

# **ACADEMIC BULLETIN**

## **2021-2022**

To Poland Seminary High School Students and Parents:

Course offerings in this booklet are created by determining the needs of our Poland Seminary High School students and community, State of Ohio guidelines, and the expertise of the faculty, administration, and staff. We are constantly updating the course selections by adding and, in some cases, deleting courses so that the needs of our students are given the utmost priority.

To ensure the highest degree of success and satisfaction in the process of course selection, our students are encouraged to involve parents, teachers and guidance counselors. Final course selection should be a collaborative effort so that future goals, plans, and graduation requirements are fulfilled.

Please do not hesitate to contact any PSHS staff members with your questions and/or concerns regarding the course selection process. We are here to assist parents and students throughout this important decision making time.

Respectfully,

**Kevin J. Snyder, Principal**

Poland Seminary High School

330-757-7018, Ext. 4 (Office)

330-757-2305 (Fax)

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**GRADUATION REQUIREMENTS**

English	4 credits
Math	4 credits (Algebra I taken in 8 <sup>th</sup> grade counts in cumulative credits and gpa)
Science	3 credits (Must include 1 unit of a physical science and 1 unit of a life science, and 1 unit of an advanced science.)
Social Studies elective)	3 credits (World History, American History & US Government + .5)
Health	.5 credit
Phys Ed	.5 credit
Electives	<u>6 credits</u>

**TOTAL 21 CREDITS**

New Ohio Core mandates that:

- Math units include Algebra 2 or equivalent
- All students must receive instruction in economics/financial literacy during grades 9 – 12. Students must complete 2 semesters of fine arts in grades 7 -12.

**Students must successfully complete one of Ohio’s Pathways to an Ohio Diploma that may include:**

1. **End of Course Exam Points**
2. **Remediation free scores on the ACT/SAT**
3. **Industry Credentials/Work Keys test and/or other pathways as determined by the Ohio Department of Education.**

**Alternative for Getting a Diploma**

See the following link for requirements for an alternative pathway to graduation

[Earning a Diploma in 2020](#)

[Earning a Diploma in 2021-22](#)

[Earning a Diploma in 2023 and beyond](#)

**Required Release of Information to Armed Services**

According to recent Federal legislation, we are required to release the names, addresses, and phone numbers of all juniors and seniors to the U.S. Armed Forces military recruiters. Parents may “opt out” of this mandatory release of information by notifying the Guidance Office via phone call or in writing by September 15 of the student’s junior year.

**POLICIES**

1. **All students must be enrolled in five (5) classes each semester. Students must also be enrolled in classes that will earn at least 5.0 credits each year.** However, a student must average 5.25 credits per year to meet graduation requirements of 21 credits.

2. **Early Graduation**

Ohio Department of Education requirements will be followed.

3. **Drop/Add**

A student may add any subject from the **first through the tenth day of the semester.** Students may drop a subject during the initial grading period of the class, with agreement of counselor and parents. Any subject dropped following the initial grading period will be considered failed and a mark of "WF" will be recorded. This "WF" will be included in the calculation of grade point average. **Students wishing to change levels within the same course must also follow these guidelines to avoid penalty.** Changing course levels may occur once during a student's high school career.

4. **Request for level change**

- A comprehensive effort is made to schedule students appropriately based on pre-requisite coursework, teacher recommendation, and small group/individual counseling sessions. The construction of an efficient master schedule to effectively meet the needs of our ever changing student body is based on this essential data. An exception to the following procedures will be administrative/team decisions based on erroneous placement and/or clerical error.
- Level changes (any) will only be conducted at the **end of the first grading period.** The student's first quarter average will follow the student to the new placement.
- **Level changes are permanent.** By requesting a level change, the student is declaring the **coursework** to be inappropriate for the student's abilities. The student is also declaring that he/she would be better suited for the college prep/advanced track within a particular subject area.

5. **Repetition of Courses**

If a student receives a final grade of "D" or "F" in a course, he/she may petition to retake the course here at Poland Seminary High School. The higher grade received will be used to compute the student's cumulative grade point average. However, the course credit will only be awarded once toward graduation requirements. If the course is repeated in summer school, the summer school grade and the original grade will both be included when calculating cumulative grade point average. Again, only one credit will be awarded toward graduation requirements.

6. **Class Rank**

Class rank is computed for all students at the end of each year. The rank is determined by the student's grade point-average for all academic subjects. Only final grades are used for this

purpose. All letter grades are converted to the following point system for class rank purposes. A=4, B=3, C=2, D=1, and F=0.

If a student wishes to remove class rank from his/her transcript, they must contact the guidance department. Both student and parent must sign the proper forms. Please see your Guidance Counselor to discuss this.

#### **7. Summer School**

Pupils in grades 9 through 12 may attend a summer school of their choice outside the district with prior approval of the P.S.H.S. principal as to the acceptability or transferability of credits:

1. One unit may be taken at summer school per year when a student is deficient in credits due to failure or transfer into the Poland Schools.
2. Strong academic students with scheduling difficulties created by a need for academic courses necessary for a college major may, with the building principal's approval, opt for academic credit in summer school.
3. Courses repeated in Summer School will be calculated into the GPA.

NOTE: See Repetition of Courses Policy listed above.

#### **8. GED**

A Certificate of High School Equivalence (GED) for students who have withdrawn may be sought under the following conditions:

[Applying for a G.E.D](#)

#### **9. Correspondence Courses**

Correspondence Courses are not accepted at PSHS.

#### **10. Fees**

**Course fees and the purchase of graphing calculators are the student's/parents' responsibility.** In cases of financial necessity, please see the Assistant Principal.

#### **11. Prerequisites**

Students enrolling in courses for which there is a prerequisite must have a "C" or better in the prerequisite course.

#### **12. Length of School Day**

The high school day consists of seven 49-minute periods.

#### **13. Sports Participation**

##### **HIGH SCHOOL - GRADES 9 - 12 - per the OHIO HIGH SCHOOL ATHLETIC ASSOCIATION**

1. Player must not have turned 19 prior to August 1 to play that year.
2. Must have received passing grades in a minimum of five one-credit courses, or THE EQUIVALENT, in the immediately preceding grading period.

3. Students will remain ineligible until the start of the fifth school day of the next grading period. The 4th nine-week report period is used to determine the eligibility for fall interscholastic activities; summer school grades shall not be used for fall eligibility purposes.
4. Must maintain a minimum 1.0 GPA (re: S.B. 55).

### **COLLEGE DIVISION I OR II NCAA ELIGIBILITY REQUIREMENTS**

All students wishing to participate in Division I or II athletics at the university level must register with the NCAA Eligibility Center. To check requirements and to register, visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

## **ACADEMIC RECOGNITION CRITERIA**

### **ACADEMIC HONORS DIPLOMA**

Students who entered the ninth grade between July 1, 2013 and June 30, 2017 may choose to meet **either** of the following Academic Honors Diploma options:

#### **Option 1:**

##### **Graduating seniors must meet all but one of the criteria;**

1. Four units of English
2. Four units of Mathematics (Algebra I or higher)
3. Four units of Science, including Physics and Chemistry
4. Four units of Social Studies
5. Three units of one Global Language or two units each of two Global Languages.
6. One unit of Fine Arts
7. GPA of at least 3.5 on a 4.0 scale
8. A composite score of 27 on the ACT or 1210 on the SAT (Writing sections of either standardized test should not be included in the calculation of this score.)

#### **Option 2: Students entering the ninth grade on or after July 1, 2017 must meet these criteria:**

##### **Graduating seniors must meet all but one of the criteria;**

1. Four units of English
2. Four units of Mathematics (Algebra 1, Geometry, Algebra 2, and one other higher level course)
3. Four units of Science, including two units of advanced science
4. Four units of Social Studies
5. Three units of one World Language, or no less than two units of each of two World Languages
6. One unit of Fine Arts
7. GPA of at least 3.5 on a 4.0 scale
8. A composite score of 27 on the ACT or 1280 on the SAT (Writing sections of either standardized test should not be included in the calculation of this score.)

