



**ELYRIA CATHOLIC  
HIGH SCHOOL**

Course Offerings Booklet  
2018 – 2019

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## **PURPOSE OF THIS BOOKLET**

The Course Offerings Booklet is designed to assist students and their families in the course selection process. The following is an overview of topics covered:

1. A brief description of each course offered at Elyria Catholic High School including:
  - Credit value
  - Prerequisites
  - Applicable fees
2. Graduation Requirements / Four Year Planning Chart
3. Course Request /Drop /Add Procedures

## **COURSE REQUEST / REGISTRATION PROCESS**

1. During the month of January, teachers will speak to their classes about the criteria for courses in their subject area. The importance of taking challenging courses is emphasized. Teachers will then sign for recommended courses. The course selections will then be returned to the Counseling Department for input into DASL.
2. At the end of January, counselors will meet with Freshmen, Sophomores, and Juniors during Religion class to instruct and assist them in choosing electives and address questions regarding core courses. After submitting their choices, students must meet with their Counselor for any future course changes.
3. In February, parents will receive a mailing including the following registration materials. These materials must be signed by both parent and student and returned to the Counseling Department by Wednesday, February 14, 2018.
  - Course Request Form
  - Teacher/Counselor Contact Form
  - Tuition Contract & registration fee.
4. Three alternate courses for chosen electives must be listed on the back of the course request form in order of preference.
5. Please use the Teacher/Counselor contact form if you have questions about recommendations.
6. Eight periods must be completed on the course request form; one may be a study hall.
7. If the student is not returning to Elyria Catholic, it should be noted on the back of the course request form. Please sign and return this form to the Counseling Department.
8. If a student intends to participate in the College Credit Plus (CCP) Program, he/she must note this on the back of the course request form in the appropriate area. Please see CCP section of this booklet (page 5) for further information.

***Prompt return of all materials by the deadline of Wednesday, February 14, 2018 expedites the scheduling process for the student.***

## **PROCEDURES FOR COURSE CHANGES, CANCELLATIONS, AND CHARGES**

### **Changes after March 28, 2018:**

1. Changes are rarely made after this date since teachers are hired and classes scheduled from prospective class numbers. Students and parents should take care in choosing and planning the right courses.
2. First semester requests for course changes can be made the first five days of school. These dates are announced in the letter that accompanies the student's schedule in August. Course changes, additions or deletions, for second semester must be made by the second day of the semester.
3. **A course change is subject to the approval of the administration. If granted, a \$55 fee must be paid and a course drop form submitted before the student's schedule will be changed.**
4. Any withdrawals after the designated deadline will result in a grade of "W/F" for the remainder of the semester for a semester class and for the year for a year-long class. The grade will be calculated as an "F" in the grade point average.
5. Changes from any course requirement will be addressed by the administration.

***The school reserves the right to cancel courses for which there is insufficient enrollment or for which there is no teacher available. The school also reserves the right to place students and to set prerequisites for courses.***



## **COLLEGE CREDIT PLUS**

### College Credit Plus (CCP)

Students at Elyria Catholic may not replace core courses with classes taken at Lorain County Community College.

- CCP must be used for both high school and college credit.
- Students must meet criteria for acceptance at the college to which they apply. They must be at the appropriate level for ACCUPLACER, ACT or SAT.
- Remedial courses are not allowed.
- Credit in escrow: students may take courses during summer term; families are responsible for the tuition.
- Students and families must have attended the CCP informational meeting.
- Courses are "weighted" on high school transcript.

## **FLEXIBLE CREDIT POLICY**

Flexible credit is a program implemented by the State of Ohio as a way for students to earn credit through alternative means. Students must have the permission of the Principal and submit a Flexible Credit application by the required deadline. These credits will be listed on the students transcript in addition to the required 24 credits earned at Elyria Catholic High School but will not be calculated into the student's grade point average. Application deadline is April 1 for first semester courses and October 30 for second semester courses.

## **ONLINE LEARNING POLICY**

Online classes may be offered in order to expand course offerings, provide alternatives when minimum enrollments are not met, or when scheduling conflicts occur. Online coursework is available through outside programs. Students must receive approval from their counselor and the Principal prior to scheduling an online course.

## **NCAA INFORMATION**

The criteria for playing a Division I or Division II sport has become more challenging. Both divisions require a minimum of 16 Core Courses as follows:

### **Division I**

- 4 years of English
- 3 years of Math (Algebra I or higher)
- 2 years of Natural/Physical Science (1 year of lab)
- 1 year of additional English, Math or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional courses (from any subject area above as well as World Languages.)
- 10 core courses required before beginning of senior year; seven must be in areas of English, Math or Science.

### **Division II**

- 3 years of English
- 2 years of Math (Algebra I or higher)
- 2 years of Natural/Physical Science (1 year of lab)
- 3 years of additional English, Math or Natural/ Physical Science
- 2 years of Social Science
- 4 years of additional courses (from any subject area above as well as World Languages.)

### **GPA and ACT/SAT**

Division 1:

- GPA in core courses is 2.3
- Must earn the ACT/SAT score matching the core course GPA on the Division I sliding scale

Division 2:

- GPA before August 1, 2018 in core courses is a 2.0
- GPA after August 1, 2018 in core courses is 2.2
- Before August 1, 2018: must earn a SAT combined score of 820 or an ACT sum of 68
- After August 1, 2018: must earn the SAT or ACT that matches the core course GPA on the Division II sliding scale

We strongly recommend student athletes to:

- Take two years of a foreign language
- Meet with his/her Counselor

For further information, go to [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

Or call: 317-/223-0700 or 877-622-2321

## **COUNSELING DEPARTMENT**

Our Counseling Department supports the mission of Elyria Catholic High School. It is created upon the principles of the American School Counselor Association (ASCA) national model of nine standards grouped within three domains: the academic, college/career and personal/social. To best support our students, we meet with them individually, in the classroom setting, and in small groups. We work as a team with administration, teachers, parents and community resources to advocate for students' best interests.

### **GRADE 9**

A counseling presentation is provided to students during the Freshman Orientation. Counselors explain the importance of taking courses of rigor and present an overview of the career exploration/college search process. Also, counselors discuss the social/emotional/behavioral challenges of adolescence and the support system provided by the EC Community. Counselors also use Naviance to explore students' strengths and how that could help to explore potential careers.

### **GRADE 10**

Counselors administer a career exploration questionnaire to sophomores through Naviance. After completing the 180 question assessment, the students are given their Holland Code and asked to explore careers that are related to their personality. A Safe Dating curriculum is presented in Health classes.

### **GRADE 11**

Juniors take the PSAT/MNSQT in October. Counselors explain the results in Religion class. Also, juniors start to research colleges – a minimum of five-through Naviance. They will add the colleges to their *colleges I'm thinking about* list in Naviance. Parents are encouraged to view this list and start the conversation regarding college visits. During second semester all juniors meet with their counselor for an individualized college search session. Parents are welcome to attend. Parents are encouraged to attend a presentation on the college search in March. Please check the Elyria Catholic website for further information.

### **GRADE 12**

Seniors receive instructions during Religion class in regard to the procedure for applying to colleges: applications, transcript request process, letters of recommendation, scholarships, and financial aid. Counselors meet with students frequently throughout the fall to assist in this process. Parent meetings are held as a group and individually to discuss the college application and financial aid process.



## **STUDENT SUPPORT SERVICES**

The Student Support Services Department offers alternatives to students who are unable to reach their potential without accommodations in the traditional classroom setting. Program participation is based on either a multi-factored evaluation as required by the state of Ohio or other certified documentation.

Inclusion general education classes offer support in select subjects to students needing additional assistance with the curriculum. Small-group classes are offered in select English and Math subjects to students who are unable to meet the curriculum in a general education setting. Supported study halls are available to students who qualify.

