This course stresses weight training and the development of the total athlete. This conditioning is ideal for the in-season and the out-of-season athlete. This class meets daily for one period.

**Course Level:** This course is designed for the junior or senior student athlete.

**Prerequisite:** All Students must have passed Freshman and Sophomore Physical Education

**TAC Physical Education B (30508) 0.25 Credit Grades 11-12**

TAC is a course that stresses weight training and developing the total athlete. 30508 B will continue the progression of total athletic development concentrating on reevaluation of each student and continuing to make progressive changes. We will also build on the principles designed in the TAC class.

**Course Level:** This course is designed for the junior or senior student athlete.

**Prerequisite:** All Students must have passed Freshman and Sophomore Physical Education

## SCIENCE DEPARTMENT

GR.	COURSE TITLE	CREDIT	PREREQUISITE
9	Honors Biology (90213) A and B	1.00	See description
9	Physical Science (90413) A and B	1.00	See description
10	Honors Chemistry (10213) A and B	1.00	See description
10	Biology (10413) A and B	1.00	See description
10	Integrated Science (10513)	1.00	See description
11	Honors Physics (11213) A and B	1.00	See description
11	Chemistry (11413) A and B	1.00	See description
12	AP Biology (13113)	1.00	See description
12	AP Chemistry (11113)	1.00	See description
12	AP Physics (12113)	1.00	See description
12	Physics (12413) A and B	1.00	See description
11-12	Astronomy (14413) A and B	1.00	See description
11-12	Environmental Science (15413) A and B	1.00	See description
12	OGT Science (13513)	.50	See description

### Recommended Sequences of Science Courses:

To assist students in making selections, the science department recommends the following course sequences based on abilities and interests.

#### A. For the student with average/above average science and mathematical skills; college prep

GRADE	COURSE
9	Physical Science*
10	Biology* / Integrated Science>>
11	Chemistry*/Astronomy**/Environmental***
12	Physics*/Astronomy**/Environmental***/OGT^, AP

\*Suggested for a student graduating from high school and planning on enrolling in a four-year college

\*\*Possible sequence for a student graduating from high school and planning on enrolling in a two-year or four-year college and having strong math skills

\*\*\*Possible sequence for a student graduating from high school and possibly enrolling in a two-year college; math skills not necessarily strong

^ For students who need to pass the OGT course

>>For 10<sup>th</sup> grade students who have not passed Physical Science.

#### B. For the student with high science and mathematical skills; college prep; possible science-related career

GRADE	COURSE
9	Honors Biology
10	Honors Chemistry
11	Honors Physics
12	AP Biology/AP Chemistry/AP Physics

**Honors Biology (90213) A and B****1.00 Credit****Grade 9**

This course is a study of all living organisms and the interactions they have with their environment. Students will be expected to collect and analyze data and draw conclusions in a scientific manner.

**Honors Biology A Topics:** Ecology, Biochemistry, Cell structure and function and Energy  
**Fee:** \$ 5.00 Lab Fee

**Honors Biology B Topics:** Cell reproduction, Genetics, Evolution, Classification

**Course Level:** This course is designed for students with high science and math skills.

**Prerequisite:** Honors 8<sup>th</sup> grade science class or recommendation of 8<sup>th</sup> grade teacher or counselor, Algebra I

**Physical Science (90413) A and B****1.00 Credit****Grade 9**

This course is designed to provide an integrated approach to the study of the fundamental principles of the physical sciences. Laboratory investigations will enable students to understand and apply the principles of physical science. It will provide a solid, comprehensive foundation for all higher-level science courses and prepare the students for the OGT (Ohio Graduation Test).

**Physical Science A Topics:** Physics (motion, forces, energy, gravity in our solar system)  
**Fee:** \$ 5.00 Lab Fee

**Physical Science B Topics:** Chemistry (matter, atoms and the Periodic table, chemical bonds and reactions, solutions, acids and bases, nuclear) and Earth Science (Earth processes, materials and climate)

**Course Level:** College preparatory.

**Prerequisite:** none; may help to be enrolled in Algebra I

**Honors Chemistry (10213) A and B****1.00 Credit****Grade 10**

This course is a study of matter, energy, equilibrium, and mass relationships that exist in nature. It is a quantitative, in-depth study of chemical reactions and how different forces interact with each other to produce chemical reactions.

**Honors Chemistry A Topics:** Scientific measurement, matter, structure of the atom, nuclear chemistry, Periodic Table and bonding

**Fee:** \$5.00 Lab Fee

**Honors Chemistry B Topics:** Equations and equilibrium, Stoichiometry, States of Matter, Solutions, Energy, Acids and Bases, Redox, Electrochemistry and Organic

**Course Level:** Honors Chemistry is designed for advanced college preparatory students.

**Prerequisite:** Biology; must pass Honors Chemistry A prior to B

**Biology (10413) A and B****1.00 Credit****Grade 10**

This course is a study of the similarities and differences of all living organisms with an emphasis upon the broad concepts applicable to all living systems. Laboratory-based experiences will be an integral part of this course and may include dissections of prepared organisms.

**Honors Biology A Topics:** Ecology, Biochemistry, Cell structure and function and Energy  
**Fee:** \$ 5.00 Lab Fee

**Honors Biology B Topics:** Cell reproduction, Genetics, Evolution, Classification

**Course Level:** This is designed for students with high science and math skills.

**Prerequisite:** Physical Science.

**Honors Physics (11213) A and B****1.00 Credit****Grade 11**

This course is designed with an emphasis on projects and experiments on such topics circuits, motion, Newton's Laws, gravity, energy, heat, sound, light, optics, and electricity and magnetism. Balance is given to understanding concepts and developing problem-solving skills. The math is algebra with basic trigonometric relationships.

**Physics A Topics:** Kinematics (motion, Newton's Laws of motion, work, energy, power, momentum, circular motion and rotation, gravitation)

**Fee:** \$5.00 Lab Fee

**Physics B Topics:** Heat and Thermodynamics, Waves and Optics, Electricity, Magnetism, Amusement Park Physics

**Course level:** this course is designed for students with high science and math skills

**Prerequisite:** Honors chemistry is advisable and/or recommendation by science teacher; must pass Honors Physics A before enrolling in Honors Physics B

**Chemistry (11413) A and B****1.00 Credit****Grade 11**

This course is the science concerned with the composition, structure, and properties of matter, as well as the changes it undergoes during chemical reactions. Chemistry is a physical science related to studies of various atoms, molecules, crystals, and other forms of matter. The topics in this course will be explored through lectures, demonstrations, laboratory experiments, and projects.

**Chemistry A Topics:** Scientific measurement, matter, structure of the atom, nuclear chemistry, Periodic Table and bonding

**Fee:** \$ 5.00 Lab Fee

**Chemistry B Topics:** Equations and equilibrium, Stoichiometry, States of Matter, Solutions, Energy, Acids and Bases, and Organic Chemistry

**Course Level:** College-preparatory.

**Prerequisite:** Biology; must pass Chemistry A prior to enrolling in Chemistry B

**Advanced Placement Chemistry (11113)****1.00 Credit****Grade 12**

This course is an in-depth study of the concepts of chemistry with considerable time spent in the laboratory observing and measuring the properties of matter quantitatively.

**Course Level:** Advanced Placement Chemistry is designed for students who plan to take the Advanced Placement examination.