**See your Guidance Counselor for other Ohio High School Honors Diploma options or check out the following [Ohio Department of Education link.](https://education.ohio.gov/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2014-2017/Honors-Diplomas)**

**<https://education.ohio.gov/Topics/Ohio-Graduation-Requirements/Graduation-Requirements-2014-2017/Honors-Diplomas>**

### **NATIONAL HONOR SOCIETY**

To be eligible for consideration for N.H.S. a student must be a junior or senior and have a minimum 3.5 cumulative grade point average.

To be selected, students eligible must also have high marks in leadership, character and service. The final selection is made annually by a Faculty Control Board.

### **THE DELTA SOCIETY**

This is an honorary society for those students in all grades who have earned all A's (4.0) for the entire year in each grading period. The name Delta refers to the fourth letter in the Greek alphabet. It also signifies the number four in the Greek numerical system. Each new member receives a membership card in recognition of this accomplishment enclosed with the final grade report.

### **VALEDICTORIAN AND SALUTATORIAN REQUIREMENTS**

A student must be enrolled as a full-time student at Poland Seminary High School for a minimum of his/her final four high school semesters.

- 4 Units of English (**must include AP 11 and AP 12**)
- 5 Units of Math (**above Applied Algebra 1 and including Calculus or AP Calculus**)
- 4 Units of Science (**must include BSCS Biology, Chemistry and at least 2 of either AP Biology, Advanced Chemistry or Physics**)
- 3 Units of the same Global Language **or** 2 Units each of **two** Global Languages
- 3 Units of Social Studies (**must include Honors World History and AP U.S. History**)
- 1 Unit of Fine Arts

**Repeated courses will not be considered.**

### **NOTE: PRESS RELEASE OF VALEDICTORIAN/SALUTATORIAN NAMES**

Any student with a perfect 4.0 cumulative grade point average at the conclusion of the junior academic year has the opportunity to be named Valedictorian. Students must also meet criteria listed above. **Students participating in the CCP program MUST discuss requirements to meet Valedictorian/Salutatorian status prior to scheduling at YSU.** Names of these students will be released to the press as Valedictorians unless as seniors, they should receive a **final grade** of "B" or lower in a first semester class. Salutatorian will be the student or students with the second highest cumulative grade point average. The ultimate determination of Valedictorian/Salutatorian status will be the **final year-end marks.**

## **EDUCATION OPTIONS**

### **College Credit Plus (CCP)**

College Credit Plus is available to students in grades 7 – 12 who qualify. As mandated, Poland High School maintains agreements with Youngstown State University, Kent State University and Eastern Gateway Community College for students to earn both college and high school credit. Informational meetings will be held yearly before March 31 as mandated. Interested students may also visit the school website. Further clarification is available from the Guidance Office. A three or more credit hour college course will earn 1.0 high school credit.

### **Credit Flexibility**

Credit Flexibility is a way for students to earn high school credit. Directed by Ohio Senate Bill 311 (Ohio Core Legislation), the State Board of Education adopted a plan that allows students in all grades to earn high school credits in ways other than traditional coursework and classroom instruction. This “credit flexibility” plan went into effect beginning with the 2010-2011 school year and allows students to earn graduation credit through one of the following options:

1. successfully completing coursework
2. testing out or showing mastery of course content
3. pursuing an educational option and/or an individually approved option
4. any combination of the above options

Please see the PSHS website, [www.polandbulldogs.com](http://www.polandbulldogs.com), for details and the application process.

### **Career Based Intervention 1 (CBI 1) - grades 9 & 10**

Career Based Intervention 1 (CBI) is an introductory career technical education program designed for students in grades 9 - 10. The program’s goals are to help students improve academic competence, graduate from high school, develop employability skills, and implement a career plan in preparation for postsecondary education and/or careers. The CBI program also provides a combination of educational and work-based learning opportunities for student success.

The focus in CBI Related 1 (1.0 credit) will be placed on “life skills” such as personal growth, teamwork & leadership skills, developing character, decision making and solving problems, communication skills, managing and developing relationships, consumer skills, and conflict resolution.

Work experience (CBI Work 1) (2.0 credits - must work the entire school year) will be provided through the Poland Schools and supervised by the CBI instructor. Students will work approximately 80 minutes during the school day.

### **Career Based Intervention 2 (CBI 2) - grades 11 & 12**

Career Based Intervention 2 (CBI) is a career technical education program designed for students in grades 11 - 12. The program’s goals are to help students improve academic competence, graduate from high school, develop employability skills, and implement a career plan in preparation for postsecondary education and/or careers. The CBI program also provides a combination of educational and work-based learning opportunities for student success.

The focus in CBI Related 2 (1.0 credit) will be placed on examining topics and developing skills that will lead to success in the world of work. Topics and skills that will be explored and developed in CBI Related 2 are: researching careers, entrepreneurship, finding and applying for a job, interviewing, workplace ethics/health and safety/legal matters, teamwork and leadership, technology in the workplace, and understanding insurance, taxes, and social security.

In CBI Work 2, (2.0 credits - must work the entire school year) students must work a minimum of 15 hours per week in a place of employment outside the school. A job must be maintained throughout the entire school year to remain in the CBI Work 2 program. Students may be granted early release privileges as determined by the administration.

**CAREER TRAINING**

Career Training is available at the Mahoning County Career & Technical Center. Application should be made by late February of the sophomore year. See a guidance counselor for more information.

**GUIDELINES FOR COURSE SELECTION**

1. **Preparing For College**

Colleges vary considerably in their admission requirements, making it difficult to list minimum high school course prerequisites; nevertheless, it is safe to assume that all colleges expect their applicants to be well-prepared in the core academic subjects.

2. **9th Grade Math**

- Advanced Algebra 1 . . . . . A or B in 8th Grade Advanced Math
- Algebra 1 . . . . . A or B in 8th Grade Math
- or C in 8th Grade Advanced Math
- Applied Algebra 1 . . . . . C or lower in 8th Grade Math
- Advanced Geometry . . . . . A or B in Advanced Algebra 1 in 8th Grade

Eighth graders who successfully complete Algebra 1 receive high school credit for graduation purposes. This credit will count as one (1) of the 21 credits required for graduation per Senate Bill 55. Please note that this eighth grade course will be calculated in the student's high school grade point average and class rank.

3. **Remainder of High School Math**

- Advanced Geometry . . . . . A or B in Advanced
- Algebra 1
- Geometry . . . . . C or better in Algebra 1
- Advanced Algebra 2 . . . . . A or B in Advanced Geometry
- Algebra 2 . . . . . C or better in Algebra 2



Advanced Pre-Calculus . . . . .	A or B in Advanced Algebra 2
Pre-Calculus . . . . .	C or better in Algebra 2
Statistics . . . . .	C or better in Algebra 2
Calculus . . . . .	C or better in Pre-Calculus
AP Calculus . . . . .	A or B in Advanced Pre-Calculus
Statistics . . . . .	C or better in Algebra 2

4. **Global Language**

A grade of “C” or better is required to continue second, third, or fourth year of global language study.

5. **Honors/Advanced Courses**

A student must demonstrate both the ability and willingness to cope with the rigor of an honors course. A grade of “B” or better and permission from that instructor and a guidance counselor is required for admission to upper level courses. In addition, graded summer work is required for all honors courses.

Students presently taking honors courses are required to earn a “B” or better. A grade of “D” or “F” will automatically necessitate immediate transfer to a college level. If a student earns two consecutive grades of “C”, the teacher and guidance counselor will meet to consider transferring the student to a college preparatory section.

6. **Advanced Placement Courses**

Students wishing to take Advanced Placement coursework should consider the following:

- Students must complete the required prerequisite courses as determined by each department.
- Students choosing AP courses must follow specific drop/add guidelines for each course that are different than for regular courses.

See your Guidance Counselor for this policy before signing up for an AP class.