**COURSE OFFERINGS SUMMARY  
2018 - 2019**

+ = ½ CREDIT   • = ¼ CREDIT   \* = ONLINE COURSE   (W) = WEIGHTED COURSE

<b>RELIGION</b>	<b>FINE &amp; PERFORMING ARTS</b>	<b>SOCIAL STUDIES</b>
Religion 9	<b>CONTINUED</b>	+ Modern World History
Religion 10	<b>VISUAL ARTS</b>	+ Honors Modern World History (W)
Religion 11	Studio Art/Graphic Design I,II,III,IV	United States History
Religion 12	+ Drawing/Printmaking	AP United States History (W)
	+ Drawing/Painting I	American Government
<b>CONSUMER SCIENCES</b>	+ Advanced Painting II	AP US Government & Politics (W)
<b>BUSINESS</b>	+ Drawing Ceramics I	+ Ancient World History
+ Intro to Business & Personal Finance	+ Advanced Ceramics/Sculpture II	+ Early American History
+ Marketing	+ Applied Arts	+ Introduction to Psychology
+ Investing in the Stock Market	+ Intro to Photoshop	+ Introduction to Sociology
+ Accounting I	<b>HEALTH/PHYSICAL EDUCATION</b>	+ Women's Studies
+ Business & Entrepreneurship	+ Health	+ AP Psychology (W)
	+ Physical Education	+ CCP Ohio History (W)
<b>TECHNOLOGY</b>	+ Lifetime Personal Fitness	+ CCP Civilization I (W)
+ Computer Science/Information Technology	+ Lifetime Recreational Activities	
AP Computer Science Principles	<b>MATHEMATICS</b>	<b>WORLD LANGUAGE</b>
	Algebra I	Spanish I
<b>ENGLISH</b>	Honors Geometry (W)	Spanish II
English 9	Honors Algebra (W)	Spanish II
Honors English 9 (W)	Geometry	Spanish IV (W)
English 10	Honors Geometry (W)	AP Spanish Language (W)
Honors English 10 (W)	Algebra IIA	French I
English 11	Algebra IIB	French II
Honors English 11 (W)	Algebra II	French III
English 12	Honors Algebra II (W)	French IV (W)
AP English Literature (W)	+ Probability & Statistics	AP French Language (W)
CCP College Composition I (W)	+ Introduction to College Algebra	Russian
CCP College Composition II (W)	CCP Advanced Mathematics (W)	
	Pre-Calculus (W)	
+ Creative Writing	AP Calculus AB (W)	
Journalism & Yearbook		
+ Introduction to Public Speaking	<b>SCIENCE</b>	<b>MULTIDISCIPLINARY</b>
	Biology	+ ACT Prep
<b>FINE &amp; PERFORMING ARTS</b>	Honors Biology (W)	Broadcasting
<b>DRAMATIC ARTS</b>	Physical Science	+ Foods & Nutrition
+ Theatre I	Chemistry	+ Introduction to Engineering
+ Theatre II	Honors Chemistry (W)	
+ Film Appreciation	Environmental Science	
+ Film Production	Forensic Science	
<b>MUSICAL ARTS</b>	Physics	
+ Concert Choir	Honors Physics (W)	
+ Music Production	Anatomy & Physiology	
+ Piano I	AP Biology (W)	
+ Piano II	AP Chemistry (W)	
+ Marching Band	AP Physics (W)	
+ Concert Band		

AP, CCP, and Honors courses are weighted an additional 1.0 quality point.

## FOUR YEAR EDUCATION PLAN

### FRESHMAN YEAR

<u>Courses</u>	<u>Credits</u>
1. Religion	1
2. English	1
3. Mathematics	1
4. Science	1
5. Modern World History	0.5
6. Physical Education	.25
** (or use PE waiver)	See Page 23 for Physical Education Waiver Guidelines
7. Intro to Business	0.5
8. _____	_____
<b>CREDITS FRESHMAN YR.</b>	_____

### SOPHOMORE YEAR

<u>Courses</u>	<u>Credits</u>
1. Religion	1
2. English	1
3. Mathematics	1
4. Science	1
5. United States History	1
6. Lifetime Personal Fitness	0.25
** (or use PE waiver)	See Page 26 for Physical Education Waiver Guidelines
7. Health	0.5
8. _____	_____
9. _____	_____
<b>CREDITS SOPHOMORE YR.</b>	_____
<b>TOTAL CREDITS</b>	_____

See Page 4 for graduation and college admissions requirements

**JUNIOR YEAR**

<b><u>Courses</u></b>	<b><u>Credits</u></b>
1. Religion	1
2. English	1
3. Mathematics	1
4. Science	1
5. American Government	1
6. Fine Arts	0.5
7. ACT Prep	0.5
8. _____	_____
9. _____	_____
<b>CREDITS JUNIOR YEAR</b>	_____
<b>TOTAL CREDITS</b>	_____

**SENIOR YEAR**

<b><u>Courses</u></b>	<b><u>Credits</u></b>
1. Religion	1
2. English	1
3. Mathematics	1
4. Social Studies elective	0.5
5. _____	_____
6. _____	_____
7. _____	_____
8. _____	_____
9. _____	_____
<b>CREDITS SENIOR YEAR</b>	_____
<b>TOTAL CREDITS</b>	_____

**TOTAL CREDITS FOR FOUR YEARS\_\_\_\_\_**

# RELIGION

<u>Courses</u>	<u>Grades</u>
Religion 9	9
Religion 10	10
Religion 11	11
Religion 12	12

## **GRADE 9 “The Bible: The Living Word of God” / “Jesus Christ: God’s Love Made Visible”**

**Code: #711**

**Credit: 1**

**Length: Year**

Required of and limited to all ninth grade students, *The Bible* provides an introduction to Sacred Scriptures and to the unfolding of salvation history, with particular focus on Jesus Christ as the fulfillment of salvation history. Revelation, both divine and natural, is explored, as are inspiration, interpretation, and exegesis. This course guides the students in coming to know the people of salvation history and the history of salvation as revealed in the New Testament. The students also learn about the role of the scriptures in the life of faith for the individual as well as for the life of the Church.

In *Jesus Christ* the students encounter Jesus Christ, the second person of the Trinity, the Incarnation, Jesus, salvation, and discipleship as a response to God’s love.

## **GRADE 10 “The Paschal Mystery: Christ’s Mission of Salvation” / “The Church: Christ in the World”**

**Code: #721**

**Credit: 1**

**Length: Year**

Required of and limited to all tenth grade students, *The Paschal Mystery* explores the goodness of creation, Original Sin, and the promise of a messiah as a starting point of this course, which explores our salvation through the Paschal Mystery. The students encounter the mystery and glory of the suffering, death, resurrection, and ascension of Jesus Christ. The course also explores how the Paschal Mystery influences our daily lives, our prayer, and our participation in the life of the Church.

*The Church* guides the students in exploring and understanding the Catholic Church, as well as its origin, structure, and mission. Additionally, the course addresses the roles of the hierarchy, those in religious life, and the laity in supporting the mission of the Church. Particular attention is paid to the global presence of the church as a light to all people.

## **GRADE 11 “The Sacraments: Encounters with Christ” / “Christian Morality”**

**Code: #731**

**Credit: 1**

**Length: Year**

Required of and limited to all eleventh grade students, *Sacraments* is an in-depth study of the celebration of God’s grace through the seven sacraments. Students will discover that the Catholic Sacramental theology involves more than just a general understanding of the seven official sacraments. They will demonstrate an understanding of concepts underlying the Catholic sacramental vision; sacramental awareness, grace, symbols, rituals, and prayer. Students will make the necessary connections in understanding the true value of sacramental living.

*Christian Morality* centers on the concepts learned in Sacramental Living. Topics include a basic understanding of morality, conscience, law, ethical teachings of Jesus and the Church, sexuality, respect for life and the dignity of the human person. The process of moral decision-making is applied to real life experiences in the light of Christian moral principles. The students learn what it means to live as a disciple of Christ and how the Church strengthens this discipleship.

**GRADE 12 “Current Church Topics and Death & Dying” / “Christian Life Choices” / “Social Justice” & “Comparative Religions” (each subject is one quarter in length)**

**Code: #741**

**Credit: 1**

**Length: Year**

Required of and limited to twelfth grade students, *Current Church Topics* will examine relevant events in our society as they relate to living our faith. Classroom work entails opportunities for written and shared reflections on the Christian experience in the 21st Century. Students will research and examine political, social, economic, and cultural structures in a seminar-like format. Students should expect a good deal of independent studying.

The students will also address Catholic doctrine on death and dying. In addition, key aspects of developing an adult spirituality will be discussed.

Students will examine *Christian Life Choices*. In this morality course, students investigate the growth process of human identity and its impact on decision-making. Students will analyze the theory and practice of love, communication, dating, and intimacy. They consider the married, single, religious, and ordained life styles in the light of Christian revelation and Church teachings.

*Social Justice* examines the Christian call for peace and justice. Students are given the opportunity to look at the Biblical foundations for the call to action for justice. Particular emphasis is placed on contemporary moral issues and the call to address these problems in a peaceful, non-violent way. Issues are studied from a gospel perspective of the vocational call to transform oneself and society.

*Comparative Religions* is an introductory survey of religious traditions focusing on Christianity, Fundamentalism, Islam, Judaism, and Hinduism.

# **CONSUMER SCIENCES**

<u>Courses</u>	<u>Grades</u>	<u>Prerequisites</u>
<b><u>BUSINESS</u></b>		
Introduction to Business & Personal Finance	9, 10, 11, 12	
Marketing	9, 10, 11, 12	
Investing in the Stock Market	11, 12	
Accounting I	10, 11, 12	
Business and Entrepreneurship	11, 12	
CCP Intro to Business Administration* (W)	10, 11, 12	Meet LCCC Criteria
<b><u>TECHNOLOGY</u></b>		
Computer Science/Information Technology	9, 10, 11, 12	
AP Consumer Science Principles	10, 11, 12	Successful completion of Algebra I

## **BUSINESS**

### **INTRODUCTION TO BUSINESS AND PERSONAL FINANCE**

**Code: #501**

**Credit: 0.5**

**Length: Semester**

Using the Dave Ramsey philosophy of empowering students to make sound financial decisions for life the Introduction to Business/Personal Finance is a key element of every students' education. Eventually everyone has to control his or her own personal finances either by saving, spending, budgeting, or investing and so this course introduces the following topics: saving, spending, budgeting, debt, life after high school, consumer awareness, bargain shopping, investing and retirement, insurance, money and relationships, careers and taxes, and giving.