**Prerequisite:** Chemistry and Physics.

**Fee:** \$5.00 Lab Fee

**Advanced Placement Physics (12113)****1.00 Credit****Grade 12**

This course is an in-depth study of the physical world with emphasis upon kinematics, dynamics, rotation, simple harmonic motion, electrical fields, and magnetic fields. Analytical problem solving is required.

**Course Level:** Advanced Placement Physics is designed to prepare students for the Advanced Placement examination. It is taught at the level of a college freshman physics class.

**Prerequisite:** AP Calculus concurrently or teacher permission.

**Fee:** \$5.00 Lab Fee

**Advanced Placement Biology (13413)****1.00 Credit****Grade 12**

This course provides a detailed presentation of content area and laboratory work in biochemistry, evolution, genetics, population genetics, molecular biology and physiology. Analysis of data and higher order thinking skills will be emphasized. The study of current literature and data analysis are emphasized.

**Course level:** Advanced placement biology is designed for students who expect to take the Advanced Placement examination.

**Prerequisite:** Chemistry, Biology

**Fee:** \$5.00

**Physics (12413) A and B****1.00 Credit****Grade 12**

This course is oriented toward understanding the concepts of Physics. Emphasis is upon hands-on activities and demonstrations. Some math will be used to illustrate concepts. Topics include motion, heat, sound, light, magnetism, and electricity and nuclear physics.

**Physics A Topics:** Kinematics (motion, Newton's Laws of motion, work, energy, power, momentum, circular motion and rotation, gravitation)

**Fee:** \$5.00 Lab Fee

**Physics B Topics:** Solids, Liquids, Gases, Heat, Waves, Electricity, Magnetism, Amusement Park Physics

**Course Level:** College-preparatory.

**Prerequisite:** Algebra I and II; must pass Physics A before enrolling in Physics B

**Astronomy (14413)****1.00 Credit****Grades 11-12**

This course is a study of the planets, stars, and galaxies. Topics to be examined include observing the night sky, the solar system, theories of stellar development, and cosmology.

**Astronomy A Topics:** Historical and modern views of universe, constellations and the night sky, planets and our solar system

**Fee:** None

**Astronomy B Topics:** Stellar development, galaxies and their evolution, the big bang, dark matter, dark energy and the fate of the universe

**Course Level:** Serves as a third year science credit

**Prerequisite:** Algebra I, Algebra II

**Environmental Science (15513) A and B****1.00 Credit****Grades 11-12**

This course connects earth, space, life and physical sciences into a coherent study of the environment. Emphasis is placed on the interactions between humans and earth, ecosystems, biological evolution, populations and diversity. Matter and energy relationships will be explored. This course meets the criteria for a third year science credit.

**Environmental A Topics:** Ecosystems, Biomes, Populations

**Fee:** \$5.00 Lab Fee

**Environmental B Topics:** Water, Air, Land, Minerals and Energy Resources

**Course Level:** College-preparatory

**Prerequisite:** Successful completion of physical and biological science and/or teacher recommendation.

**OGT Science (13513)****0.50 Credit****Grade 12**

This course is the study of science concepts which will aid students in passing the Ohio Graduation Test. Emphasis will be placed on successful test-taking strategies and practice.

**Prerequisite:** Seniors needing to pass the OGT.

**Fee:** \$10.00 workbook fee

**Integrated Science (10513)****1.00 Credit****Grade 10**

This course is an in-depth study of the academic content standards required by the State of Ohio. This course will include Life Science, Physical Science, Earth and Space Science, as well as Scientific Literacy. Emphasis will be placed on reading in science, writing in science, and standardized test practice.

**Course Level:** General Preparatory

**Prerequisite:** Recommendation by Physical Science teacher (based on class performance, mid-term and final exams). Must have attained 10<sup>th</sup> grade status and either failed 9<sup>th</sup> grade Physical Science or recommended by Physical Science teacher or both.

**Fee:** \$10.00 workbook fee

**SOCIAL STUDIES DEPARTMENT**

<b>GRADE</b>	<b>COURSE TITLE</b>	<b>CREDIT</b>	<b>PREREQUISITE</b>
9	Honors World Studies(90215) A & B	1.00	None
9	World Studies (90415) A & B	1.00	None
10	Honors US Studies (10215) A & B	1.00	World Studies
10	US Studies (10415) A & B	1.00	World Studies
11	AP Government and Politics (13115)	1.00	Honors American Studies
11	Honors Government (11215)	.50	U.S. Studies Passage of OGT
11	Honors Economics (11315)	.50	U.S. Studies Passage of OGT
11	Government (11415)	.50	U.S. Studies Passage of OGT
11	Economics (11515)	.50	U.S. Studies Passage of OGT
11	Integrated Government (11615)	.50	U.S. Studies Failure of OGT
11	Integrated Economics (11715)	.50	U.S. Studies Failure of OGT
11-12	AP European History (12115)	1.00	Passage of OGT Honors Gov't & Econ
11-12	African-American History (17515) A & B	1.00	Passage of OGT World & American Studies
12	Psychology (16415) A & B	1.00	Government & Economics Passage of OGT
12	OGT Social Studies (12515)	.50	Failure of the OGT Grade 12 only

**Honors World Studies (90215) A**

**.50 Credit**

**Grade 9**

This course is a chronological study of world history from 1750 to 1914. This study includes not only history, but integrates it with the other six content standards of The State of Ohio. Historical events are considered in their geographic setting, cultural perspectives, economic implications, and the role of governments. Topics include:

<ul style="list-style-type: none"> <li>• The Enlightenment and the American Revolution</li> <li>• French Revolutions and Napoleon</li> <li>• Industrial Revolution and Life in the Industrial Age</li> </ul>	<ul style="list-style-type: none"> <li>• Revolutions in Europe and Latin America</li> <li>• Nationalism</li> <li>• Imperialism</li> <li>• New Global Patterns</li> </ul>
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**Honors World Studies (90215) B****.50 Credit****Grade 9**

This course is a chronological study of world history from 1914 to the present. This study includes not only history, but integrates it with the other six content standards of The State of Ohio. Historical events are considered in their geographic setting, cultural perspectives, economic implications, and the role of governments. Topics include:

<ul style="list-style-type: none"> <li>• World War I and Its Aftermath</li> <li>• Russian Revolution</li> <li>• Nationalism and Revolution around the World</li> <li>• Crisis of Democracy in the West</li> </ul>	<ul style="list-style-type: none"> <li>• World War II and Its Aftermath</li> <li>• The World since 1945 – Europe, North America, East Asia, South Asia, Southeast Asia, Middle East, Africa and Latin America</li> </ul>
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**World Studies (90415) A****.50 Credit****Grade 9**

This course is a chronological study of world history from 1750 to 1914. This incorporates the seven content standards of the State of Ohio. The scope of the course includes the political, social, and economic developments of world history from the age of revolutions to the eve of World War I. Topics include:

<ul style="list-style-type: none"> <li>• The Enlightenment and the American Revolution</li> <li>• French Revolutions and Napoleon</li> <li>• Industrial Revolution and Life in the Industrial Age</li> </ul>	<ul style="list-style-type: none"> <li>• Revolutions in Europe and Latin America</li> <li>• Nationalism</li> <li>• Imperialism</li> <li>• New Global Patterns</li> </ul>
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**World Studies (90415) B****.50 Credit****Grade 9**

This course is a chronological study of world history from 1914 to the present. This incorporates the seven content standards of the State of Ohio. The scope of the course includes the political, social, and economic developments of world history from the eve of World War I to the present emphasizing a conceptual approach. Topics include:

<ul style="list-style-type: none"> <li>• World War I and Its Aftermath</li> <li>• Russian Revolution</li> <li>• Nationalism and Revolution around the World</li> <li>• Crisis of Democracy in the West</li> </ul>	<ul style="list-style-type: none"> <li>• World War II and Its Aftermath</li> <li>• The World since 1945 – Europe, North America, East Asia, South Asia, Southeast Asia, Middle East, Africa and Latin America</li> </ul>
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**Honors US Studies (10215) A****.50 Credit****Grade 10**

This course is an in-depth study of the history of the United States with an emphasis on domestic affairs from Reconstruction to the New Deal. This course incorporates all of the seven content area standards of the State of Ohio. Students will develop a deeper understanding of their role as a citizen and continue to expand their command of social studies skills and methods. They will accomplish this by studying the historic roots of the political system and how it has changed over time. Topics Include:

<ul style="list-style-type: none"> <li>• Industrialization</li> <li>• The Rise of Big Business</li> <li>• The Rise of Labor Unions</li> <li>• Urbanization and Immigration</li> <li>• The Gilded Age</li> <li>• The Progressive Movement</li> </ul>	<ul style="list-style-type: none"> <li>• American Imperialism</li> <li>• American Involvement in WWI</li> <li>• The Roaring Twenties</li> <li>• The Great Depression</li> <li>• The New Deal</li> </ul>
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**Prerequisite:** World Studies**Honors US Studies (10215) B****.50 Credit****Grade 10**

This course is an in-depth study of the history of the United States with an emphasis on domestic affairs from WWII to the present. This course incorporates all of the seven content area standards of the State of Ohio. Students will develop a deeper understanding of their role as a citizen and continue to expand their command of social studies skills and methods. They will accomplish this by studying the historic roots of the political system and how it has changed over time.

Topics Include:

<ul style="list-style-type: none"> <li>• American Involvement in WWII</li> <li>• The Cold War</li> <li>• U.S. Foreign policy after 1945</li> <li>• The Civil Rights Movement</li> </ul>	<ul style="list-style-type: none"> <li>• The Vietnam War</li> <li>• The Roots of 9/11</li> <li>• The War on Terror</li> </ul>
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**Prerequisite:** World Studies

**US Studies (10415) A**

**.50 Credit**

**Grade 10**

This course is a chronological study of the history of the United States with an emphasis on domestic affairs from 1865 to the New Deal. This course incorporates all of the seven content area standards of the State of Ohio. Studying the historic roots of the political system and how it has changed over time, students will develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods. Topics Include:

<ul style="list-style-type: none"> <li>• Industrialization</li> <li>• The Rise of Big Business</li> <li>• The Rise of Labor Unions</li> <li>• Urbanization and Immigration</li> </ul>	<ul style="list-style-type: none"> <li>• American Imperialism</li> <li>• American Involvement in WWI</li> <li>• The Roaring Twenties</li> <li>• The Great Depression</li> </ul>
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**Prerequisite:** World Studies

**US Studies (10415) B**

**.50 Credit**

**Grade 10**

This course is a chronological study of the history of the United States with an emphasis on domestic affairs from World War II to the present. This course incorporates all of the seven content area standards of the State of Ohio. Studying the historic roots of the political system and how it has changed over time, students will develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods. Topics Include:

<ul style="list-style-type: none"> <li>• American Involvement in WWII</li> <li>• The Cold War</li> <li>• U.S. Foreign policy after 1945</li> <li>• The Civil Rights Movement</li> </ul>	<ul style="list-style-type: none"> <li>• The Vietnam War</li> <li>• The Roots of 9/11</li> <li>• The War on Terror</li> </ul>
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**Prerequisite:** World Studies

**Advanced Placement Government and Politics (12115)**

**1.00 Credit**

**Grade 11**

This advanced placement course is designed to give students a critical perspective on politics and

government. Students who take this course will be involved in the study of institutions, groups, beliefs, and ideas that make up the American political reality and the general concepts used to interpret United States politics. Through the use of text and supplemental materials and activities, students will be encouraged to use and further develop their interpretive and analytical skills. Topics Include:

<ul style="list-style-type: none"> <li>• The Constitutional Foundations of the United States</li> <li>• Political Theory and Beliefs and Their Influence on Individuals</li> <li>• The Development and Philosophies of Political Parties, Interest Groups, and Mass Media</li> </ul>	<ul style="list-style-type: none"> <li>• The Branches of Government, the Bureaucracy, and the Development of Public Policy</li> <li>• Public Policy</li> <li>• Civil Liberties and Civil Rights</li> </ul>
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**Course Level:** This course is designed for students who elect to take the Advanced Placement Exam.

**Fee:** \$27.00 for a subscription to a current events publication

**Prerequisite:** Honors US Studies

**Honors Government (11215)**

**.50 Credit**

**Grade 11**

This course is an in-depth study of US government institutions and traditions. Students study the historic roots of the political system and how it has changed over time. They develop an understanding of the rights and responsibilities of citizenship and analyze the nature of political power in modern America. Topics included:

<ul style="list-style-type: none"> <li>• Foundations of American Government</li> <li>• Three Branches of American Government</li> </ul>	<ul style="list-style-type: none"> <li>• Constitutional Analysis</li> <li>• State and Local Government</li> <li>• Citizen Participation in Government</li> </ul>
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**Prerequisite:** US Studies, Passage of the OGT

**Honors Economics (11315)**

**.50 Credit**

**Grade 11**

This course is an in-depth study of economic theory and application. It focuses both on micro and macro economic concepts through a study of both individual and systemic economic forces. Students develop a sense of personal financial responsibility and learn their role in the broader American and world economy as consumers with an emphasis placed on socially responsible consumption. Topics include:

- Basic Economic Laws and Concepts
- Fiscal and Monetary Policy
- Socially Responsible Consumption

**Prerequisite:** US Studies, Passage of the OGT

**Government (11415)**

**.50 Credit**

**Grade 11**

This course is an overview of US government institutions and traditions. Students study the

historic roots of the political system and how it has changed over time. They develop an understanding of the rights and responsibilities of citizenship and analyze the nature of political power in modern America. Topics included:

<ul style="list-style-type: none"> <li>• Foundations of American Government</li> <li>• Three Branches of American Government</li> </ul>	<ul style="list-style-type: none"> <li>• Constitutional Analysis</li> <li>• State and Local Government</li> <li>• Citizen Participation in Government</li> </ul>
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**Prerequisite:** US Studies, Passage of the OGT

**Economics (11515)**

**.05 Credit**

**Grade 11**

This course is an overview of economic theory and application. It focuses both on micro and macro economic concepts through a study of both individual and systemic economic forces. Students develop a sense of personal financial responsibility and learn their role in the broader American and world economy as consumers with an emphasis placed on socially responsible consumption. Topics include:

- Basic Economic Laws and Concepts
- Fiscal and Monetary Policy
- Socially Responsible Consumption

**Prerequisite:** US Studies, Passage of the OGT

**Integrated Government (11615)**

**.50 Credit**

**Grade 11**

This course is a study of US government institutions and traditions for students who have struggled with Social Studies heretofore. Students study the historic roots of the political system and how it has changed over time as well as their constitutionally guaranteed rights and responsibilities. A significant portion of this course will involve OGT Social Studies review. Topics include:

<ul style="list-style-type: none"> <li>• OGT Review</li> <li>• Foundations of American Government</li> </ul>	<ul style="list-style-type: none"> <li>• Constitutional Analysis</li> <li>• State and Local Government</li> <li>• Citizen Participation in Government</li> </ul>
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**Prerequisite:** US Studies, Failure of the OGT

**Integrated Economics (11715)**

**.50 Credit**

**Grade 11**

This course is a study of economic theory and application for students who have struggled with Social Studies heretofore. It focuses both on micro and macro economic concepts through a study of both individual and systemic economic forces. Students develop a sense of personal financial responsibility and learn their role in the broader American and world economy as consumers with an emphasis placed on socially responsible consumption. Topics include:

- Basic Economic Laws and Concepts
- Fiscal and Monetary Policy
- Socially Responsible Consumption

**Prerequisite:** US Studies, Failure of the OGT

**A.P. European History (12115)**

**1.00 Credit**

**Grade 12**

This advanced placement course is a study of the political, social, cultural, and economic achievements of Europe since the Renaissance. Students will be encouraged to use and further

develop their interpretive and analytical skills. Topics include:

<ul style="list-style-type: none"> <li>• The Renaissance</li> <li>• The Reformation</li> <li>• Economic Change</li> <li>• Religious Warfare</li> <li>• The Age of Louis XIV</li> <li>• The Scientific Revolution</li> <li>• The French Revolution</li> <li>• The Napoleonic Era</li> </ul>	<ul style="list-style-type: none"> <li>• The Industrial Revolution</li> <li>• Revolutions of the mid 19<sup>th</sup> century</li> <li>• The birth of nationalism</li> <li>• Imperialism</li> <li>• World War I</li> <li>• The Emergence of the Soviet Union</li> <li>• World War II</li> <li>• Modern Europe</li> </ul>
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**Course Level:** This course is designed for students who elect to take the Advanced Placement Exam.

**Prerequisite:** Honors Government and Honors Economics

**African – American History (17515) A**

**.50 Credit**

**Grade 12**

This course is a chronological study of African-American history, stretching from Africa to issues and events of modern America. State Social Studies content standards that apply to the African-American experience will be covered and reinforced. The course will enrich student understanding and perspective of what it means to be an African-American, past and present.

Topics include:

<ul style="list-style-type: none"> <li>• Ancient Africa</li> <li>• Colonial Africa</li> <li>• 20th Century Africa</li> <li>• Modern Africa</li> <li>• US Slavery</li> </ul>	<ul style="list-style-type: none"> <li>• Colonial America/Wars with England</li> <li>• Road to Freedom,</li> <li>• The Civil War</li> </ul>
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**Prerequisite:** World and US Studies, Passage of the OGT

**African – American History (17575) B**

**.50 Credit**

**Grade 12**

This course is a chronological study of African-American history, stretching from Africa to issues and events of modern America. State Social Studies content standards that apply to the African-American experience will be covered and reinforced. The course will enrich student understanding and perspective of what it means to be an African-American, past and present.

Topics include:

<ul style="list-style-type: none"> <li>• Reconstruction</li> <li>• Early 20th Century Urban America</li> <li>• The World Wars</li> </ul>	<ul style="list-style-type: none"> <li>• The Civil Rights Movement</li> <li>• Modern Issues facing the African-American community</li> </ul>
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**Prerequisite:** World and US Studies, Passage of the OGT

**Psychology (16415) A**

**.50 Credit**

**Grade 12**

This course studies human behavior. Topics include:

<ul style="list-style-type: none"> <li>• The Field of Psychology</li> <li>• Memory Information</li> <li>• Brain, Body and Awareness</li> <li>• Sensation and Perception</li> </ul>	<ul style="list-style-type: none"> <li>• Consciousness</li> <li>• Mental Disorders</li> <li>• Treatment and Therapy</li> </ul>
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**Prerequisite:** Government and Economics, Passage of the OGT

**Psychology (16415) B**

**.50 Credit**

**Grade 12**

This course studies human behavior. Topics include:

<ul style="list-style-type: none"> <li>• Infancy and Childhood</li> <li>• Adolescence</li> <li>• Adulthood</li> <li>• Gender Differences</li> </ul>	<ul style="list-style-type: none"> <li>• Conflict, Stress and Coping</li> <li>• Socio-cultural Influences and Self</li> <li>• Socio-cultural Influences: Attitudes and Beliefs</li> </ul>
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**Prerequisite:** Government and Economics, Passage of the OGT, Psychology A

**OGT Social Studies (12515)**

**.50 Credit**

**Grade 12**

This course is intended for 12<sup>th</sup> grade students who wish to work on improving essentials skills in Social Studies. This course will review, but will not be limited to, the grade Level Content Standards for Grades 9 and 10-with lessons that focus on the Social Studies Content Standard Benchmarks. Current events will also be used to augment understanding of the rights and responsibilities of citizenship, as well as examining the forces at play in a global economy. This course will also serve as a Social Studies Intervention course for those 12<sup>th</sup> Grade students who have not passed the Ohio Graduation Test in the Social Studies. The course begins with a diagnostic test, followed by study skills for the OGT. The units and tests follow the style and format of the OGT sample test items and OGT Practice Test in social studies. Topics include:

<ul style="list-style-type: none"> <li>• The Enlightenment</li> <li>• Modern Political Systems</li> <li>• The Age of Revolutions</li> <li>• Imperialism</li> <li>• Nationalism</li> <li>• Industrialism</li> <li>• Urbanization</li> <li>• WWI</li> <li>• The Great Depression</li> </ul>	<ul style="list-style-type: none"> <li>• WWII</li> <li>• The American Civil Rights Movement</li> <li>• The Cold War</li> <li>• Geography</li> <li>• Economics</li> <li>• Citizen Rights and Responsibilities</li> <li>• Social Studies Research Method</li> </ul>
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**Prerequisite:** Failure of the OGT, Grade 12

**CAREER TECH**  
**PROGRAMS AT EUCLID HIGH SCHOOLS**

<b>GR.</b>	<b>COURSE TITLE</b>	<b>CR.</b>	<b>PREREQUISITE</b>
11	Automotives I (21617)	3.00	See description
11	College Tech Prep Automotives I (21417)	3.00	See description
11	College Tech Prep CIS 1 (Computer Information System) (90414)	3.00	See description
11	College Tech Prep Networking Tech 1 (11214)	3.00	See description
11	Commercial Art 1 (20517)	3.00	See description
11	Criminal Justice 1 (72617)	3.00	Interview with 3 References
11	Crime Scene Technology I (71414)	3.00	See description
11	Culinary Arts 1	3.00	See description
12	Automotives II	3.00	See description
12	College Tech Prep Automotives II (22417)	3.00	See description
12	College Tech Prep Advanced Networking Tech 2 (12214)	3.00	See description.
12	College Tech Prep CIS 2 (Computer Information System) (91414)	3.00	See description
12	Commercial Art 2 (21517)	3.00	See description
12	Criminal Justice 2 (73617)	3.00	See description
12	Crime Scene Technology II (72414)	3.00	See description
12	Culinary Arts 2	3.00	See description

**GENERAL DESCRIPTION**

Many students can benefit from specific training in high school that will enable them to find meaningful full or part-time jobs immediately after high school. Career-technical education programs are available to all students who wish to acquire specific skills. The program coordinator will interview all students who apply for these programs.