**HONORS COURSE – RECOMMENDED SEQUENCE**

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
Honors English 9	Honors English 10	AP English 11 or College English 11	AP English 12 or College Writing 1 & 2
Advanced Geometry	Advanced Algebra 2	Advanced PreCalculus Statistics	Calculus or AP Calculus
BSCS Biology	Chemistry Intro to STEM(.5) Biotechnology(.5)	AP Biology Advanced Chemistry Environmental Science Anatomy/Physiology 1(.5)	STEM Physics AP Biology Advanced Chemistry Environmental Science

		Intro to STEM(.5) Biotechnology(.5) Physical Geology(.5) Statistics	Anatomy/Physiology 2(.5) Intro to STEM(.5) Biotechnology(.5) Physical Geology(.5)
Honors World History	AP US History	Social Studies Elective(.5) Adv. US Government(.5) AP Art History	Social Studies Elective(.5) Adv. US Government(.5) AP Art History
Global Language	Global Language	Global Language	Global Language
Phys Ed(.25)	Phys Ed(.25)	Health(.5)	

### COLLEGE PREP COURSE – RECOMMENDED SEQUENCE

<u>GRADE 9</u>	<u>GRADE 10</u>	<u>GRADE 11</u>	<u>GRADE 12</u>
College English 9	College English 10	College English 11	College English 12
Algebra 1	Geometry	Algebra 2	PreCalculus Statistics
Physical Science	Biology Intro to STEM(.5)	Chemistry Environmental Science Anatomy/Physiology 1 (.5) Intro to STEM(.5) Biotechnology(.5)	Statistics Physics Advanced Chemistry AP Biology Environmental Science Anatomy/Physiology 2 (.5) Intro to STEM(.5) Biotechnology(.5) Physical Geology(.5)
College World History	College US History	Social Studies Elective(.5)	Social Studies Elective(.5) US Government(.5)
Global Language	Global Language	Global Language	Global Language
Phys Ed(.25)	Phys Ed(.25)	Health(.5)	

### CAREER TRAINING – RECOMMENDED SEQUENCE

<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
English 9	English 10	English 11	College English 12
Applied Algebra 1	Algebra 1	Geometry	Algebra 2
Physical Science	Biology	Environmental Science Anatomy/Physiology 1(.5)	
College World History	College US History	Social Studies Elective(.5)	Social Studies Elective(.5) US Government(.5)

Phys Ed(.25)	Phys Ed(.25) & Health(.5)		
CBI 9	CBI 10	CBI or MCCTC*	CBI or MCCTC*

\*Note: Health and Phys Ed are not offered at the MCCTC and must be completed prior to admission. Students wishing to pursue Career Training should have successfully completed those courses listed under grades 9 & 10 of the Career Training sequence. Additional required subjects for meeting graduation requirements are offered at the MCCTC.

### **ELECTIVES FOR ALL COURSES OF STUDY\***

<b><u>Grade 9</u></b>	<b><u>Grade 10</u></b>	<b><u>Grade 11</u></b>	<b><u>Grade 12</u></b>
Italian I	Italian II	Italian III	Italian IV
Spanish I	Spanish II	Spanish III	Spanish IV
Intro to Art (.5)	Art 2	Art 3	Art 4
Oral Interpretation (.5)	Intro to Accounting	History of Fine Arts (.5)	Global Foods
Career & College Readiness (.5)	Harmonically Speaking	Intro to Criminal Justice (.5)	Economics (.5)
Personal Wellness & Development (.5)	CBI 10	Psychology (.5)	CBI 12
Textile Design, Construction & Maintenance (.5)		Statistics	
Concert Band		Child Development (.5)	
Symphonic Band		Culinary Fundamentals (.5)	
Wind Ensemble		Accounting 2	
Jazz Ensemble		Honors Computer Literacy	
Concert Choir		Lifetime Fitness & Sport (.5)	
Intro to Multimedia (.5) Video Production (.5) Sports Broadcasting 1-4 (.5)		Seminarian	
Computer Animation (.5) App Design (.5)		Pioneer	
CBI 9		CBI 11	

**\*STUDENTS MAY SELECT ANY ELECTIVE LISTED AT A PREVIOUS GRADE LEVEL.**

# COURSE DESCRIPTIONS

## ART

### **INTRODUCTION**

All divisions emphasize not only the fine arts but also the useful arts. Course of study is planned to be of general interest and value to all students rather than exclusively for those with special ability. The study of art develops originality, independent thinking, and proficiency in creative problem solving. These courses may be used to fulfill the Fine & Performing Arts credit required by state universities in Ohio.

**Intro to Art** **1 Semester** **½ Credit**

This introductory course to the study of design is open to any interested student. It teaches the elements of design which include line, shape, form, value, color, space and texture through a variety of art experiences and media.

A fee is charged.

**Art 2** **All Year** **1 Credit**

Prerequisite: Intro to Art

A more in-depth study of “color and design” applying all of the “art elements and principles” to various suggested projects. Studio practices are supplemented by textbook readings, art history presentations, and student research reports.

A fee is charged.

**Art 3** **All Year** **1 Credit**

Prerequisite: Intro to Art & Art 2

The basics of Intro to Art and Art 2 are continued with a greater concentration on art history whereby the students apply historical techniques, interpretations, and criticism to their own work. Each 9 weeks, a particular aspect of the visual arts is studied in depth; drawing; painting; printmaking and other graphics; sculpture and nontraditional art forms.

A fee is charged.

**Art 4** **All year** **1 Credit**

Prerequisite: Intro to Art, Art 2 and Art 3

A continuation of the fundamentals of Art 3; however, the fourth year art students become individually involved with developing their own creative style to a greater extent. This is a year of experimenting and choice. The periods of art history up to and including contemporary trends are studied.

A fee is charged.

## BUSINESS APPLICATIONS

### Introduction to Accounting \_\_\_\_\_ All Year

1 Credit

The students learn to work with the various journals and ledger accounts and will follow the accounting cycle to the end of the fiscal period for proprietorships and partnerships. Realism is created through the use of standard forms and procedures. An introduction to income tax and payroll taxes is given. Students will complete a Reinforcement Activity which will give them practical experience in journalizing, posting and creating various financial statements necessary in business operation. Students are given exposure to automated accounting on the computer.

**THIS COURSE SATISFIES THE FINANCIAL LITERACY REQUIREMENT.**

A fee is charged.

### Accounting 2

All Year

1 Credit

Prerequisite: Introduction to Accounting.

The students will continue to apply their skills from Introduction to Accounting but in greater detail and more experience will be gained on the computer. This course will offer students interested in pursuing a career in Accounting, Business Management, and even Finance an opportunity to explore the subject in greater detail.

A fee is charged.

## ENGLISH

### **INTRODUCTION**

The English Language Arts courses at Poland Seminary High School are sequentially designed to promote readiness for college and career in the 21st century. The primary objectives are to encourage students to think critically through experiencing a variety of both literary and informational texts and to express themselves logically and effectively through writing and speaking. By the end of high school, students will have a strong literary foundation. They will have learned to read literature well and will be familiar with many essential works of fiction, poetry, and drama. They will have developed informational literacy skills and will know how to write a research paper, integrating information from multiple sources. They will be able to state, defend and discuss their opinions logically and coherently. Having completed the English Language Arts program at Poland Seminary High School thoughtfully and thoroughly, graduates will be prepared for college and employment, civic participation and a lifetime of intellectual curiosity. A fee is charged for all English Language Arts courses.

### **College English 9**

**All Year**

**1 Credit**

This course focuses on literature, vocabulary and composition for the college-bound student. The course offers an overview of literature across major forms and genres including the short story, the novel, poetry, drama and literary nonfiction. The development of composition skills is emphasized and focuses on the logical development of a thesis and supporting ideas. The development of research skills emphasizes the defining and refining of research questions.

A fee is charged.

### **Honors English 9**

**All Year**

**1 Credit**

Designed for motivated freshmen, Honors English 9 emphasizes active reading of challenging texts. Authors include Shakespeare, Charles Dickens, Bram Stoker, Ray Bradbury and S. E. Hinton. The development of composition and research skills is also emphasized. Students are required to complete summer reading assignments.