### **MARKETING**

**Code: #502**

**Credit: 0.5**

**Length: Semester**

Marketing is one of the largest and most exciting career areas in business today. Marketing is also increasingly important to many non-business organizations as well. Topics include basic functions of marketing and management with an emphasis on advertising, public relations, and promotions. This class takes a realistic look at the whole marketing process.

### **INVESTING IN THE STOCK MARKET**

**Code: #515**

**Credit: 0.5**

**Length: Semester**

This course will develop the student's knowledge of the stock market and introduce the students to the stock selection process. This course challenges the student to read the stock market table, select stocks, read an annual report, and evaluate stocks. Mutual funds, bonds, stocks and other types of investments are covered. This class takes a realistic look at the whole investing process. Students will be involved in a virtual stock market where they will be able to make decisions on buying and selling stocks and mutual funds.

## **ACCOUNTING I**

**Code: #541**

**Credit: 0.5**

**Length: Semester**

Accounting I addresses the Accounting Cycle: nature of accounts and techniques of recording, classifying, and summary decisions and provides a procedure from the handling of debits and credits to the completion of business statements and reports. It provides a background for business principles and practices and furnishes a foundation for more advanced study as well as an introduction to automated accounting concepts and principles.

## **BUSINESS AND ENTREPRENEURSHIP**

**Code: #510**

**Credit: 0.5**

**Length: Semester**

Students will learn all that is involved with starting your own business. Students will study famous entrepreneurs throughout history. Students will understand the process of determining a business opportunity, preparing a business plan, determining a market using research, and developing a plan to organize and promote the business. The students will have hands on experience with an actual product that they come up with.

## **COLLEGE CREDIT PLUS INTRO TO BUSINESS ADMINISTRATION (Online Course)**

**Code: #CCPBADM155**

**Credit: 1**

**Length: Semester**

**Prerequisite: Meet LCCC Criteria**

This course offers an introduction to the nature of the business environment with an exploration of the various business functions.

## **TECHNOLOGY**

### **COMPUTER SCIENCE/INFORMATION TECHNOLOGY**

**Code: #531**

**Credit: 0.5**

**Length: Semester**

This course focuses on practical applications of computers and familiarizes the student with fundamental terminology and concepts of information technology, as well as major production applications including word processing, spreadsheets, data base management systems, and may include graphics, data communications and desktop publishing, media technology, and gaming.

### **AP CONSUMER SCIENCE PRINCIPLES**

**Code: #532**

**Credit: 1**

**Length: Year**

This course is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop effective communication and collaboration skills by working individually and collaboratively to solve problems, and will discuss and write about the impacts these solutions could have on their community, society, and the world.



## ENGLISH

<u>Courses</u>	<u>Grades</u>	<u>Prerequisites</u>
English 9/Introduction to Public Speaking	9	None
Honors English 9 (W)	9	Standardized test, Elementary School Recommendation, Department Recommendation
English 10	10	English 9
Honors English 10 (W)	10	Honors 9 or Department Recommendation
English 11	11	English 10
Honors English 11 (W)	11	Honors 10 or Department Recommendation
English 12	12	English 11
AP English Literature (W)	12	Honors 11 or Department Recommendation
CCP College Composition I (W)	11, 12	Meet LCCC Criteria
CCP College Composition II (W)	11, 12	Meet LCCC Criteria
 <u>Electives</u>		
Creative Writing	9, 10, 11, 12	
Journalism & Yearbook	11, 12	“B” in English and Department Recommendation
Introduction to Public Speaking	10, 11, 12	

**SUMMER READING:** *The English Department recognizes the importance of encouraging students to become lifetime readers and writers. Therefore, all students will be expected to participate in a summer reading program organized through the school. Honors English students will be required to read supplementals also. All works will be discussed and assessed in the various English classes at the start of the school year.*

**HONORS ENGLISH:** The Honors English Program is designed for the highly motivated student with advanced language skills and strong study skills. It is a four-year sequential commitment which culminates in Advanced Placement English 12. The student may be invited to participate based on high school placement exam grades, standardized test scores, a writing sample and departmental recommendation. Due to the nature of the coursework, students with a final grade of C or better will receive an extra 1 quality point for an Honors course.

## **ENGLISH 9: EXPLORING GENRES AND COMPOSITION WITH INTRODUCTION TO PUBLIC SPEAKING**

**Code: #011**

**Credit: 1**

**Length: Year**

This introductory course prepares students for the rigors of writing, reading, speaking and listening instruction at Elyria Catholic High School, concentrating on basic skills in composition, grammar, literature, and vocabulary. Instruction in composition includes formulating a thesis statement and writing the five-paragraph essay. An introduction to research methods and MLA format is included. The proper use of grammar and vocabulary, as components of writing instruction, is emphasized. Students experience an in-depth study of all literary genres with an emphasis on identifying main ideas and understanding narrative elements. Contextual examination of these elements allows students to expand their critical thinking skills and improve their study skills.

## **HONORS ENGLISH 9: SOCIAL JUSTICE IN CLASSICAL LITERATURE**

**Code: #010**

**Credit: 1**

**Length: Year**

**Prerequisite: Standardized Test, HSAT,  
Elementary Recommendation,  
Department Recommendation**

Honors English 9 is an advanced level course designed to refine existing skills in composition, grammar, literature, and vocabulary. Mastery of the five-paragraph essay is the focus of writing instruction, with emphasis on citing direct references and smoothly introducing and explaining quotes within paragraphs. Introduction to the research process using MLA format is included. The analysis of selected works from various nations and cultures builds upon the understanding of theme and conflict, encourages critical thinking skills - such as inference and application - and promotes a deeper awareness and understanding of our richly diverse global community. Speaking and listening skills will continue to be developed through public speaking, presentations, technology exchange, and classroom collaboration.

## **ENGLISH 10: SOCIAL JUSTICE AND MULTICULTURAL LITERATURE**

**Code: #021**

**Credit: 1**

**Length: Year**

In this year-long course, students continue to practice paragraph writing, thesis composition, and essay development with emphasis on properly citing direct quotes from sources. The analysis of selected works from various nations and cultures continues to build upon the understanding of theme and conflict and encourages advanced critical thinking skills - such as inference and application - to provide awareness and a deeper understanding of our richly diverse global community. Reading, vocabulary, and spelling skills are taken from selections in major genres: short story, novel, essay, poetry, and drama, as well as some nonfiction selections.

## **HONORS ENGLISH 10: AMERICAN LITERATURE**

**Code: #020**

**Credit: 1**

**Length: Year**

**Prerequisite: Honors English 9  
Department Recommendation**

Honors English 10 explores the literature of the United States from Native American works to the 21st Century Age of Technology, presenting the literature both chronologically and thematically. Emphasis in the class will be on reading, writing, and speaking about the literary genres of fiction, nonfiction, novel, short story, essay, drama, poetry, and film. Vocabulary development and preparation for standardized testing will continue to be developed.

## **ENGLISH 11: AMERICAN LITERATURE: PURITANS TO POST MODERN ERA**

**Code: #031**

**Credit: 1**

**Length: Year**

The study of American Literature, from the Puritans to the present, is the inspiration for this course. Selected fiction and nonfiction works in the forms of letters, novels, and dramas are explored to gain understanding of our country's historical influence on its literature, especially as it applies to race, class, and gender. US Seminal documents will be analyzed and interpreted. Writing assignments are given in a variety of modes in relation to the literature read, including a personal narrative, and a persuasive research paper. Standardized test preparation is conducted by way of practicing and improving test-taking skills.

## **HONORS ENGLISH 11: BRITISH WORLD LITERATURE**

**Code: #030**

**Credit: 1**

**Length: Year**

**Prerequisite: Honors English 10 or  
Department Recommendation**

This year-long course explores the universal themes found in the classic literary masterpieces of Great Britain and Europe. The student will continue to develop reading skills, writing skills, and a sensitivity to stylistic sophistication of mature works of literature and connected criticisms. Composition work includes writing expository and persuasive essays, literary analyses, and the personal narrative. Research papers and documentation formats are introduced. Discussion skills are refined; panel presentations are introduced. Vocabulary development is continued.

## **ENGLISH 12: BRITISH LITERATURE AND COLLEGE/CAREER READINESS**

### **WRITING**

**Code: #041**

**Credit: 1**

**Length: Year**

This course promotes student application of independent written and oral communication skills and critical thinking strategies learned over the first three years of the English program. An in-depth study of British literature from the Anglo-Saxon period to present day authors, selected modern and classic masterpieces, and relevant nonfiction selections are the literary concentration of the course. The course includes segments emphasizing the development of a personal writing style, application of the research process to writing, and grammar as needed to improve writing, vocabulary, speaking, and essay writing skills. College and Career Readiness Skills will be emphasized in this course.

## **AP ENGLISH LITERATURE**

**Code: #040**

**Credit: 1**

**Length: Year**

**Prerequisite: Honors English 11 or  
Department Recommendation**

This course aims to round out the student's background of solid literary training in preparation for the advanced placement test at the end of the senior year. Reading mature literary works and writing analytical and creative college-level papers are a part of the course. Author's stylistic elements will be closely examined as related to theme and purpose of work. Students also develop advanced discussion skills, including impromptu and formal panel.