**COLLEGE TECH PREP**

College Tech Prep programs combine advanced college prep academics along with specialized technical training. Students are prepared to continue their education at the college level in either a two-year or four-year degree program.

**AUTOMOTIVES 1 (21617)****3.00 Credits****Grade 11**

This two-year program is intended for students who wish to pursue automotive related careers. During the junior year, students will study the proper care and maintenance of the whole automobile. Course work progresses from theory to hands-on experience. Students are not required to buy their own tool sets, but must supply proper work clothes and personal classroom supplies. Course meets daily for three periods.

**Career Possibilities:** Automobile technicians work for automobile dealers, independent repair shops, mass merchandisers, and service stations. Technicians are also employed by federal, state, and local governments, engineering and manufacturing firms, taxicab and leasing companies, and other companies that maintain and repair their own automobiles.

**Prerequisite:** Students accepted into this program must have good academic and attendance records. It is recommended that students complete other Industrial Technologies electives in the tenth grade.

**Note:** Automotives 1 is taught in the Professional Path School.

**Fee:** \$60.00

**AUTOMOTIVES 2 (22617)****3.00 Credits****Grade 12**

This course is a continuation of Automotives 1. In this course students begin to concentrate on more in-depth theory and specialized areas of automotives. Students are not required to buy their own tool sets, but must supply proper work clothes and personal classroom supplies. Course meets daily for three periods.

**Prerequisite:** Students should have successfully completed Automotives 1 and have permission of the instructor.

**Note:** Automotives 2 is taught in the Professional Path School.

**Fee:** \$60.00

**COMMERCIAL ART 1 (20517)****3.00 Credits****Grade 11**

This two-year program is intended for students who wish to explore the possibility of a career in commercial art. During the junior year, emphasis will be given to developing proficiency in basic art skills such as drawing, calligraphy, layout, and illustration with various techniques (ink, paint, pastels, pencils, airbrush and computer). The course meets daily for three periods.

**Career Possibilities:** Students who complete this program either go on to an art college or work in such areas as advertising, illustration, book or album cover design, computer graphics, greeting card design, and sign painting.

**Prerequisite:** Design and interview with instructor or at the discretion of the instructor.

**Note:** Commercial Art 1 is taught in the Academy of the Arts.

**Fee:** \$30 to cover cost of basic materials; students will also be expected to purchase some personal supplies.

**COMMERCIAL ART 2 (21517)****3.00 Credits****Grade 12**

This course is a continuation of Commercial Art 1. In this course, students will work on various design projects as well as preparing a professional portfolio, business card, and resume. The course meets daily for three periods.

**Prerequisite:** Students should have successfully completed Commercial Art 1 and have permission of the instructor.

**Note:** Commercial Art 2 is taught in the Academy of the Arts.

**Fee:** \$30 to cover cost of basic materials; students will also be expected to purchase some personal supplies.

**CRIMINAL JUSTICE 1 (72617)      3.00 Credits      Grade 11**

This two-year course is designed to prepare students for jobs in the area of Private Security and Public Law Enforcement. Topics include criminal law, report writing, first aid, patrol procedure, etc. Students are required to participate in supervised patrol exercises during school hours and at events outside of school hours. The course meets daily for three periods.

**Prerequisite:** Students must be interviewed by the instructor, have a 2.0 or above GPA (if student is achieving below a 2.0, they may be taken on a provisional contract), and have three favorable teacher references

**Note:** Criminal Justice 1 is taught in the Professional Path School.

**Fee:** \$20

**Fee:** \$70 uniform fee which the student pays directly to the uniform company upon order.

**CRIMINAL JUSTICE 2 (73617)      3.00 Credits      Grade 12**

This course is a continuation of Criminal Science Technology I. Topics include forensic science, auto theft, search and seizure, arson, etc. Students are expected to purchase uniforms. Students will also be required to participate in supervised patrol exercises during school hours and at events outside of school hours. The course meets daily for three periods. Students who successfully complete the program shall receive a certificate from the State Board of Education in the field of Criminal Justice. The student completer also leaves the program with a Vocational Career Passport.

**Continuing Education:** Students who successfully complete Law Enforcement 1 and 2 with a 3.0 GPA or higher shall receive college credit hours from Lakeland Community College

**Prerequisite:** Students must successfully complete Law Enforcement 1 and have approval of the instructor.

**Career Possibilities:** Students who complete this program can go on to a college or university to further their education in Law Enforcement or gain employment with local security agencies in the field of loss prevention or uniformed patrol

**Note:** Criminal Justice is taught in the Professional Path School

**CULINARY ARTS 1 (67517)      3.00 Credits      Grade 11**

Culinary Arts is a two year Career Tech Program for grades 11 & 12. This course meets daily for 3 periods at the Shore Cultural Center at the corner of East 222<sup>nd</sup> Street and Lake Shore Boulevard. Busing will be available to the site.

**Junior Culinary**

The junior curriculum includes instruction in the following area: introduction to the food service industry, sanitation, safety, tools and equipment, basic cooking principles, measurements, recipe calculations, culinary terms, knife skills, pastas, breads, food presentation, restaurant preparation and operation, team work, and more.

**Junior Fees:** \$175-\$200

**Note:** Culinary Arts is taught in the International Academy.

**CULINARY ARTS 2 (68517)****3.00 Credits****Grade 12**

This course is the second year of the program. The course meets daily for 3 periods at the Shore Cultural Center at the corner of East 222<sup>nd</sup> Street and Lake Shore Boulevard. Busing will be available to the site.

**Senior Culinary**

The senior curriculum includes instruction in the following areas: review of junior year curriculum, stocks, sauces, soups, meats, poultry, fish, seafood, salads, dressings, restaurant operation, serving, cashier training, customer relations, station operation, food prep, expediting, manager skills, menu planning, and more.

**Senior Fees:** \$75-\$100

**Career Pathways:** chef, assistant chef, food supervisor, maitre d', cook, banquet chef, front desk clerk, waitress/waiter, line cook, dietary aide, caterer, baker, baker's assistant, cashier, reservationist, guest relations, food appliance demonstrator, hostess/host, pastry chef, soup chef, food critic, food stylist.

Successful completion of the program provides the student with National Sanitation and ServSafe Certification Exam, Pro Start Year 1 Certification exam, Pro Start Year 2 Certification Exam, opportunity to enter the Northeast Ohio Culinary Institute and earn credit hours toward a Lakeland Community College and CCC Metro Degree.

**Note:** Culinary Arts is taught in the International Academy.

## **COLLEGE TECH PREP PROGRAMS**

**COLLEGE TECH PREP NETWORKING TECHNOLOGY 1 (11214)****3.00 Credits****Grade 11**

This course prepares students for careers in network systems analysis, planning, and administration. Units of study include information support and services, network systems, programming, software development, and interactive media, which follow the CISCO and State of Ohio Information

Technology Models. Students will gain the necessary skills to analyze network systems needs for design, installation, maintenance, and management of network systems.

**Prerequisite:** Students should follow a college preparatory curriculum, which includes at least Algebra 2 and Chemistry or Physics in Grade 11 and should have successfully completed Algebra, Geometry, and Biology prior to enrollment in year one of this program; prior passage of all proficiency tests is required.

**Note:** This course is taught in the Science, Technology, Engineering and Math School.

**ADVANCED NETWORKING TECHNOLOGY 2 (12214)****3.00 Credits****Grade 12**

This course is a continuation of Networking Technology 1. Units of study include support and services, network systems, programming, software development, and interactive media which follow the CISCO and State of Ohio Information Technology Models. Students will gain necessary skills to implement computer systems and software, provide technical assistance, and manage information systems.