A fee is charged.

### **College English 10**

**All Year**

**1 Credit**

Prerequisite: College English 9

College English 10 focuses on enhancing the student's ability to read and comprehend more complex literature and literary nonfiction independently and proficiently. Composition instruction emphasizes the refinement of writing style, focusing on narrative, expository, and argumentative essays. Research assignments emphasize the synthesis of information gathered from various sources.



A fee is charged.

**Honors English 10**

**All Year**

**1 Credit**

Prerequisite: Honors English 9; teacher recommendation

Honors English 10 is designed to provide a foundation in world literature, literary forms, inductive and deductive reasoning and analytic writing. This course encourages students to develop connections between global citizenship and the power of the journey or quest in literature. Reading *The Odyssey*, *Siddhartha*, and *Frankenstein*, as well as literature from India and Africa, students are encouraged to participate actively in a seminar classroom, and to develop their thinking, speaking, and writing skills in response to literature. Additional emphasis is placed on enhancement of composition and research skills. Students are required to complete summer reading assignments.

A fee is charged.

**College English 11**

**All Year**

**1 Credit**

Prerequisites: College English 9; College English 10

This course is devoted to the study of American literature from the Colonial Period to the late twentieth century. Throughout the year, students will analyze historical and informational texts as well as literary texts across all genres. Students will build on their writing skills from previous years, integrating multiple sources and perspectives into their work, reading literary criticism, and writing longer and more complex essays.

A fee is charged.

**AP English 11 Language & Composition All Year**

**1 Credit**

Prerequisites: Honors English 9; Honors English 10; teacher recommendation

This course focuses on the close reading and critical analysis of American literature from the Colonial Period through the late twentieth century. Careful attention to both textual detail and historical context provides a foundation for interpretation of literary and informational texts from a variety of critical perspectives. Writing assignments focus on expository, analytical and argumentative essays. Students are required to complete summer reading assignments.

**Students are required to take the AP Test in the Spring.**

A fee is charged.

**College English 12**

**All Year**

**1 credit**

This course is a survey of classic literature which will explore all literary genres and their impact on the modern world. This course also refines the writing skills the student has developed thus far, with emphasis on the narrative, expository and argumentative rhetorical modes. The ongoing development of informative literacy skills will culminate in the writing of a multi-modal, college-level, thesis-driven research paper.

**A fee is charged.**

**College Writing 1 & 2 CCP All Year 2 credits**

This course begins with Writing I in the first semester and Writing II in the second semester. The first semester will focus on the study and practice of academic writing, including an introduction to rhetorical principles, the writing process, critical reading, research, and technology. The second semester is a continuation of college-level writing instruction with emphasis on research and inquiry, culminating in a lengthy written and/or multi modal project. This course offers students college credit through the College Credit Plus program at Kent State University as ENG 11011 and ENG 21011. Students will receive six (6) semester hours of undergraduate credit.

**AP English 12 Literature & Composition All Year 1 Credit**

Prerequisites: Honors English 9; Honors English 10; AP English 11; teacher recommendation

This course is designed for highly capable and motivated students who wish to enhance their analytical and critical interpretation skills through an intensive study of European literature. Composition will focus on critical analysis of the literature studied and will include research projects and a formal research paper. Students will also be required to complete summer reading assignments. **Students are required to take the AP Test in the Spring.**

A fee is charged.

## **FAMILY AND CONSUMER SCIENCE**

**Child Development 1 Semester ½ Credit**

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services. For students in grades 11 and 12.

A fee is charged.

**Career and College Readiness**  
**Credit**

**1 Semester**

**½**

In this course, students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict-resolution, negotiation, leadership and entrepreneurship. For students in grades 9, 10, and 11.

A fee is charged.

**Textile Design, Construction and Maintenance**    **1 Semester**

**½ Credit**

In this course, students will study the visual appearance of fabric and fashion design. Students will identify, analyze and apply production processes and techniques to textiles. Additional topics will include the maintenance and alterations of textile products, including home interior accessories and garments. For students in grades 9 through 12.

A fee is charged.

**Culinary Fundamentals**

**1 Semester**

**½ Credit**

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on *mise en place*, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. For students in grades 11 and 12.

A fee is charged.

**Global Foods**

**1 Semester**

**½**

**Credit**

Prerequisite: Healthy Living or Culinary Fundamentals

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. For students in grade 12 only.

A fee is charged.

**Personal Wellness and Development**      **1 Semester**       $\frac{1}{2}$   
**Credit**

In this course students will develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem-solving, work ethics, nutritional and food selections, family dynamics and personal health. For students in grades 9 and 10.

A fee is charged.

## **FINE ARTS**

**Oral Interpretation**      **1 Semester**       **$\frac{1}{2}$  Credit**

This course is the suggestion of literature for an audience. The three types of literature used include prose, poetry, and drama. Oral interpretation class is organized to provide every student with the opportunity of speaking in a variety of situations before a group of peers and a critical evaluator. This class is beneficial for every student especially those selecting teaching, law, broadcasting and business related fields. This course may be used to fulfill the Fine & Performing Arts credit required by state universities in Ohio.

**History of Fine Arts**

**1 Semester**

**½ Credit**

Prerequisite: World History and a Junior or Senior standing.

History of Fine Arts is a multi-disciplinary course in art, music, literature, and architecture. It is presented on a continent-by-continent basis. The text will be enhanced by lectures, class discussion, the use of slides, compact discs, videos, and the reading of selected poetry and short stories. The class will fulfill **either** a Social Studies **or** a Fine Arts requirement at state universities in Ohio.

## **GLOBAL LANGUAGES**

### **INTRODUCTION**

The Global Language Department at Poland Seminary High School offers two languages; Italian and Spanish. Enrollment in each of the Global Languages offered is limited. Students in

grades 9 and 10 are given priority for enrollment in the first year of all languages. Other students may enroll at the first year level as space becomes available.

### **Spanish I**

**All Year**

**1 Credit**

In Spanish I grammar is stressed along with the acquisition of vocabulary and learning to read, write and speak in Spanish. Many drills involving imitation, repetition and substitution are employed. The students practice grammar usage and writing through a variety of activities. They are introduced to culture through the book, internet and videotapes.

A fee is charged.

### **Spanish II**

**All Year**

**1 Credit**

Prerequisite: Spanish I (A grade of C or better is recommended)

The second year of Spanish is designed to increase students' proficiency in the four basic skills: writing, reading, speaking, listening comprehension and more complex grammar structure. The students will learn more about the culture and customs of the various Spanish-speaking countries.

A fee is charged.

### **Spanish III**

**All Year**

**1 Credit**

Prerequisite: Spanish II (A grade of C or better is recommended)

This course is for students who enjoy the study of the Spanish language and want to continue with its practice and use as a means of communication. Speaking the language is encouraged and the acquisition of new vocabulary is stressed. The emphasis on reading is on learning to read for understanding and pleasure so as to appreciate the Spanish literature.

A fee is charged.

### **Spanish IV**

**All Year**

**1 Credit**

Prerequisite: Spanish III (A grade of C or better is recommended)

A major objective of Spanish IV is to gain the ability to speak and comprehend the Spanish language fluently. Grammar is reviewed and expanded upon to strengthen language skills. Short stories, foreign films, and other authentic resources are utilized in this course. Vocabulary is studied to prepare students for college placement tests.

### **Italian I**

**All Year**

**1 Credit**

Students of Italian I will be introduced to multiple grammar points as well as essential vocabulary. Italian I students will begin their phonetic studies with the alphabet and sounds in

order to grasp the pronunciation of the language. Level I of Italian will also introduce important cultural traditions. Italian I students will be able to speak and understand the basics of the language by the end of the year.

A fee is charged.

### **Italian II**

**All Year**

**1 Credit**

Prerequisite: Italian I (A grade of C or better is recommended.)