## **CCP COLLEGE COMPOSITION I**

**Code #CCPENGL161**

**Credit: 1**

**Length: Semester**

**Prerequisite: Meet LCCC Criteria, CCP  
College Composition I, and  
Department Recommendation**

This course is an introduction to fundamental college-level skills in academic reading and writing. Summary, analysis, synthesis and research documentation are emphasized, along with critical thinking and collaborative learning.

## **CCP COLLEGE COMPOSITION II**

**Code #CCPENGL162**

**Length: Semester**

**Credit: 1**

**Prerequisite: Meet LCCC Criteria and  
Department Recommendation**

This writing course is a continuing of the practice of skills introduced in CCP College Composition I, as well as strategies of argumentation and secondary research leading to a research paper.

## **CREATIVE WRITING**

**Code: #033**

**Length: Semester**

**Credit: 0.5**

The goal of this semester-long course is to provide individualized instruction which allows students to sharpen their writing skills. Students will complete a portfolio of written work through independent writing, group work, and writing conferences with the instructor. Not only will students read the work of published writers but also the written work of their peers in various stages of drafting with the opportunity to provide meaningful and constructive feedback.

## **JOURNALISM AND YEARBOOK**

**Code: #075**

**Length: Year**

**Credit: 1**

**Prerequisites: B in English and  
Department Recommendation**

This elective develops fundamental journalism skills in writing, graphics, and layout. The students learn how to write news stories, profiles, and captions and develop basic photography and videography skills. They also utilize higher-level graphic editing software: Adobe Premiere Pro, Adobe Photoshop, and Yearbook Avenue. Gaining competency in these areas prepares them to ultimately undertake the organization, editing, and production of the Elyria Catholic yearbook, *ECHO*. Students are required to meet regular deadlines, promote the yearbook, and pitch/sell advertisements to fund it. They are expected to take a proactive role in accomplishing these goals. From these experiences, students develop important transferable skills that are applicable in college and future careers.

## **INTRODUCTION TO PUBLIC SPEAKING**

**Code: #034**

**Length: Semester**

**Credit: 0.5**

This course is required for all freshmen, but may be an elective for grades 10, 11, 12. It will provide students with the basic skills needed for articulate communication in a variety of public speaking forums: commemorative, informative, demonstrative, impromptu, and persuasive. Course is designed to build confidence in orally presenting. Students will learn the essential parts of formal and informal speech and will be expected to actively participate in delivering speeches.

## FINE AND PERFORMING ARTS

<u>Courses</u>	<u>Grades</u>	<u>Prerequisites</u>
<b><u>DRAMATIC ARTS</u></b>		
Theatre I	9, 10, 11, 12	
Theatre II	10, 11, 12	Theatre I
Film Appreciation	10, 11, 12	
Film Production	10, 11, 12	Film Appreciation
<b><u>MUSICAL ARTS</u></b>		
Concert Choir	9, 10, 11, 12	
Music Production	9, 10, 11, 12	
Piano I	9, 10, 11, 12	
Piano II	9, 10, 11, 12	Piano I or Teacher Recommendation
Marching Band	9, 10, 11, 12	
Concert Band	9, 10, 11, 12	
<b><u>VISUAL ARTS</u></b>		
Studio Art	9, 10, 11, 12	Portfolio and Teacher Recommendation
Drawing/Printmaking	9, 10, 11, 12	
Drawing/Painting I	9, 10, 11, 12	
Advanced Painting II	9, 10, 11, 12	Drawing/Painting I
Drawing/ Ceramics I	9, 10, 11, 12	
Advanced Ceramics/Sculpture II	11, 12	Drawing/Ceramics I
Applied Arts	11, 12	
Intro to Photoshop/Illustrator I	11, 12	

### **DRAMATIC ARTS**

#### **THEATRE I**

**Code: #818B**

**Credit: 0.5**

**Length: Semester**

Theatre I will provide students a basis for multiple methods of communications in preparing them for theatre production. Students will learn the theory of communication along with verbal and non-verbal elements when speaking. Students will study the verbal and non-verbal theatre conventions through acting projects. They will also be introduced to composition in set design, production jobs in theatre, and directing.

#### **THEATRE II**

**Code: #828B**

**Credit: 0.5**

**Length: Semester**

**Prerequisite: Theater I**

Theatre II students will have time for appreciation of theatre knowledge and skills acquired in Theatre I. Students will increase their knowledge of technical theatre through projects dealing with costumes, make-up, lighting, and design. They will also hone skills acquired in Theatre I through acting and directing scenes. Students will participate in on-stage and/or off-stage crews of the school play.

## **FILM APPRECIATION**

**Code: #049**

**Credit: 0.5**

**Length: Semester**

Students will examine and study notable works of film throughout the history of motion pictures. They will be required to note the important features and techniques used in creating these works of art. Students will become familiar with the different aspects of film vocabulary and conventions to better understand the art. Assessments will include presentations, research papers and essay analysis.

## **FILM PRODUCTION**

**Code: #046**

**Credit: 0.5**

**Length: Semester**

**Prerequisite: Film Appreciation**

This course will familiarize the students with the basic aspects of film production. Students will learn how to create film through the process of screen writing, producing, designing, casting, directing and editing. As a final assessment, students will write, produce and direct a short film project.

## **MUSICAL ARTS**

### **CONCERT CHOIR**

**Code: #876**

**Credit: 0.5**

**Length: Semester**

Concert Choir is designed to help students develop their vocal technique, regardless of previous level of experience. No previous experience singing in a choir is necessary to join the class. A variety of music styles will be learned and performed by the students at the Christmas and Spring concerts. Students will sing as a member of an ensemble, but will have the opportunity to sing solos or in small groups based on student interest. Students will also have the opportunity to participate in the Lorain County and/or O.M.E.A. Solo and Ensemble Contests as a soloist or member of a small ensemble and the Great Lakes Conference Honors Choir.

### **MUSIC PRODUCTION**

**Code: #862**

**Credit: 0.5**

**Length: Semester**

Music production is a project based class, allowing students to explore their own music interests as they relate to creating music. No previous knowledge of musical performance, composition, or music reading skills are necessary for this class. Students will be introduced to basic music recording techniques, create music using GarageBand, explore many musical styles, and create music based on their individual interests. Students with instrumental experience will have the opportunity to incorporate their own playing into their creations, and may even form groups. Students interested in songwriting will also have a chance to compose their own lyrics for their projects. All projects completed by each student will be combined at the end of the semester, creating an album of their work.

### **PIANO I**

**Code: #899**

**Credit: 0.5**

**Length:**

Piano 1 is open to all students at Elyria Catholic High School who are interested in learning how to play the piano. This class will start at a beginner's level and walk each student through reading music and basic piano technique. Piano 1 is a semester course and is limited to 10 students per class.

## **PIANO II**

**Code: #900**

**Length:**

**Credit: 0.5**

**Prerequisite: Piano I or  
Teacher Recommendation**

Piano II is a continuation of the Piano I class, focusing on developing more technical proficiency, learning intermediate level music, and developing practice strategies based on the individual needs of each student. Students will have opportunities for performances outside of the class. Piano II is a semester course and is limited to 10 students per class.

## **MARCHING BAND**

**Code: #894**

**Length: Semester**

**Credit: 0.5**

The Panther Marching Band of Spirit performs a variety of music at both school and community-related events. In addition, the Marching Band performs at football games, basketball games, the Christmas Concert, festivals, parades, and other special events. Marching Band meets daily during the school day and after school every Tuesday, Thursday, and Friday during football season. Students registering for Marching Band will be required to participate in camp held in early August. Students will be responsible for the purchase of Marching Band shoes, t shirt and a band bag (approx. \$50).

## **CONCERT BAND**

**Code: #892**

**Length: Semester**

**Credit: 0.5**

Students in Concert Band come from a variety of skill levels. Concert Band performs a wide variety of music including show tunes, marches, traditional concert band repertoire and today's original works. This group performs for school events, including the winter and spring concerts, basketball games, and Commencement. A limited amount of rehearsal and performance time outside the school day is required. This course meets daily during the school day. Students also have the opportunity to attend the Lorain County and/or O.M.E.A. Solo and Ensemble Contest as a soloist or member of a small ensemble.

## **VISUAL ARTS**

### **STUDIO ART I, II, III, IV \***

**Code: #800**

**Length: Year**

**Credit: 1**

**Prerequisite: Portfolio and Art Teacher  
Recommendation**

**PREREQUISITE: A PORTFOLIO DEMONSTRATING SKILLS AND ABILITIES IN ART MUST BE SUBMITTED AND APPROVED THROUGH THE ART DEPARTMENT. GRADED SUMMER WORK REQUIRED.** Studio Art is designed for students that intend to pursue a profession in the Arts or/and are serious about the Arts, objective is to create a creative environment with higher and lower grade levels where a professional portfolio can be established that incorporates all aspects of the Visual Fine Arts (DRAWING, PAINTING, PRINTING, CERAMICS, GRAPHIC DESIGN) and Art history. Individual instruction will be established in Quality, Observation and Growth. Extended studio time after school is available.