**Continuing Education:** Students who successfully complete this two-year college program can go to Lakeland Community College for further education and advanced certification in computer networking.

**Prerequisite:** Students must have successfully completed Tech Prep Advanced Networking

Technology 1, Chemistry or Physics, and Algebra 2; in year two, students should also schedule at least pre-calculus and a laboratory science not already taken; prior passage of all proficiency tests is required.

**Career Possibilities:** Students who complete this program are prepared for careers dealing with information deployment.

**Note:** This course is taught in the Science, Technology, Engineering and Math School.

### **COLLEGE TECH PREP AUTOMOTIVES 1 (21417)**

**3.00 Credits**

**Grade 11**

This course prepares students to work on automobiles in the 21st century. Today's automobile is a technological marvel of electrical and mechanical design. Automotive Service Technology students gain skills to maintain all safety, emissions, and performance systems. Training can lead to Automotive Service Excellence. Certification along with unlimited earning potential. The demand for highly skilled technicians has never been greater.

**Prerequisite:** Minimum of "C" average in Algebra and/or Geometry, a 2.00 G.P.A., passes all parts of the Ninth Grade Proficiency Test.

**Recommended Electives:** Small Engine Repair, Welding

**Note:** This course is taught in the Professional Path School.

### **COLLEGE TECH PREP AUTOMOTIVES 2 (22417)**

**3.00 Credits**

**Grade 12**

This course is a continuation of Tech Prep Automotives I. Units of study include engine repair, automotive transmissions and transaxles, drive trains, axles and manual transmission, braking systems, electrical systems and electronics, heating and air conditioning, engine performance, steering and suspension.

**Continuing Education:** Students who successfully completed this two-year program can go to Cuyahoga Community College for further education and advanced certification in Automotives.

**Prerequisite:** Students must have successfully completed Tech Prep Automotive I; should have completed Algebra I and taking Algebra II.

**Career Possibilities:** Seek high paying career using the advanced skills learned in Tech Prep

**Note:** This course is taught in the Professional Path School.

### **COMPUTER INFORMATION SYSTEMS (CIS) 1 and 2 (90414) (91414)**

**3.00 Credits Each Year**

**Grades 11-12**

This two-year course is for students who want to learn computer programming, computer hardware, and networking. Students learn Qbasic, Visual Basic, Microsoft Office 2000, COBOL, Accounting, Computer Information and Processing, and Career Skills (resumes, cover letters, applications, interviewing skills, etc.). Students are eligible for a paid summer internship after completion of the senior year program. This is primarily a hands-on learning style: technical concepts and theories learned best in interdisciplinary, applied, and lab-based setting.

**Recommendations:** GPA of a least 2.0-9th and 10th grade, B/C average in Algebra I and /or Geometry and English; should have passed proficiency tests, excellent attendance, and willingness to learn/work in teams or groups and the proper credits in line to graduate

**Note:** Computer Information Systems 1 and 2 are taught in the Professional Path.

**CRIME SCENE TECHNOLOGY 1 (71414)    3.00 Credits                      Grade 11**

Criminal Science Technology is a two year program in the 11<sup>th</sup> and 12<sup>th</sup> grades. It is a strand from the Ohio Public Safety Delivery Model. As such a strand, Criminal Science Technology includes competencies grounded in academic subject areas and built in concert with the Public Safety Core. The Criminal Science Technology Technical Competency Profile includes essential competencies for programs from secondary through post-secondary associate degree programs. Each area contains competencies common to a variety of criminal science technology careers. Consequently, this profile design reflects programming flexibility that supports many options for broad-based educational studies and career planning. This course meets daily for 3 periods.

**Prerequisite:** Students must be interviewed by the instructor, must follow a college-prep program of study, and have 3 favorable teacher references.

**Note:** Crime Scene Technology 1 is offered in the Professional Path School.

**Fee:** \$35

**CRIME SCENE TECHNOLOGY 2 (72414)    3.00 Credits                      Grade 12**

This course is a continuation of Crime Scene Technology 1. Topics include: Professional Development, Communications, Ethnics, Enforcement Techniques, Criminal Justice System, Juvenile Justice, Terrorism, Cultural Diversity, Computer Crime, Risk Assessment/Critical Incident, Behavioral Science, Forensic Science and Technology Applications to Crime, Stress/Physical Fitness/Nutrition, Academic Connection Breakdown. The course meets daily for 3 periods. The students who successfully complete the program shall receive a certificate and articulated college credit from Lakeland Community College. A partial list of career possibilities: Retail Security, County Deputy Sheriff, Bureau of Criminal Investigation, Transportation Security Administration, Local and City Police Department, Secret Service, Private Law Enforcement, Social Work, Forensic Science, Correction Officer, FBI, Drug Enforcement Agency, US Marshals Service, Homeland Security, Ohio Highway Patrol, US Military, Probation Officer, Paralegal, Substance Abuse Counselor, and Corporate Security.

**Prerequisites:** Successful completion of Criminal Science I and Instructor approval.

**Note:** Crime Scene Technology 2 is offered in The Professional Path School.

**Fee:** \$35.00

**CAREER-TECHNICAL PROGRAMS AT BRUSH, LAKELAND COMMUNITY COLLEGE, MENTOR, and WILLOUGHBY-EASTLAKE**

The Lake Shore Compact, a consortium made up of the Euclid City Schools, the Mentor Exempted Village Schools, the Willoughby-Eastlake City Schools, and the Wickliffe City Schools, and , separately for Cosmetology the South Euclid-Lyndhurst City Schools, have agreed to open career-technical programs in each district to students from the other districts. Euclid students will, therefore, be eligible to enroll in these programs that are taught at Mentor High School, at Lakeland Community College, and at the Willoughby-Eastlake Technical Center.

The Mentor Program also includes the Tech Prep Program at Lakeland Community College, a challenging advanced program which includes summer cooperative training jobs for exceptional students and an articulation agreement with Lakeland for application of credit earned in the high school phase (achieved by either high grades or by a qualifying test) which would then apply at Lakeland for advanced credit if the student attends Lakeland for at least one term (quarter or semester). This program is also coded as a college-preparatory program. Additionally, students interested in Cosmetology can enroll in a special program which is available through Brush High School. A limited number of Euclid students will be accepted based on a student’s high school record and on the basis of an individual interview with the Cosmetology teachers.

In all cases, students spend part of the day at Euclid High School and part of the day at the participating training school in another school district. Except as noted, transportation will be provided.

**Willoughby Technical Center Program**

Auto Body Technology (2 yrs)  
College Tech Prep Practical Nursing  
(Seniors only) (1 yr)  
Welding Technology (2 yrs)

**Brush High School Program**

Cosmetology (2 yrs.)

**Mentor High School Program**

Early Childhood Education (2 yrs)  
College Tech Prep Interactive Media  
(T.V. Production) (2 yrs)  
Cooperative Business Education (1 yr)  
Diversified Cooperative Training (1 yr)  
Marketing Education (1 yr)

**Lakeland Community College Program**

College Tech Prep CAD/Engineering  
Technology (2 yrs.)  
College Tech Prep Computer Networking  
& Electronic Technology (CNET) (2 yrs.)  
College Tech Prep Construction  
Management (2yrs)

# **AUTOMOTIVE BODY TECHNOLOGY**

2-year program

Schools Available: Willoughby Tech

## **DESCRIPTION**

In the Auto Body Technology program, students learn how to repair, refinish, and restore the bodies of automobiles or other vehicles that have been damaged from normal “wear and tear” or from accidents and collisions.