In Italian II, students will continue to use the grammatical structures from Italian I within a more conversational context. The second year of Italian studies will shift focus from grammar to speech and will work toward breaking the silence barrier that most language learners encounter. By the end of Italian II, the students will be able to speak and understand the language efficiently while also correctly employing their grammar background.

A fee is charged

### **Italian III**

**All Year**

**1 Credit**

Prerequisite: Italian II (A grade of C or better is recommended.)

Students in Italian III will continue to build a grammar and vocabulary foundation within a more written context. Italian III will shift focus from grammar and speaking to writing. Italian III will build upon Italian I and II by adding a geographical and historical base of knowledge. By the end of Italian III, the students will be able to successfully understand, speak, and write within the target language.

A fee is charged.

### **Italian IV**

**All Year**

**1 Credit**

Prerequisite: Italian III (A grade of C or better is recommended.)

Italian IV students continue to acquire skills in speaking, writing and reading Italian. Grammar is reviewed and expanded through thematic units and cultural studies. Students will be challenged to use Italian to communicate their ideas and to work toward a more fluid command of the language. Authentic resources such as operas, short stories and foreign films will be utilized to prepare students for college studies.

## **MATHEMATICS**

### **INTRODUCTION**

Mathematics is a spiral type program in that each course is dependent upon the materials taught in the preceding course or courses. The many studies of mathematics in recent years have brought about many changes and improvements in the curricula. A diverse mathematics curriculum is offered which meets the needs of most students at various levels of learning. The curriculum at the high school consists of different course offerings and/or tracks. Success in

any mathematical course is greatly dependent upon material studied and retained from preceding courses in the mathematics curriculum.

**Applied Algebra 1** **All Year** **1 Credit**

Recommendations: Students with a grade of C in 7th or 8th grade math.

Applied Algebra 1 is intended to help students make the transition from Arithmetic to Algebra placing emphasis on prerequisite skills, concepts, and problem solving processes. This will provide a foundation to earn an additional 3 credits in Algebra, Geometry and Algebra 2 to meet state graduation requirements.

**Algebra 1** **All Year** **1 Credit**

Recommendations: Students taking this course at the 9th grade level should have a good background in mathematics at the 7th and 8th grade level. Students with a grade of A or B in 8th Grade Math or students with a grade of C in 8th Grade Advanced Math should take this course.

Algebra 1 is a full year course that is the first year of a three-year core curriculum. It includes the concepts of real number properties, solving linear and quadratic equations, graphing, problem-solving strategies, deductive reasoning, patterns and relations. It is the first year course in a sequence that would empower the student to succeed in advanced mathematical topics. **The purchase of a TI-84 graphing calculator is required.**

**Advanced Algebra 1** **All year** **1 Credit**

Prerequisite: 8th Grade Advanced Math.

Students in this course will cover all of the regular Algebra 1 concepts, as well as more advanced concepts and problems. Students should maintain at least a B average to remain in the Advanced Math courses. **The purchase of a TI-84 graphing calculator is required.**

**Geometry** **All Year** **1 Credit**

Recommendations: Students successfully completing Algebra 1.

Geometry is a full year course that is the second year of a core curriculum. It includes the study of 2 and 3 dimensional figures. Students construct and interpret geometric models and apply properties to problem situations. A system of axioms will be developed and used to construct formal proofs. An algebraic treatment of Geometry will be included as will a brief treatment of trigonometry. It is the second course in a sequence that would empower the student to succeed in advanced mathematical topics.

**Advanced Geometry** **All Year** **1 Credit**

Prerequisite: Advanced Algebra 1 in the 8th or 9th Grade.



Students in this course will cover all of the regular Geometry concepts, as well as more advanced concepts and problems.

**Algebra 2**

**All Year**

**1 Credit**

Recommendations: At least a C in Algebra 1 and Geometry.

Algebra 2 is a full year course that is the third year of a core curriculum. Its purpose is to extend the concepts introduced in Algebra 1 and will include trigonometric functions, matrices, conic sections and logarithms. It is the third course in a sequence that would empower the student to succeed in advanced mathematical topics.

**Advanced Algebra 2**

**All Year**

**1 Credit**

Prerequisite: Advanced Geometry.

Students in this course will cover all of the regular Algebra 2 concepts as well as more advanced concepts and problems. Students should maintain at least a B average to remain in advanced math. **The purchase of a TI-84 graphing calculator is required.**

**Statistics**

**All Year**

**1 Credit**

Prerequisite: Successful completion of Advanced or College Preparatory Algebra 2

This course is designed for students who are interested in an introduction to statistical reasoning. Topics will include collecting and summarizing data, concepts of randomness and sampling, and statistical inference and reasoning. Students will complete real world based projects and incorporate technology into data analysis.

**Pre-Calculus**

**All Year**

**1 Credit**

Recommendations: At least a C in Algebra 2.

This course is designed for students who had come difficulty in Algebra 2 but still want to pursue a mathematical curriculum. Some of the topics covered in Advanced Pre-Calculus are not covered in this course. **The purchase of a TI-84 graphing calculator is required.**

**Advanced Pre-Calculus**

**All Year**

**1 Credit**

**Advanced Pre-Calculus CCP**

**All Year**

**2 Credits**

Prerequisite: Advanced Algebra 2.

This full year course is designed to educate students at the college level in advanced mathematics topics. A student has the option to enroll in two YSU courses through the College Credit Plus program. One semester is focused on College Algebra (Math 1510) topics; real numbers, equations and inequalities, linear, quadratic, polynomial, exponential and logarithmic functions and graphs, systems of equations, binomial theorem and applications. This class can

fulfill a college's general education requirements for mathematics. The other semester is focused on Trigonometry (Math 1511) topics; unit circle, angle measurements, similar triangles, trigonometric ratios and right triangle trigonometry, polar coordinates, law of (co)sines, six trigonometric functions and graphs, fundamental identities, equation solving and inverse trigonometric functions, complex numbers, and real life applications. **The purchase of a TI-84 graphing calculator is required.** Students will receive seven (7) semester hours of undergraduate credit.

**Calculus** **All Year** **1 Credit**  
 Prerequisite: Pre-Calculus or Advanced Pre-Calculus.

This course will review Pre-Calculus topics and then will delve into Calculus concepts such as limits, derivatives, and integration. **The purchase of a TI-84 graphing calculator is required.** This course offers students college credit through the College Credit Plus program as YSU course MATH 1571. Students will receive four (4) semester hours of undergraduate credit.

**AP Calculus AB** **All Year** **1 Credit**  
**AP Calculus AB CCP** **All Year** **1 Credit**  
 Prerequisite: Advanced Pre-Calculus

This is a rigorous course in Calculus. Students are expected to work on a review of Pre-Calculus concepts over the summer and will be tested on them the first week of school. This will enable students to begin in the fall with Calculus concepts including rates of change, integration, volume, etc. Students planning on a career in engineering or a related field should consider taking this course. **Students are required to take the AP test in the spring and to have a TI-84 or TI-89 graphing calculator.** This course offers students college credit through the College Credit Plus program as YSU course MATH 1571. Students will receive four (4) semester hours of undergraduate credit.

**Advanced Mathematics Program**

Recommendations: Students should have a strong background in the fundamentals of mathematics and have the desire to complete a five year mathematics program in a period of four years of high school. A "B" or better average is recommended to continue in this program.

- YEAR 1 8th Grade Algebra 1
- YEAR 2 Advanced Geometry
- YEAR 3 Advanced Algebra 2
- YEAR 4 Advanced Pre-Calculus
- YEAR 5 AP Calculus or Calculus

## **Music**

### **INTRODUCTION**

The music department provides instrumental and vocal music instruction in an ensemble setting. All classes are performance-based, and emphasize musicianship and music literacy. In addition, the music department develops musical standards, and imparts a basis for value judgment, resulting in the encouragement of sensitive musicianship and artistic appreciation that will be influential in the lives of students beyond their secondary education. The areas of music history, theory, and technology are included in each course.