## **DRAWING/PRINTMAKING \***

**Code: #817**

**Credit: 0.5**

**Length: Semester**

Drawing is the fundamental instrument of expression and provides a language that is understood universally. Students are introduced to various techniques and approaches applied to drawings: contour line, negative-positive relationships, perspective, value study, surface textures, grid enlargements, and human portraits. A variety of media will be experimented with such as pencil, ink, pastel, charcoal and marker. Mono printing, Linoleum printing and emulsion based printing will be investigated. Subject matter includes still life, figures, landscapes, portraiture, and non-objective art. Art journal is required to be kept with preliminary sketches, practice of various techniques, Artists and Art History (Modern to present).

## **DRAWING/PAINTING I \***

**Code: #816**

**Credit: 0.5**

**Length: Semester**

Painting is designed for the student who wants to explore a variety of paint media. Students are introduced to information and techniques that enable them to achieve more satisfying means of self-expression and better appreciation of the expression of others. Students will study technique using oils, acrylics, and watercolors. A variety of canvas sizes and brushes will need to be purchased. Art journal is required to be kept with preliminarily sketches, practice of various techniques, Artists and Western Art History from 1400 (Renaissance, Mannerism, Baroque, Romantic, Impressionism, Post Impressionism).

## **ADVANCED PAINTING II\***

**Code: #816B**

**Credit: 0.5**

**Length: Semester**

**Prerequisite: Drawing/Painting I**

This course is designed to develop confidence painting. Students will examine historical and contemporary trends. They will paint from live models and photo sources. Digital manipulations will be performed. Fundamental techniques for stretching canvas, basic ground preparation, different mediums and layering will be taught. Representational painting will be the primary focus but experiences in abstract and collage mixed media will also be encouraged. Art history will accompany projects and artist statements.

## **DRAWING/CERAMICS I\***

**Code: #815**

**Credit: 0.5**

**Length: Semester**

Ceramics gives the student an opportunity to learn the fundamentals of clay. The student explores the possibilities and limitations of the clay body through the introduction of hand building techniques and the use of the potter's wheel. Hand building techniques include pinch, coil, slab, and sculptural build-up methods. Different glazing and painting techniques will be explored. Art journal is required to be kept with preliminary sketches, practice of various techniques, cultures and Art History (Prehistoric to Gothic Art).

## **ADVANCED CERAMIC/SCULPTURE II\***

**Code: #815B**

**Credit: 0.5**

**Length: Semester**

**Prerequisite: Drawing/Ceramics I**

This course will explore advanced ceramic processes such as graffito, burnishing, inlay, pit firing, throwing, and fun glaze techniques. Other three dimensional techniques and materials will be introduced. Develops and encourages creative problem solving by utilizing more advance ceramic techniques. Students will develop a confidence in their artworks and be able to share their personal aesthetics. Students will refine critical skills necessary to evaluate ceramics through critiques, discussions, and ceramic presentations. Art history will accompany projects and artists statements.



## **APPLIED ARTS \***

**Code: #810**

**Credit: 0.5**

**Length: Semester**

Applying Art to life, 2D/3D designs with emphasis on improving drawing, painting, crafting techniques, and observation skills. Students will create artworks that demonstrate understanding of materials, processes, tools, media, techniques and composition. Family traditions and cultures will be explored. Students will use the elements of art and the principles of composition and design to communicate their ideas in a variety of visual forms.

## **INTRODUCTION TO PHOTOSHOP/ILLUSTRATOR \***

**Code: #825**

**Credit: 0.5**

**Length: Semester**

Students will learn the components Photoshop and Illustrator to utilize photography and manipulation of digital images as a means of artistic expression. Topics will include cropping, resizing, color adjustment, retouching, clipping, layering, technology as a drawing tool and fonts. Class requirements: A digital camera (can be a camera phone), USB cord, and a flash drive. Class size is limited and finished prints will need to be purchased.

**\* Supplies for individual projects will be the responsibility of the student.**

*A supply list will be provided at the beginning of the year*

# HEALTH / PHYSICAL EDUCATION

<u>Courses</u>	<u>Grades</u>
Health	10
Physical Education	9, 10
Lifetime Personal Fitness	10, 11, 12
Lifetime Recreational Activities	12

## Physical Education Waiver Guidelines

Students who complete two (2) seasons of school-sponsored and approved activities (interscholastic athletics, marching band, or cheerleading) have the option of waiving the physical education requirement for graduation. Students will not receive credit for these activities; they still need all the required credits for graduation, including their elective credits. With this option however, students may take other electives in place of physical education.

## Credit Flex for Physical Education Credit

Earning credit for Physical Education is also available through the Credit Flex program. Students who are interested in this option should consult the Elyria Catholic website for additional information.

## HEALTH

**Code: #901B/G**

**Credit: 0.5**

**Length: Semester**

This course is concerned with the students acquiring the knowledge necessary to make responsible decisions regarding their total health. Incorporated into the presentation of body structure, functions, and disorders are the influences of the physical, social, mental, and spiritual aspects of total well-being.

## PHYSICAL EDUCATION

**Code: #920**

**Credit: 0.25**

**Length: Semester**

This course is concerned with the skill development of the student and implementing more advanced strategies in individual and team activities. The student who is unable to participate will actively perform a constructive function based on the extent of the limitation.

## LIFETIME PERSONAL FITNESS

**Code: #923**

**Credit: 0.25**

**Length: Semester**

The purpose of this course is to: (a) acquire knowledge of physical fitness concepts, (b) understand the influence of lifestyle on health and fitness, and (c) begin to develop an optimal level of fitness through various fitness activities such as weight training, aerobics, and self-defense. Students will evaluate their own fitness levels and discover ways to improve them. Upon completion of the class, students will have a respect for all aspects of fitness and be able to design a program to meet their own personal fitness needs.

## LIFETIME RECREATIONAL ACTIVITIES

**Code: #931**

**Credit: 0.25**

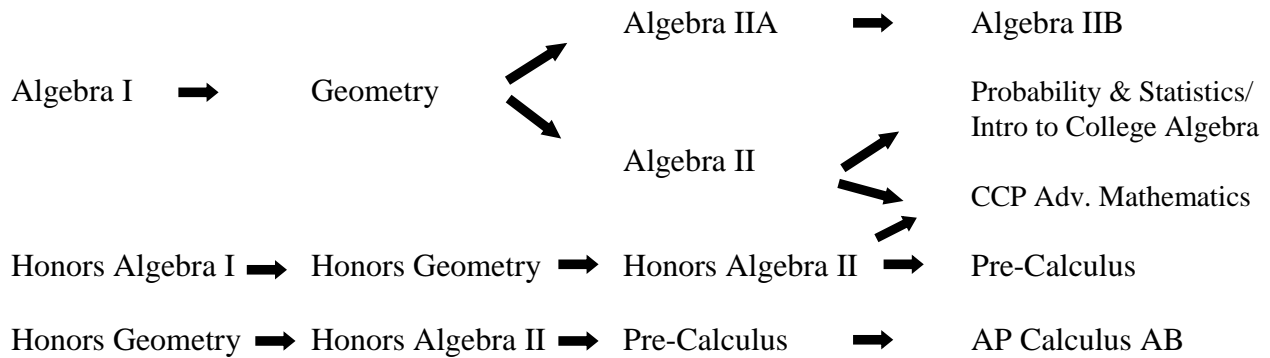
**Length: Semester**

This course provides an opportunity for upperclassmen to continue participation in lifetime sports and recreational activities. There will be an emphasis on individual and team activities, where the students will participate in the building and out in the community. **Students are responsible for participation fees in some outside activities (approximately \$5 a week).** This course may only be taken once.

# MATHEMATICS

<u>Courses</u>	<u>Grades</u>	<u>Prerequisites</u>
Algebra I	9	
Honors Algebra I (W)	9	Department Recommendation
Geometry	10	Algebra I
Honors Geometry (W)	9, 10	B- in Honors Algebra I
Algebra IIA	11	Geometry
Algebra IIB	12	Algebra IIA
Algebra II	10, 11	C+ in Geometry
Honors Algebra II (W)	10, 11	B- in Honors Geometry
Probability & Statistics	11, 12	Algebra II
Introduction to College Algebra	12	Algebra II
CCP Advanced Mathematics (W)	11, 12	B- in Algebra II <b>and</b> meet LCCC criteria
Pre-Calculus (W)	11, 12	B- in Honors Algebra II
AP Calculus AB (W)	12	B- in Pre-Calculus

### Typical Math Sequences



### Please Note:

1. Initial placement is made with reference to standardized test scores and previous math class grades.
2. Changes in the sequences of courses may be made with the approval of the Mathematics Department.  
For example, a student enrolled in Honors Algebra I as a freshman may, if approved, take both Honors Geometry and Honors Algebra II as a sophomore in order to enroll in AP Calculus as a senior.
3. The use of calculator technology is an integral part of each course. The use of calculators on tests and quizzes remains at the discretion of the instructor.

## **ALGEBRA I**

**Code: #211**

**Credit: 1**

**Length: Year**

This course encompasses such topics as first and second degree equations, graphing, linear functions, ratio and proportions, and many other topics which will help the student recognize the importance of mathematics. He/she will master algebraic skills needed to solve problems dealing with a variety of mathematical and science-related situations. Scientific calculators are required technology for all students.