## **COURSE CONTENT**

The student will learn:

- The repairing of all types of automobile damage, such as collision damage or rusting sections of body panels, removal of dents, and glass replacement
- Preparation of metal for painting and refinishing
- Frame and body alignment
- Suspension alignments
- Air conditioning and cooling repair
- Electrical repair
- Collision and job estimating
- Welding, gas, and arc

## **EQUIPMENT USED**

Pneumatic Metal Cutting Gun  
Acetylene Torch  
Hydraulic Jack  
Body Hammers  
Paint Sprayer Guns  
Auto Body Power Tools  
Panel Spotter  
Frame Straightener

## **CAREER OPPORTUNITIES**

Body Repair  
Frame Shops  
Paint Sales  
Front End Shops  
Custom Shops  
Auto Dealerships  
Wholesale or Retail Parts

# **AUTOMOTIVE SERVICE TECHNOLOGY**

2-year program

Schools Available: Euclid, Eastlake, Mentor, Wickliffe, Willoughby

### **DESCRIPTION**

This program is designed to offer students the specialized experiences needed in the diagnosis and service of an automobile.

Qualified students will learn engine repair and performance, transaxle transmission, brake systems, electrical systems, suspension and steering, emission systems, heating and air conditioning.

### **COURSE CONTENT**

The student will learn:

- Diagnosis of Engines
- Transmission/Transaxle & Repair
- Computer Diagnosis
- Engine Repair
- Brake Systems
- Emission Control Systems
- Electrical Systems
- Steering and Suspension
- Heating and Air Conditioning

### **EQUIPMENT USED**

Computerized Testing Machines  
Lifts, Jacks, & Stands  
Hand Tools  
Balancing and Alignment Equipment  
Tire Changer  
Rotor and Drum Lathe  
Power Tools

### **CAREER OPPORTUNITIES**

Independent Service Garages  
Auto Dealership Service  
Specialty Shops  
Department Store Auto Service  
Auto Parts Stores  
Tire Center Fleet Service Garages  
Mass Merchandiser  
Aviation, Marine, & Power Sport  
Technician

## **COOPERATIVE BUSINESS EDUCATION**

## **1-year program for juniors or seniors**

**School Available: Mentor**

### **DESCRIPTION**

Cooperative Business Education (CBE) is a work-study program for students whose career objective is to pursue a business occupation.

This program is open to students who have basic typing skills and/or a combination of other business courses.

### **PROGRAM ADVANTAGES**

You will have the opportunity to co-op by combining morning classes with actual on-the-job work experiences during the afternoon.

You will see first hand what the business world is about. This will enhance your knowledge of business and help you to possibly pursue a college education in the field of Business Administration.

All co-op jobs are paid positions. The salary is negotiable.

As a co-op employee, you are given an opportunity to develop a working relationship with employers. This could lead to full-time employment upon graduation.

### **CAREER OPPORTUNITIES**

Accounting Support  
Administrative Assistant  
Customer Service  
Financial Analyst  
Insurance  
Medical/Legal Transcription  
Records Management  
Word Processing

## **COSMETOLOGY**

## **2-year program**

**Schools Available: Brush**

### **DESCRIPTION**

This two-year program involves classroom and practical experiences that are concerned with a variety of beauty treatments, including the care and beautification of the hair, complexion and skin.

Students who successfully complete the program can qualify to take the State Board Exam. You may then become a licensed Cosmetologist.

### **COURSE CONTENT**

#### **The Student Will Learn:**

- \* Shampoos, rinses, scalp treatments
- \* Hair styling, setting, cutting, dyeing, tinting and bleaching
- \* Permanent Waving
- \* Facials
- \* Manicuring
- \* Hand and Arm Massaging
- \* Personality Development
- \* Ohio State Law
- \* Bacteriology, Anatomy, Hygiene and Sanitation
- \* Salon Management
- \* Salesmanship

#### **EQUIPMENT USED**

Modern, Individual Work Stations  
Equipment and Tools Related to  
A Professional Beauty Salon  
Hair Dryers, Blow Dryers  
Student Kits and Mannequins  
Curling Irons  
Manicure Equipment and Tools

#### **CAREER OPPORTUNITIES**

Beautician  
Hairstylist  
Color Technician  
Cosmetic Sales  
Manicurist  
Shop Owner or Manager  
Manufacturer's Representative

## **DIVERSIFIED COOPERATIVE TRAINING**

## **1-Year Program for seniors**

**School Available: Mentor**

### **Description**

Students enrolled in the Diversified Cooperative Training (DCT) program determine the makeup and scope of the course. They actually choose the trade or occupational area they wish to pursue.

While obtaining the necessary training, students go to school one half day and work the other half in their chosen field with an employer in the community.

### **Course Content**

This program provides the opportunity for training in technical and trade areas that are not available in the home school.

### **Program Benefits**

Students will graduate from high school with enough fundamental training to make you employable. If you are not happy with the ordinary academic or general curriculum, you have the opportunity to remain in school and earn a high school diploma. Occupational skill training is done under actual working conditions.

### **Career Opportunities**

Baking	Dental Assistant	Masonry	Plumbing
Bricklaying	Electronics	Meat Cutting	Radio Repair
Carpentry	Laboratory Technician	Metal Working	Sheet Metal
Construction	Machine Shop	Nurse Aide	Welding

## **EARLY CHILDHOOD EDUCATION**

## **2-year program**

**Schools Available: Mentor**

### **DESCRIPTION**

If you have always enjoyed young children and thought about developing a career working with them, you might consider this program.

Your two years in this course will provide opportunities to learn how children develop physically, socially, emotionally, and intellectually.

### **COURSE CONTENT**

Year One: Students will participate in a supervised in-school laboratory located on the school premise. You will observe the development of children and apply this learning while assisting in the preschool classroom.

Year Two: Students may be able to co-op. Half of the day is spent in classes, and the remainders of the day working at child care facilities for typical and special needs children.

### **EQUIPMENT USED**

Developmentally appropriate  
equipment to enhance  
children's growth  
Completely Equipped Kitchen  
Toys and Games  
Outside Play Area

### **CAREER OPPORTUNITIES**

Day Care Center  
Preschool  
Elementary Schools  
Head Start  
Teacher's Aide  
Programs for Children with Special Needs

## **MARKETING EDUCATION**

## **1-year program for juniors or seniors**

**School Available: Mentor**

### **DESCRIPTION**

This program is for students interested in careers in business, management, marketing, distribution and sales. You will have the opportunity to explore topics such as advertising and promotion, retail display, managerial skills, personal selling, consumer behavior, human relations and marketing concepts and strategies.

As a one-year program, you will attend courses in the morning and spend the afternoon beginning practical, supervised, paid part-time work experience.