**Band**

**All Year**

**1 Credit**

Prerequisite: None

All participating students are enrolled in one of several ability-based ensembles. Each ensemble performs at a minimum of three concerts per year, and concert attendance is mandatory for all members. Students are graded based on their ability to read musical notation, play a woodwind, brass, or percussion instrument, and their understanding of musical terms and concepts.

**Jazz Ensemble**

**All Year**

**1 Credit**

Prerequisite: Students must be enrolled in Band or Choir, and must be proficient on one of the following instruments – Saxophone, trombone, trumpet, electric guitar, bass guitar, piano, drum set, or voice.

The Jazz Ensemble provides students the opportunity to perform and improvise music in the various styles of jazz, blues, be-bop, swing, rock, funk, and pop. Students interested in the Jazz Ensemble must see the director for audition information. Students are graded based on their ability to read musical notation, play an instrument with appropriate jazz style, and their understanding of jazz terms and concepts.

**Concert Choir**

**All Year**

**1 Credit**

This is a year-long course offered to all students as continuation in the choral sequence. The core curriculum is a deeper exploration of vocal technique, music theory, and music history through the study of a wide variety of choral music written for mixed voices. Students in Concert Choir are expected to participate in one evening concert each quarter as a major part of their grade.

**Seminary Singers (Show Choir)**     *(After School Activity)*

\*Prerequisite: Audition and consent of instructor only.

This is a year-long, upper-level performance opportunity offered to experienced music students who are accomplished in vocal performance. Students will continue to develop vocal technique and musicianship as well as develop critical thinking skills through the analysis of musical elements, including form and text. Students are expected to participate in one evening concert each quarter as a major part of their grade as well as a few other performance opportunities that arise throughout the year.

## PHYSICAL EDUCATION & HEALTH EDUCATION

### Physical Education

1 Semester

¼ Credit

The ODE guidelines for credit in this course requires that the student completes 120 hours of instruction and activity time in the classroom for the ½ credit needed for graduation.

The Physical Education Curriculum will include a variety opportunities for the student to develop proficiency in the Ohio Department of Education Physical Education Benchmarks adopted in July of 2012. Each student's achievement in these benchmarks is to be reported to the ODE as part of the district report card.

Those benchmarks include:

- Standard One:** Competency in motor skills & movement patterns for performance in a variety of physical activities
- Standard Two:** Demonstrates understanding of movement concepts, principles, strategies and tactics when performing various activities
- Standard Three:** Understands and engages in regular physical activity of at least 60 minutes per day.
- Standard Four:** **An evaluation and performance of Physical Best Assessments**  
This standard is a cut and dry evaluation based on each students "testing scores" of the Physical Best Program adopted by the Ohio Department of Education. Each student is to understand and be able to apply the principles, components and practices of the health-related fitness terminology presented through this class.
- Standard Five:** Exhibits responsible personal behavior and social behavior that demonstrates respect for self and others in the physical activity setting.
- Standard Six:** Values physical activity for health benefits, enjoyment & challenges, for Self-expression and/ or positive social interaction

### Health

1 Semester

½ Credit

Health education is a semester class devoted to the presentation of current topics that aim to equip students with knowledge and skills necessary to make positive healthy choices throughout their lives.

This class will explore topics that influence our personal wellness on a daily basis. Topics include; general hygiene practices, decision making, personality development, role models, emotional needs, stress reduction and its relationship to mental illness, suicide prevention and risky behaviors such as drug, tobacco and alcohol use.

Students will also be exposed to various nutrition topics that include MyPlate.gov, fad diet trends, sport nutrition, portion sizing and reading of food labels. We will also look at human growth and development, reproduction, STI information and prevention strategies, various methods of contraception with an emphasis on abstinence.

Students will also hear information on organ donation and be instructed on methods of CPR.

**Lifetime Fitness and Sport \_\_\_\_\_ 1 Semester**

**½ Credit**

Prerequisite: Students must have completed their PE credit.

Lifetime Fitness and Sport is a semester long elective class worth ½ credit. Students must be Junior or Senior level to enroll. This course will touch on a wide variety of topics related to fitness and sport. Principles of training including diet and exercise techniques will be taught, as well as, rules and strategies of various lifetime sports. The classroom setting will vary each day from the weight room, to the gymnasium, to the field to the classroom. Students will be graded on written assignments, quizzes, article reviews and their effort and attitude during participation.

## PUBLICATIONS

### **Seminarian**

**All Year**

**1 Credit**

The Seminarian staff is comprised of students from grades 10 - 12 selected by previous editors and the advisor. Students apply for staff positions in the spring of the preceding year. The Seminarian Staff is responsible for publishing the school newspaper which is issued 5 to 6 times during the school year. Grading is on a basis of S & U (Satisfactory & Unsatisfactory.)

### **Pioneer**

**All Year**

**1 Credit**

Pioneer is open to sophomore, junior, or senior students who make application to the yearbook advisor the spring before they wish to serve as a staff member. A variety of positions are available: editor-in-chief, section editors, photographers, business manager, art editors, copy editors. Students are chosen for their positions by the yearbook advisor and graduating senior staff members. Grade averages, participation in co-curricular activities, and interests expressed on the application are a few of the determining factors for placement on the staff. All students who apply are not accepted for a position. It is a job of the newly chosen staff to produce the school yearbook. It is also the job of each staff to raise enough money to finance their book through ad and book sales. Grading is on a basis of S & U (Satisfactory & Unsatisfactory.)

## SCIENCE

### **INTRODUCTION**

The science discipline is one which places an emphasis on developing the student's ability to make observations, form hypotheses, set up investigations, and to arrive at conclusions based on measurable data obtained. The goals of the science department are:

1. To help the student understand natural phenomena.
2. To encourage the student to develop and maintain an interest in science.
3. To provide classroom and laboratory experiences that benefit all students.

In addition, when possible, computer assisted and interfaced lab experiences will be integrated into the biology, chemistry and physics curricula.

### **Physical/Earth/Space Science**

**All Year**

**1 Credit**

Prerequisite: Ninth grade standing.

Physical/Earth/Space Science is an introductory course particularly applicable to freshmen students. It is designed to provide opportunity to acquire the knowledge, prerequisite skills, and habits of mind needed for problem solving and ethical decision making about matters of scientific and technological concern, as well as provide a basic foundation for advanced studies in the sciences and personal career choices. Topics include, but are not limited to, properties of matter, atomic structure, forces and motion, work and energy, earth processes and space technology. The course will cover the use of lab equipment, scientific method, science journaling, observation and inferences. Mathematics as related to science, especially numerical and graphical analyses will be a strong component of the coursework.

A fee is charged.

### **Biology**

**All Year**

**1 Credit**

Biologists study the structures and functions found in organisms, the variety of living things, the development of variations, heredity, and the interactions of living things with their environment. Laboratory exercises involve manipulation of equipment, careful observation, and recording. This study ranges from the cellular to the multicellular level. As such, some elementary chemistry is involved. Biology will challenge the average student, so the student should recognize considerable effort is needed in this elective subject.

A fee is charged.

### **Biological Science Curriculum Study (BSCS)** **All Year**

**1 Credit**

Prerequisite: Teacher recommendation from 8th grade.

The BSCS program deals with organizational levels (molecular, cellular, organ, system, population, ecosystem, for example) of living things. More inquiry is involved than the regular biology course, along with the integration of some chemistry. This class is designed for



students of high academic ability who should expect challenging work. The BSCS course is good preparation for further studies in science.

A fee is charged.

<b><u>AP Biology</u></b>	<b>All Year</b>	<b>1 Credit</b>
<b><u>AP Biology CCP</u></b>	<b>All Year</b>	<b>2 Credits</b>

Prerequisite: A or B in either BSCS or general Biology; A or B in Chemistry.

This elective is an advanced placement course providing an entry level university study of biological disciplines. AP Biology offers an in-depth study of basic biology and is intended for those students anticipating further education in scientific fields. Students will study the chemical and physical foundations of life, structure and function of cells and organelles, metabolism, basic molecular biology and inheritance, and principles of evolution during the first semester. The second semester focuses on the structure and function of plants and animals, examination of the structure and functioning of organismic communities and ecosystems. This course offers students college credit through the College Credit Plus program as YSU courses BIOL 2601/2601L and BIOL 2602/2602L. Students will receive eight (8) semester hours of undergraduate credit.