## **HONORS ALGEBRA I**

**Code: #210**

**Credit: 1**

**Length: Year**

**Prerequisite: Department Recommendation**

This course emphasizes the theoretical and logical study of the structure of mathematical ideas in solving problems ranging from everyday applications to the sciences. The student will apply algebraic skills and concepts to various problem-solving situations. Material will be covered at a faster pace in order to better prepare the student for advanced mathematics and science courses. Scientific calculators are required technology for all students.

## **GEOMETRY**

**Code: #221**

**Credit: 1**

**Length: Year**

**Prerequisite: Algebra I**

This course includes both plane and solid geometry topics and poses a challenge to the student to reason deductively and to think logically. The formal proof method is taught, but greater emphasis is placed on the application of concepts so that the student can apply these concepts to the work-a-day world. Scientific calculators are required technology for all students.

## **HONORS GEOMETRY**

**Code: #220**

**Credit: 1**

**Length: Year**

**Prerequisite: B- in Honors Algebra I**

Topics in both plane geometry and solid geometry will be discussed, emphasizing deductive reasoning and logical reasoning. The student will be expected to master material at a faster pace. More emphasis will be placed on the structure of the mathematical system and on logical deduction and proof. Scientific calculators are required technology for all students.

## **ALGEBRA IIA**

**Code: #231-A**

**Credit: 1**

**Length: Year**

**Prerequisite: Geometry**

The student enrolled in this course will be encouraged to stretch his or her educational expectations through the use of real-world situations, a function approach, and implementation through hand-held technology. Topics to be covered include linear, quadratic, exponential, and square root functions. **Graphing calculators are required technology for all students. The TI-84 Plus is used for instruction.**

## **ALGEBRA IIB**

**Code: #231-B**

**Credit: 1**

**Length: Year**

**Prerequisite: Algebra IIA**

This course will introduce the student to more advanced mathematical skills and concepts. Topics to be covered include exponential and logarithmic functions, polynomial and rational expressions, systems of equations and inequalities, and complex numbers.. **Graphing calculators are required technology. The TI-84 Plus is used for instruction.**

## **ALGEBRA II**

**Code: #231**  
**Length: Year**

**Credit: 1**  
**Prerequisite: C+ in Geometry**

This course is necessary for the development of more advanced mathematical skills and concepts. Effort will be made to deepen the student's understanding of the structure of the real and complex number systems. Topics covered include linear, quadratic, exponential, and logarithmic functions, polynomial and rational expressions, systems of equations and inequalities, complex numbers, and problem-solving. **Graphing calculators are required technology. The TI-84 Plus is used for instruction.**

## **HONORS ALGEBRA II**

**Code: #230**  
**Length: Year**

**Credit: 1**  
**Prerequisite: B– in Honors Geometry**

This course will emphasize the logical and analytical method in mathematics. Every effort will be made to develop the student's mathematical maturity and problem-solving techniques. Some of the topics covered include functions, complex numbers, exponential and logarithmic functions, and trigonometric functions. **Graphing calculators are required technology. The TI-84 Plus is used for instruction.**

## **PROBABILITY & STATISTICS**

**Code: #248**  
**Length: Semester**

**Credit: 0.5**  
**Prerequisite: Algebra II**

This course will offer the student a practical approach to methods of displaying and interpreting data. The student will learn how to “fit” lines and curves and will explore measurement, probability, statistics and simulation. This course may be taken alone or in combination with Introduction to College Algebra. Students are encouraged to have a graphing calculator. **The TI-84 Plus is used for instruction.**

## **INTRODUCTION TO COLLEGE ALGEBRA**

**Code: #254**  
**Length: Semester**

**Credit: 0.5**  
**Prerequisite: Algebra II**

This course will offer the student a thorough development of relations and functions. Topics include the analysis of polynomial, absolute value, rational, root, exponential and logarithmic functions. Piecewise-defined functions, inverses of functions and composition of functions will also be featured. **Graphing calculators are required technology. The TI-84 Plus is used for instruction.**

## **CCP ADVANCED MATHEMATICS**

**Code: #241 / #CCP 241**  
**Length: Year**

**Credit: 2**  
**Prerequisite: B- in Algebra II and  
Department Recommendation**

This course will offer the student a thorough development of the study of trigonometry and its applications. Analytic topics will be discussed to better prepare the college-bound student for many mathematical areas of study. Emphasis is placed on analysis of concepts rather than just performance of computational skills. **Graphing calculators are required technology. The TI-84 Plus is used for instruction.**

## **PRE-CALCULUS**

**Code: #240A**  
**Length: Year**

**Credit: 1**  
**Prerequisite: B– in Honors Algebra II**

This course will offer the student a very thorough development of the study of trigonometry and its applications. The student will refine mathematical skills which were introduced in algebra and geometry, and calculus topics such as continuity, end behavior of functions, and limits will be introduced. **Graphing calculators are required technology. The TI-84 Plus is used for instruction.**

## **AP CALCULUS AB**

**Code: #246**

**Length: Year**

**Credit: 1**

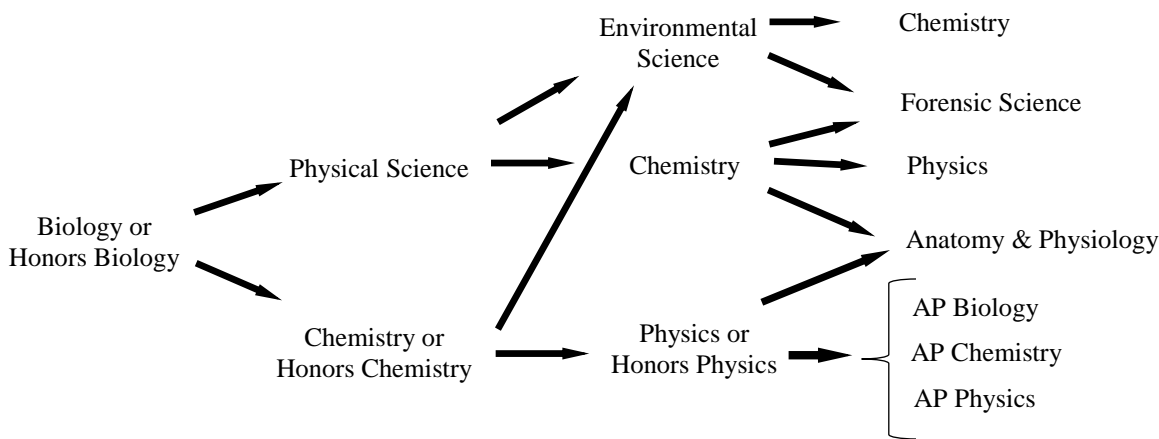
**Prerequisite: B– in Pre-Calculus**

This study of differential calculus of one variable discusses the topics of limits, continuity, techniques of differentiation, and applications of derivatives. The course continues with the study of the definite integral and its applications, calculus of transcendental functions, and techniques of integration. Upon completion the student may elect to take the AB portion of the AP Calculus Test. **Graphing calculators are required technology. The TI-84 Plus is used for instruction.**

# SCIENCE

<u>Courses</u>	<u>Grades</u>	<u>Prerequisites</u>
Biology	9	
Honors Biology (W)	9	Enrolled in Honors math
Physical Science	10	
Chemistry	10, 11, 12	C+ in current science and math
Honors Chemistry (W)	10	A in Biology and Algebra I, or B in Hns. Biology and Hns. math
Environmental Science	11	
Forensic Science	12	
<b>ADVANCED ELECTIVES</b>		
Physics	11, 12	C+ in Chemistry and Geometry or current math
Honors Physics (W)	11	A in Chemistry and Geometry, or B in Hns. Chemistry and Hns. math
Anatomy & Physiology	12	B in Biology, C in Chemistry
AP Biology (W)	12	B in Chemistry, Biology, Algebra II; Completed or enrolled in Physics
AP Chemistry (W)	12	B in Chemistry and Algebra II; Completed or enrolled in Physics
AP Physics (W)	12	B in Physics and Pre-Calculus Enrolled in AP Calculus

### Typical Science Sequence



**Please Note:**

1. All courses require department recommendation.
2. Initial placement is made with reference to standardized test scores, previous science class grades, and math placement.
3. With department approval students may take 2 science classes junior and/or senior year. For example, a junior may enroll in Physics and AP Biology, then enroll in AP Chemistry as a senior.
4. Beginning in the 2019-2020 school year Forensic Science and Environmental Science will be offered on alternating years. Forensic Science will be offered 2019-2020 and Environmental Science will be offered 2020-2021.

## **BIOLOGY**

**Code: #321**

**Credit: 1**

**Length: Year**

Biology is a student centered, laboratory based course which guides students to a deeper understanding of the structure and nature of living systems. Biology unit topics include: Cell physiology which includes basic biochemistry, homeostasis, respiration, photosynthesis, protein synthesis, and cell reproduction; Genetics including Mendelian genetics and its application to human genetics; and Microbiology including unicellular organisms, bacteria growth and reproduction. Studying Biology, students will learn value for all forms of life, helping them become better caretakers of the Earth.