### **COURSE CONTENT**

The Student Will Learn:

- \* Advertising
- \* Marketing
- \* Retailing
- \* Wholesaling
- \* Finance
- \* Product Buying
- \* Management
- \* Computer Application
- \* Customer Services
- \* Basic Salesmanship
- \* Accounting and Finance
- \* Display and Promotions
- \* Communication in Marketing
- \* Psychology and Human Relations
- \* Buying and Pricing

### **CAREER OPPORTUNITIES**

Advertising	Fashion Merchandising
Retailing	International Business
Banking	Display Specialist
Insurance	Food Services
Sales	Wholesaling
Travel	Fashion
Finance	Floristry Management

## **WELDING TECHNOLOGY**

## **2-year program**

**School Available: Willoughby-Tech**

### **DESCRIPTION**

If you have good math and industrial skills, and you enjoy working with your hands, consider this career opportunity. This welding program trains students in basic and advanced skills and experiences that are concerned with all types of metal and plastic welding, brazing and flame cutting.

### **COURSE CONTENT**

The Student Will Learn:

- \* Stick Electors
- \* Oxy Fuel Welding
- \* Oxy Fuel Cutting
- \* Tig Welding
- \* Mig Welding
- \* Flux Core Welding
- \* Brazing
- \* Ultrasound Inspection
- \* Blueprint Reading
- \* Production Welding
- \* Maintenance Welding
- \* Maintenance of Welding Equipment

### **EQUIPMENT USED**

Hydraulic Machinery  
Bending Machines  
Drill Press  
Gas Welding Machines  
Acetylene Torches  
AC-DC Arc Welding Machines  
Heli-Arc Welding Machines

### **CAREER OPPORTUNITIES**

Millwright Welder  
Production Welder  
Tack Welder  
Welding Equipment Tender  
Factory Welder  
Fabrication Welder  
Welding Inspector

## **1-year program**

**Schools Available: Willoughby-Tech**

### **DESCRIPTION**

If you enjoy helping people, taking responsibility, have a sense of humor, have good organizational skills, and communicate well with others, you may enjoy the challenge of Nursing. Successful completion of this two-year course will provide the opportunity to take the State Board examination and become licensed.

### **COURSE CONTENT**

- \* Nursing Fundamentals
- \* Nursing Laboratory Skills
- \* Nursing Science
- \* Nutrition
- \* Growth and Development
- \* Introduction to Pharmacology
- \* Introduction to Medical/Surgical Nursing
- \* Hospital patient experience
- \* Advanced specialty areas.
- \* Obstetrical Nursing
- \* Pediatrics, Geriatrics, Pharmacology

### **CAREER OPPORTUNITIES**

Hospitals  
Nursing Homes  
Clinics  
Medical Offices  
Industry

# COMPUTER INTEGRATED MANUFACTURING AND CAD / ENGINEERING TECHNOLOGY

**School Available: Lakeland Community College**

The Tech Prep curriculum is designed to prepare students for high technology careers by blending academic and technical subjects that emphasize problem-solving and critical thinking skills. The program also prepares high school graduates to pursue an Associate Degree (two-year) in Computer Integrated Manufacturing Technology. Students will take some of their required academic courses at their home school and will be transported to Lakeland Community College for the technical and applied academics component of the program.

The objective of the Computer Integrated Manufacturing curriculum is to prepare students for a career at the operations level in manufacturing industries. A manufacturing technician is able to assist with the implementation of the manufacturing process from design to finished product. Technicians support the work of engineers, utilizing theoretical knowledge of fundamental scientific, engineering, mathematical, or draft design principles.

## **Major Topics of Computer Integrated Manufacturing**

- \* **Applying “quality control” principles**
  - using and interpreting control charts
  - using precision measuring devices
- \* **Analyzing data and solving problems**
  - identifying and comparing variances
  - interpret test results and recommend changes
- \* **Applying basic machining skills and processes**
  - proper use of basic hand and power tools and machinery
  - introduction to computer numerical controlled (CNC) machinery
- \* **Applying basic drafting skills and principles**
  - demonstrate and interpret the basic principles of orthographic projection, dimensioning, and multi-view drawings
  - demonstrate basic computer-assisted drafting (CAD) skills
- \* **Applying manufacturing processes**
  - understanding manufacturing processes as they relate to time, materials, and cost
  - selection of appropriate materials and techniques
- \* **Applying effective employability skills**
  - problem solving and self-management
  - understanding and demonstrating the ability to work with others (team work)
- \* **Applying related academics**
  - mathematics (Algebra and Trigonometry)
  - scientific principles (Physics)
  - communications (Reading, Writing, Listening, and Speaking)

**COLLEGE TECH PREP**

# **COMPUTER, NETWORKING AND ELECTRONIC TECHNOLOGY (CNET)**

**School Available: Lakeland Community College**

The Tech Prep curriculum is designed to prepare students for high technology careers by blending academic and technical subjects that emphasize problem-solving and critical thinking skills. The program also prepares high school graduates to pursue an Associate Degree (two-year) in Electronic Technology. Students will take some of their required academic courses at their home school and will be transported to Lakeland Community College for the technical and applied academics component of the program.

The objective of the Electronic Technology curriculum is to prepare students for a career at the operations level in a wide range of electronic industries. An electronics technician builds, evaluates, troubleshoots, and maintains electronic products and systems by utilizing specialized skills and equipment to ensure product quality. Technicians support the work of engineers, utilizing theoretical knowledge of fundamental scientific, engineering, mathematical, or draft design principles.

## **Major Topics of Electronic Technology**

- \* **Applying the basic concepts of DC and AC electricity**
  - analyzing properties of AC and DC circuits
  - microprocessors
  - semi-conductor devices
- \* **Applying basic electronic technical skills**
  - apply wiring techniques including soldering and de-soldering
  - use digital multimeter, oscilloscope, frequency generators and counters, and calibration equipment
  - read and interpret schematics, block and logic diagrams, flow charts, and data books
  - use computers to design and test electrical circuitry
- \* **Troubleshooting products/systems**
  - analyze problem/use technical documentation
  - perform electrical tests to isolate problem
- \* **Testing, building, maintaining, and installing products/systems**
  - use technical documentation
  - develop criteria/set up test equipment
  - evaluate data/recommend course of action
- \* **Applying effective employability skills**
  - problem-solving and self-management
  - understanding and demonstrating the ability to work with others (team work)
- \* **Applying related academics**
  - mathematics (Algebra and Trigonometry)
  - scientific principles (Physics)
  - communications (Reading, Writing, Listening, and Speaking)

## **2-year program**

School available: Mentor

### **DESCRIPTION**

Interactive Media combines Fine Arts, graphics, industrial design, multimedia, and electronic imaging for art and multimedia production.

### **COURSE CONTENT**

Students learn to produce media for advertising, corporate communications, educational institutions, and the information and entertainment industries.

### **MAJOR TOPICS COVERED AND EQUIPMENT THAT WILL BE USED:**

Television Production  
Computer Graphics  
Interactive Media Production  
Graphic Design for production  
Recording  
Digital Imaging  
Digital Audio Technology  
Photography  
Student equipment maintenance  
Web page design  
Content research  
Application/Instructional Design  
Writing for interactive media

## **COLLEGE TECH PREP-CONSTRUCTION TECHNOLOGIES**

**School Available:** Lakeland Community College, 2 Year Course

**Description:** Encompasses some of the top high-demand, high, paying career fields today. All courses incorporate hands-on lab experiences, along with College Prep Academics. The program prepares High school graduates to pursue a college degree in a Construction Technology field.

**What you may study:** Architectural Design, Computer-Aided Drafting and Design, Construction Contracting, Construction Estimating, Construction Inspection, Surveying, Design/Build

**Prepare for a career as:** Draftsman, Engineer, Registered Architect, Designer, Project Manager, Cost Estimator, Home Inspector, Surveyor, and Structural Engineer