**Students are required to take the AP test in the spring.**

A fee is charged.

<b><u>Chemistry</u></b>	<b>All Year</b>	<b>1 Credit</b>
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Prerequisite: C or better in Algebra 1; Algebra 2 is recommended.

Chemistry is designed to meet the needs of the college-bound student. It is concerned with nature and changes of matter. The laboratory and lecture are the chief tools which introduce observations and data that are integrated into the theoretical, descriptive, and mathematical content of the course. Since chemistry involves a great deal of problem solving, the prospective student should have a strong background in mathematics. Goggles and a problem solving book are purchased.

A fee is charged.

<b><u>Advanced Chemistry</u></b>	<b>All Year</b>	<b>1 Credit</b>
<b><u>Advanced Chemistry CCP</u></b>	<b>All Year</b>	<b>2 Credits</b>

Prerequisite: A or B in Chemistry

Advanced Chemistry is a very demanding course, in which a student is concurrently enrolled at Youngstown State University in CHEM 1515 and CHEM 1516. Students will receive eight (8) semester hours of undergraduate credit and will follow the YSU syllabus for course content. This course is part of the College Credit Plus program.

A fee is charged.

**Environmental Science**

**All Year**

**1 Credit**

Prerequisite: 2 Science credits.

Environmental Science, a junior/senior elective, is a year long comprehensive course which provides the opportunity for a student to develop an understanding of, and acquire skills associated with, the varied disciplines of science from a global ecological perspective. Key applications will include the following: concept analysis, research and laboratory investigation. Key concepts will include, but are not limited to, studies in the atmosphere, hydrosphere, lithosphere, population studies, global resource management, and sustainability.

A fee is charged.

**Fundamentals of Physics**

**All Year**

**1 Credit**

Prerequisite: Concurrently taking Pre-Calculus or higher

Fundamentals of Physics is an inquiry-based laboratory experience that engages students in asking valid scientific questions and gathering and analyzing information. This course elaborates on the study of the key physics concepts as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students will engage in investigations to understand and explain concepts in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Topics include the following: One and Two Dimensional Motion, Newton's Laws, Forces (including gravitational, elastic, frictional, and drag forces) in One and Two Dimensions, One-Dimensional Momentum and Impulse, Forms of Energy, Conservation of Momentum and Energy, Work and Power, Waves, Light Phenomena, Electricity and Magnetism, Coulomb's Law, Electric Fields and Electric Potential Energy, DC Circuits, Magnetic Fields and Energy, and Electromagnetic Interactions.

A fee is charged.

**STEM Physics**

**All Year**

**1 Credit**

**STEM Physics CCP**

**All Year**

**1 1/3 Credit**

Prerequisite: Concurrently taking Calculus or higher

STEM Physics is a course in introductory mechanics designed for students that wish to major in a STEM field and/or gain college credit through the College in High School/Dual Enrollment program. While the goals of the course are the same as Fundamentals of Physics, topics will include the following, which are designated as part of the Physics 1501 course at Youngstown State University: One and Two Dimensional Kinematics, Newton's Laws, Forces in One and Two Dimensions, Momentum and Impulse, Energy, Rotational Motion, Torque, Angular

Momentum, Simple Harmonic Motion, Mechanical Waves, and Sound. Students will receive five (5) semester hours of undergraduate credit.

A fee is charged.

<b><u>Intro to STEM</u></b>	<b>1 Semester</b>	<b>½ Credit</b>
Prerequisite: Geometry		

Students will use scientific methods and the engineering design process to answer questions about the world around them. Class activities will provide opportunities to solve problems, design experiments, build apparatuses, and test them with instruments used in the workplace.

A fee is charged.

<b><u>Human Anatomy and Physiology 1</u></b>	<b>1 Semester</b>	<b>½ Credit</b>
<b><u>Human Anatomy and Physiology 1 CCP</u></b>	<b>1 Semester</b>	<b>1 Credit</b>

This one semester course is designed to help meet the needs of those who have selected future careers in nursing, biology, pharmacy, or related medical fields. Topics include body organization, biological chemistry, homeostasis, cytology, histology and the integumentary, skeletal, muscular, nervous system and special senses. Other topics include pathophysiology, nutrition, metabolism, homeostatic mechanisms, fluid, electrolyte, and acid-base balance. This course offers students college credit through the College Credit Plus program as Eastern Gateway Community College course BIO107. Students will receive four (4) semester hours of undergraduate credit.

A fee is charged.

<b><u>Human Anatomy and Physiology 2</u></b>	<b>1 Semester</b>	<b>½ Credit</b>
<b><u>Human Anatomy and Physiology 2 CCP</u></b>	<b>1 Semester</b>	<b>1 Credit</b>

This one semester course provides a continuation of the comprehensive study of the anatomy and physiology of the human body. Topics include a review of the endocrine system, followed by an in-depth study of the cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems as well as metabolism, nutrition, pathophysiology, acid-base balance, and fluid and electrolyte balance. Lab experience is included. This course offers students college credit through the College Credit Plus program as Eastern Gateway Community College course BIO108. Students will receive four (4) semester hours of undergraduate credit.

A fee is charged.

<b><u>Biotechnology</u></b>	<b>1 Semester</b>	<b>½ Credit</b>
Prerequisites: "C" or better in Biology or BSCS and "C" or better in Algebra 1		

Biotechnology is a course designed to give students a comprehensive introduction to scientific concepts and laboratory research techniques currently used in scientific fields. Students attain knowledge about the field of biotechnology and deeper understanding of the biological concepts used. In addition, students develop the laboratory, critical thinking, and communication skills currently used in science and industry. Furthermore, students will explore and evaluate career opportunities related to the field of biotechnology through readings, laboratory experiments, class discussions, research projects, guest speakers, and workplace visits. The objectives covered in this course are both academic and technical in nature and are presented in a progressively rigorous manner.

A fee is charged

**Physical Geology**

**1 Semester**

**½ Credit**

**Physical Geology CCP**

**1 Semester**

**1 Credit**

Prerequisites: "A" or "B" in Biology, Chemistry and Algebra

Physical Geology is a college level class focusing on the composition and structure of the earth, its rocks and minerals, surface, erosional and depositional features, and the agents that form them. It includes the study of various physical and chemical processes acting on and within the earth. Topics include plate tectonics, volcanoes, weathering and erosion, earthquakes, streams and ground-water, glaciers, shorelines, faults and geologic structures. The laboratory component includes identification of minerals and rocks, and the interpretation of topographic and geologic maps. This course offers students college credit through the College Credit Plus program as YSU course GEOL1505. Students will receive four (4) semester hours of undergraduate credit.

A fee is charged

## SOCIAL STUDIES

### INTRODUCTION

The Social Studies courses of World History, U.S. History, U.S. Government, Psychology, Economics, Introduction to Criminal Justice, History of Fine Arts and AP Art History form the knowledge and methodological base for the Social Studies curricula. The courses are aligned with the state standards. This background and information function to provide the dates, concepts, generalizations, and theories from which students learn. In order to graduate, each student must take World History (1.0), U.S. History (1.0), U.S. Government (0.5), and an additional 0.5 credit elective in Social Studies.

### College World History

All Year

1 Credit

This course is a more in depth look at the 17th century to the present. The course is still aligned with all state standards. This class is for students who are following a college preparatory program. The majority of this class is run with lecture/discussion method. The use of the multi-media center will be utilized and research projects will be expected by all students.

### Honors World History

All Year

1 Credit

Honors World History is a course that is for the motivated student who wishes to move quickly and study many parts of the 17th century to the present in a much more in depth fashion than other courses. The use of essay tests will be used very often and presentations will be expected by all students. This is a prerequisite for taking AP United States History.