## **HONORS BIOLOGY**

**Code: #325**

**Credit: 1**

**Length: Year**

**Prerequisite: Enrolled in Honors Math and Department Recommendation**

Honors Biology is designed for the above average freshman who would benefit from an accelerated science program. This course encourages students to think creatively and develop problem solving skills. The same unit topics covered in Biology will be covered in greater depth, including: Cell physiology which includes basic biochemistry, homeostasis, respiration, photosynthesis, protein synthesis, and cell reproduction; Genetics including Mendelian genetics and its application to human genetics; Microbiology including unicellular organisms, bacteria growth and reproduction; and Ecology. Significant laboratory time is used in the achievement of course objectives. Students who take Honors Biology should proceed to take Chemistry/Honors and Physics/Honors.

## **PHYSICAL SCIENCE**

**Code: #302C**

**Credit: 1**

**Length: Year**

In Physical Science, students will be developing and using models to represent physical phenomena. This course is taught through a Modeling Instruction\* curriculum. Students are actively involved in conducting experiments, gathering evidence and data, and analyzing their results to develop mathematical models. Unit topics include: two-dimensional kinematics, balanced and unbalanced forces, energy, structure and properties of matter, chemical reactions, and astronomy.

## **CHEMISTRY**

**Code: #331**

**Credit: 1**

**Length: Year**

**Prerequisite: C+ in current Science and Math Department Recommendation**

In Chemistry, the student will be actively engaged in learning the structure and behavior of matter at the particle level. This course is taught through a Modeling Instruction\* curriculum. Students are actively involved in designing and performing laboratory experiments to collect evidence for the particle nature of matter. Unit topics include: particle models of matter, energy, atomic structure, reactions, stoichiometry, and patterns of the periodic table. Instructional units begin with demonstrations and experiments examining chemical phenomena. Students then analyze patterns in laboratory data, design models to explain the phenomena, and finally present and defend their conclusions to the class. A significant amount of mathematics is involved. This course fosters creative problem solving, the ability to design laboratory procedures and mathematical models, and the use of evidence to support hypotheses and explain observations.

## **HONORS CHEMISTRY**

**Code: #330**

**Credit: 1**

**Length: Year**

**Prerequisite: A in Biology and Algebra I  
B in Hns. Biology and Hns. Math  
Department Recommendation**

Honors Chemistry is designed for the above average student who would benefit from an accelerated science program. The same topics covered in Chemistry will be addressed in this course with greater depth. This course is



taught through a Modeling Instruction\* curriculum. Students are actively involved in designing and performing laboratory experiments to collect evidence for the particle nature of matter. Instructional units begin with demonstrations and experiments examining chemical phenomena. Students then analyze patterns in laboratory data, design models to explain the phenomena, and finally present and defend their conclusions to the class. This course fosters creative problem solving, the ability to design laboratory procedures and mathematical models, and the use of evidence to support hypotheses and explain observations. Several laboratory experiences in this course involve guided inquiry in which students create their own procedures under teacher supervision. A significant amount of mathematics is involved and it is recommended that students be in an Honors math course.

### **ENVIRONMENTAL SCIENCE**

**Code: #360**

**Credit: 1**

**Length: Year**

Environmental Science will allow the student to analyze the environment in which he or she lives. Major topics will include environmental inter-relationships, environmental interactions, energy transfer and use, the effects of pollution, and policy decisions that are made regarding the environment. Students are encouraged to collaborate and research several topics related to environmental concerns. An integral component of this course is inquiry based laboratory experience and project based assessments.

### **FORENSIC SCIENCE**

**Code: #347**

**Credit: 1**

**Length: Year**

**Prerequisite: Department Recommendation**

In this elective science course, students will have the opportunity to explore scientific principles while analyzing physical evidence from crime scenes and examining case studies. Students will evaluate data, draw logical conclusions, and formulate probable solutions. Technology will be utilized to evaluate crime scenes and communicate the results. Forensic science integrates concepts from chemistry, physics, biology, earth science, and anatomy.

### **PHYSICS**

**Code: #341**

**Credit: 1**

**Length: Year**

**Prerequisite: C+ in Chemistry and Geometry**

Physics is primarily a mechanics based course. The topics of electricity and magnetism will also be addressed. This course is taught through a Modeling Instruction\* curriculum. Students will observe physical phenomena at the beginning of each unit and then test their own observations in a lab setting, creating graphical and mathematical models from collected data. Students will then come together, present, compare, and defend their models in class discussions. The end result is a known physical law. Strong emphasis is placed on conceptual understanding of physical laws and scientific inquiry. This course requires collaboration skills and basic understanding of algebraic and trigonometric functions.

### **HONORS PHYSICS**

**Code: #343**

**Credit: 1**

**Length: Year**

**Prerequisite: A in Chemistry and Geometry or  
B in Hns. Chemistry and Hns. Math  
Department Recommendation**

Honors Physics is designed for the above average student who would benefit from an accelerated science program. The same topics covered in Physics will be addressed in this course with greater depth including mechanics, electricity, and magnetism. This course is taught through a Modeling Instruction\* curriculum. Students will observe physical phenomena at the beginning of each unit and then test their own observations in a lab setting, creating graphical and mathematical models from collected data. Students will then come together, present, compare, and defend their models in class discussions. The end result is a known physical law. Strong emphasis is placed on conceptual understanding of physical laws and scientific inquiry. This course requires collaboration skills and a solid understanding of algebraic and trigonometric functions. Elements of basic calculus are used infrequently.

## **ANATOMY AND PHYSIOLOGY**

**Code: #365B**

**Length: Year**

**Credit: 1**

**Prerequisite: B in Biology, C in Chemistry  
Department Recommendation**

Anatomy and Physiology builds on the knowledge acquired in biology and expands into human anatomy and physiology. Students will study the various organ systems of the human body, their structures and functions, and how organ systems interact to maintain homeostasis. Study will be enhanced by many laboratory explorations and multiple dissections are required. This course is recommended for students who have a strong interest in biological or medical fields.

## **ADVANCED PLACEMENT BIOLOGY**

**Code: #327**

**Length: Year**

**Credit: 1**

**Prerequisite: B in Alg II, Chemistry/Honors  
B in Biology/Honors; Physics, and  
Department Recommendations**

Advanced Placement Biology is a college level biology course. This advanced course is intended for future science majors and pre-med students. This course is structured around the four big ideas articulated in the AP Biology curriculum framework provided by the College Board: evolution, cellular processes including energy and communication, genetics and information transfer, and interactions. Essential to this course is a conceptual understanding of science as a process rather than the accumulation of facts, the unifying themes in biology, application of biological knowledge, and critical thinking of environmental, social, and experimental concerns. Experience in scientific inquiry, inquiry-based laboratory work, and independent study will be a significant component of this course. Upon completion of this course, the student may elect to take the AP Biology exam.

## **ADVANCED PLACEMENT CHEMISTRY**

**Code: #333**

**Length: Year**

**Credit: 1**

**Prerequisite: B in Alg II, Chemistry/Honors;  
Physics, and Department  
Recommendation**

AP Chemistry is a college level chemistry course. This advanced course is intended for future science, engineering, and pre-medical students. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by the College Board: structure of matter, properties of matter (characteristics, states, and forces of attraction), chemical reactions (including acid/base and redox reactions), kinetics, thermodynamics, and equilibrium. Laboratory work will be a significant part of the course, including a strong emphasis on scientific inquiry and data analysis. This rigor and pace of this class is consistent with college courses and students are expected to actively participate in class discussions, laboratory investigations, and online assignments associated with the textbook. Online summer assignments are required. Upon completion of this course, the student may elect to take the AP Chemistry exam.

## **ADVANCED PLACEMENT PHYSICS C: MECHANICS**

**Code: #**

**Length: Year**

**Credit: 1**

**Prerequisite: B in Pre-Calculus, Physics/Honors  
Enrolled in AP Calculus  
Department Recommendations**

AP Physics is a college-level course. This course is intended for students wanting to specialize in physical sciences or engineering. Students will investigate kinematics, Newton's laws, work, energy, power, linear momentum, circular motion and rotation, oscillations and gravitation. Students will be engaged in lab activities about 20% of the instructional time for the class. During this time students will be required to design experiments for real phenomena, measure and organize their data, draw inferences from their data during analysis and then comment on sources of error to suggest ways to improve the experiment. The rigor and pace of this course will prepare students for the AP Exam C: Mechanics. Online summer assignments are required. Upon completion of this course, the student may elect to take the AP Physics exam.

# SOCIAL STUDIES

<u>Courses</u>	<u>Grades</u>	<u>Prerequisites</u>
Modern World History	9	
Honors Modern World History (W)	9	Department Recommendation
United States History	10	
AP United States History (W)	10, 11, 12	Successful Completion of Hon. Modern World History or Department Recommendation
American Government	11	
AP U.S. Government & Politics (W)	11, 12	Successful Completion of AP U.S. History or Successful Completion of United States History with Department Recommendation
 <u>Electives</u>		
Ancient World History	11, 12	
Early American History	11, 12	
Introduction to Psychology	10, 11, 12	
Introduction to Sociology	10, 11, 12	
Women's Studies	11, 12	
AP Psychology (W)	11, 12	Successful Completion of AP Social Studies or AP Science or Department Recommendation and meet LCCC requirements
CCP Ohio History (W)	11,12	Successful Completion of AP U.S. History or U.S. History with Department Recommendation and meet LCCC requirements
*CCP Civilization I (W)	11, 12	Successful Completion of AP U.S. History or U.S. History with Department Recommendation and meet LCCC requirements
*CCP United States I (W)	11, 12	Successful Completion of AP U.S. History or U.S. History with Department Recommendation and meet LCCC requirements

\*These classes are offered every other academic year.