### College United States History

All Year

1 Credit

College United States history is a chronological/thematic study of American History from the late 19th century to the present. This is a traditional course for college bound sophomores with instruction based on a lecture/discussion format, emphasizing critical thinking and writing skills necessary for success at the college level.

### AP United States History

All Year

1 Credit

AP United States History is a fast paced course designed to give the highly capable, motivated students an intensive study in American history. The course involves the in depth reading and analysis of a significant body of historical writing from the colonial era to the present. A lecture/discussion format is used in the class, heavily emphasizing the development of critical thinking skills. Historical analysis is done by way of thematic essays and research papers as well as oral presentations. **Students will will also be required to complete summer work and to take the AP test in the spring.**

### AP Art History

All Year

1 Credit

The curriculum for this course is modeled after introductory college level art history survey courses and reflects the College Board AP Art History Course Description. Tests and quizzes are given throughout the year using the format of the AP Art History Exam with multiple choice, short answer, and long essay questions, some of which are based on slides. Students are to approach their study in a self-disciplined manner, including preparation for class, reading, visual and written note taking, essay writing, and class participation. Students enrolled in this course are required to take the AP Art History examination in the spring, and may possibly score high enough to receive college credit for the course. This class will fulfill either a Social Studies or Fine Arts requirement.

<b><u>Advanced U.S. Government</u></b>	<b>1 Semester</b>	<b>½ Credit</b>
<b><u>Advanced U.S. Government CCP</u></b>	<b>1 Semester</b>	<b>1 Credit</b>

This study of the nature and structure of American government includes an overview of federal, state, county, and local systems. Emphasis is placed on the structure of the U.S. Constitution, the functions of the three branches of government, and the major founding documents of the American System. The course may require participation in outside classroom activities/events and classroom debates that relate to the course outcomes. This course offers students college credit through the College Credit Plus program as Eastern Gateway Community College course PSC101. Students will receive three (3) semester hours of undergraduate credit.

<b><u>College U.S. Government</u></b>	<b>1 Semester</b>	<b>½ Credit</b>
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This government class is meant for a college bound student, and is designed to take you through the workings of our American democracy; through all three levels and all three branches, including various milestones throughout the history of our government. We will also take time to examine the extension of civil rights to disenfranchised minorities, how Ohio's government aligns with the federal system, and will explore the relationship between the government and the economy. We will also examine Public Policy, how it is created and who is creating it, as well as how we, as citizens, can influence its creation. We will cover many other governmental topics including an in depth look at our Constitution and local government leaders, just to name a few. Keep in mind though, this is NOT a history class; government is alive and ever changing and you need to be aware of that if you are to become well rounded citizens. Students will also be required to complete several projects and attend two local government meetings (Village Council, Township, Board of Education.)

<b><u>Psychology</u></b>	<b>1 Semester</b>	<b>½ Credit</b>
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Psychology is primarily designed for the college bound student. It stresses a general introduction into the field of psychology. It includes basic theories of psychology: 1. Personality, 2. Learning, 3. Perception and other concepts. The course will also deal with the maturing process from infancy through old age stressing the psychological occurrences during those stages.

**Economics**

**1 Semester**

**½ Credit**

Economics features hands-on operation of a small company and occasional visits from local business leaders, in addition to the study of basic economic theory. At least one third of the class is dedicated to increasing student knowledge of personal finance. One personal finance book review is required, as well as participation in a stock market simulation. Speakers on finance, insurance, banking, taxes and entrepreneurship will be invited to class. **THIS COURSE SATISFIES THE FINANCIAL LITERACY REQUIREMENT.**

**History of Fine Arts**

**1 Semester**

**½ Credit**

Prerequisite: World History and a Junior or Senior standing.

History of Fine Arts is a multi-disciplinary course in art, music, literature, and architecture. It is presented on a continent-by-continent basis. The text will be enhanced by lectures, class discussion, the use of slides, compact discs, videos, and the reading of selected poetry and short stories. This class will fulfill **either** a Social Studies **or** a Fine Arts requirement at state universities in Ohio.

**Intro to Criminal Justice**

**1 Semester**

**½ Credit**

**Intro to Criminal Justice CCP**

**1 Semester**

**1 Credit**

A survey of the philosophy and principles of the American criminal justice system is offered. The roles of the peace officer, corrections officer, attorneys, and judicial system are presented; respective functions within the system are examined. This course offers students college credit through the College Credit Plus program as Eastern Gateway Community College course CJT101. Students will receive three (3) semester hours of undergraduate credit.

**TECHNOLOGY EDUCATION**

**Introduction to Multimedia**

**1 Semester**

**½ Credit**

Students will learn the basics of video production including video capturing, video editing, lighting, sound, camera setup, basic editing techniques, basic photography, and adding special effects to video. This class

will introduce Graphic Design and Video Production to students through the use of Adobe Photoshop, After Effects, and Premiere Pro. **All students must be available to attend and record at least one after school sporting event OR concert and perform approximately 5 hours of out-of-class production time.**

**Video Production** \_\_\_\_\_ **1 Semester** \_\_\_\_\_ **½ Credit**

Students will learn about the video production process and create various short films throughout this course. Students will learn how to use Adobe Premiere Pro, Adobe After Effects, and Garageband to edit and enhance their videos. Students will analyze a variety of films to learn how to properly tell their story and investigate different styles of filmmaking, cinematography, and technical aspects of making a video. It is recommended that students have an interest in writing original stories. **Students will be required to perform approximately 15 hours of out-of-class production time.**

**Computer Animation** \_\_\_\_\_ **1 Semester** \_\_\_\_\_ **½ Credit**

Prerequisite: Introduction to Multimedia and must be in 10th-12th grade.

Students will learn how to design original 2D characters using Adobe Illustrator and Code.org. Students will take their original drawings and animate them using Adobe Animate, Character Animator, and After Effects. This class is designed as an introduction into basic computer animation.

**App Design 1** \_\_\_\_\_ **1 Semester** \_\_\_\_\_ **½ Credit**

Prerequisite: Algebra 1

*Have you ever wondered how to create mobile computer applications like the ones you have on your phone? This course will explore the step by step process of App Design using App Lab from Code.org (Javascript).*

**No computer coding experience is necessary.**

**App Design 2** \_\_\_\_\_ **1 Semester** \_\_\_\_\_ **½ Credit**

Prerequisite: App Design 1 or Honors Computer Literacy

Students will build upon what they learned in App Design 1 / Honors Computer Literacy and create unique mobile and computer applications.

**Game Design** \_\_\_\_\_ **1 Semester** \_\_\_\_\_ **½ Credit**



Prerequisite: App Design 1 or Honors Computer Literacy

Students will build upon what they learned in App Design 1 / Honors Computer Literacy and learn to program, design, prototype and test their own projects. In addition to creating one's own unique games, students learn video game history, theory and production.

**Sports Media** **1 Semester** **½ Credit**

Would you like to explore a career in Sports Broadcasting? This course allows students to investigate all aspects of broadcasting a live internet high school sporting events including football, soccer, and basketball.

Students will learn how to properly set up equipment, create interesting and informative graphics, and interview coaches and athletes. **All students must be available to attend and record an after school sporting event. If you participate in a fall or winter sport, we will work around your schedule.**

**Honors Computer Literacy 1** **1 Semester** **½ Credit**

Prerequisite: Algebra 1 and must be in 10th-12th grade.

Honors Computer Literacy 1 is a rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers basic programming theory and developing multimedia applications on various computing platforms. **No computer programming skills are necessary to take this course.** Students participating in this course (as well as Honors Computer Literacy 2) will have the option of taking the AP Computer Science Principles exam in the Spring.

**Honors Computer Literacy 2** **1 Semester** **½ Credit**

Prerequisite: Algebra 1 and Honors Computer Literacy 1 and must be in 10th-12th grade.

Honors Computer Literacy is a semester long, rigorous entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as basic programming theory, the Internet, big data, digital privacy and security, and the societal impacts of computing. **No computer programming skills are necessary to take this course.** Students participating in this course will have the option of taking the AP Computer Science Principles exam in the Spring.