## MODERN WORLD HISTORY

**Code: #115C**

**Credit: 0.5**

**Length: Semester**

This course is designed to help students gain an understanding of the development of the modern world through study of world history from 1600 – 1995 as well as to prepare them for success in future social studies classes. The students will develop intellectual skills through class discussion, note taking, and writing assignments. The course emphasizes reading informational texts, analyzing historical sources, writing, and organizational skills.

## **HONORS MODERN WORLD HISTORY**

**Code: #115D**

**Length: Semester**

**Credit: 0.5**

**Prerequisite: Department  
Recommendation**

Designed for self-motivated and high-achieving learners, this course will challenge students as they gain an understanding of the development of the modern world through study of world history from 1600 – 1995 as well as to prepare them for success in future honors and advanced social studies classes. The students will develop intellectual skills through class discussion, note taking, and writing assignments. The course emphasizes reading informational texts, analyzing historical sources, higher-order thinking and writing, and organizational skills at a more demanding level than the Modern World History course.

## **UNITED STATES HISTORY**

**Code: #131**

**Length: Year**

**Credit: 1**

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

## **ADVANCED PLACEMENT UNITED STATES HISTORY**

**Code: #140**

**Length: Year**

**Credit: 1**

**Prerequisite: Successful Completion of  
Hon. Modern World  
History or Department  
Recommendation**

Advanced Placement United States History is a college-level class designed for self-motivated, high-achieving students who wish to study the course of U.S. history in greater depth and breadth. Original documents and opposing viewpoints of history are integrated into the program. Political, economic, social, religious, and cultural movements form the basis of reading and discussion. The course is "paced to finish," emphasizing critical reading, writing, analysis, and discussion. It prepares students to take the AP exam in U.S. History which can earn college credit. This course may be taken by tenth graders who have successfully completed the Honors Modern World History course to fulfill the U.S. History core requirement or by eleventh and twelfth grade students as an elective following the successful completion of the U.S. History course.

## **AMERICAN GOVERNMENT**

**Code: #153**

**Length: Year**

**Credit: 1**

During the year of American Government, students will investigate the workings of the three branches of government. In addition, students will study the U.S. Constitution and its democratic safeguards in order to understand their civil liberties and rights guaranteed by the document. Other topics include state and local governments, economic principles, financial literacy, political parties, and the election process.

## **ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS**

**Code: #150**

**Length: Year**

**Credit: 1**

**Prerequisite: Successful Completion of AP U.S. History or United States History with Department Recommendation**

A yearlong examination of government in America, from the national to the state to the local levels, this course leads to the Advanced Placement test in May, from which students have the opportunity to earn college credit. It offers a challenging, comprehensive study of U.S. Government and politics, including a full look at the operation of the three branches of the federal government, a comparison with other governmental systems, and an investigation of the Constitution (especially through court decisions). Cooperation between national and regional levels of government is explored, as are the forms and functions of state and local systems. This course may be taken by eleventh graders who have successfully completed either U.S. History course to fulfill the Government core requirement or by twelfth grade students as an elective following the successful completion of the American Government course.

## **ANCIENT WORLD HISTORY**

**Code: #120**

**Length: Semester**

**Credit: 0.5**

A survey course of ancient cultures beginning with the first city-states of Mesopotamia, and including ancient Egyptians, Greeks, Romans, Indians, and Chinese. Students will be provided with information that will develop an appreciation of the rich and diverse cultural heritage of the ancient world. By achieving an understanding of the ancient past, the student will better understand the roots of modern cultures and societies.

## **EARLY AMERICAN HISTORY**

**Code: #125**

**Length: Semester**

**Credit: 0.5**

This elective course will be a survey of the major events, themes, and people from the first half of American History. Eras that will be studied include European Discovery and Colonization, Revolution and Independence, Westward Expansion, and the Civil War and Reconstruction.

## **INTRODUCTION TO PSYCHOLOGY**

**Code: #104**

**Length: Semester**

**Credit: 0.5**

Introduction to Psychology is designed to introduce students to a behavioral science. The course will acquaint students with some of the major pioneers in psychological thought and their theories in areas such as emotions, behavior, and learning. These ideas will be a tool by which students will gain a better understanding of themselves and others.

## **INTRODUCTION TO SOCIOLOGY**

**Code: #107**

**Length: Semester**

**Credit: 0.5**

Introduction to Sociology is an elective course that studies human society and social behavior. Sociology teaches students to look at life in a scientific, systematic way. This course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture, violence, deviance, social control, socialization and personality, group behavior, social class, and social institutions. The key component of this course is to study ourselves and the society that influences our behavior.

## **WOMEN'S STUDIES**

**Code #109**

**Credit: 0.5**

**Length: Semester**

This semester long course is designed to take a closer look at the role women have played in key events throughout American History and in some cases affecting events on a global scale. While women's history has been a subject of serious study, the story of women throughout our history is largely neglected at the secondary level. Therefore, the goal for this course is to have students enhance their knowledge of women's roles throughout our American history while exploring primary sources that reveal more details about them as well as unveil parts unknown about their challenges and accomplishments.

## **COLLEGE CREDIT PLUS OHIO HISTORY**

**Code: #CCPHSTR176**

**Credit: 1**

**Length: Semester**

**Prerequisite: Successful Completion of AP U.S. History or United States History with Department Recommendation and meet LCCC Criteria**

This College Credit Plus elective course will provide an overview of the settlement and development of Ohio from the pre-Columbian era to the present. It will investigate the evolution of political, cultural and economic life from a rural setting to the creation of a multicultural agrarian/industrial combination.

## **COLLEGE CREDIT PLUS CIVILIZATION I**

**Code: #CCPHSTR151**

**Credit: 1**

**Length: Semester**

**Prerequisite: Successful Completion of AP U.S. History or United States History with Department Recommendation and meet LCCC Criteria**

This College Credit Plus elective course will provide an overview of the historical, political, economic, cultural, religious and institutional patterns of society from ancient civilizations through 1500. This course is offered every other academic year.

## **COLLEGE CREDIT PLUS UNITED STATES I**

**Code: #CCPHSTR161**

**Credit: 1**

**Length: Semester**

**Prerequisite: Successful Completion of AP U.S. History or United States History with Department Recommendation and meet LCCC Criteria**

This College Credit Plus elective course will cover the study of the origin and growth of American civilization from the discovery of the western hemisphere to the end of the Reconstruction. This course is offered every other academic year.

## **ADVANCED PLACEMENT PSYCHOLOGY**

**Code: #105**

**Credit: 1**

**Length: Year**

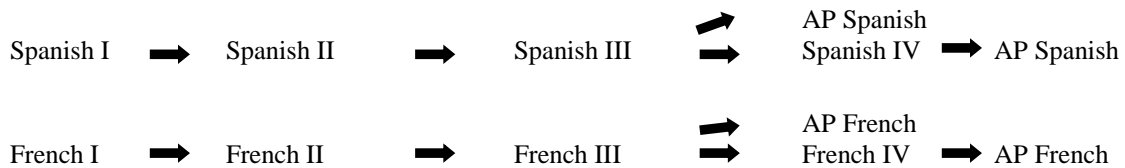
**Prerequisite: Successful Completion of AP Social Studies or Science or Department Recommendation**

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This course may be taken as a full-year elective by eleventh and twelfth graders who have successfully completed another AP class in Social Studies or

# WORLD LANGUAGE

<u>Courses</u>	<u>Grades</u>	<u>Prerequisites</u>
Spanish I	9,10,11,12	English grade / Placement exam score, and Department Recommendation
Spanish II	9,10,11,12	401, C- average, Dept. Recommendation
Spanish III	10,11,12	402, C average, Dept. Recommendation
Spanish IV (W)	11, 12	403, B- average, Dept. Recommendation
AP Spanish Language (W)	11,12	403, B- average, Dept. Recommendation
French I	9,10,11,12	English grade / Placement exam score, and Department Recommendation
French II	9,10,11,12	421, C average-Dept. Recommendation
French III	10,11,12	422, C average-Dept. Recommendation
French IV (W)	11,12	423, B- average-Dept. Recommendation
AP French Language (W)	12	423/424, B- average, Dept. Recommendation
Russian	11, 12	Department Recommendation

### Typical Foreign Language Sequences



- Please note:**
- 1) A “C” average must be maintained for the year in order to continue to Level II or III. A “B-” average is required for Level IV and AP.  
**FINAL GRADES IN JUNE CAN OVERRIDE A TEACHER’S APPROVAL SIGNATURE FROM JANUARY.**  
 In the event of a failing grade in Level I, it is recommended that a student not begin a new language until junior year.
  - 2) Transfer students wishing to continue in a foreign language are required to take a placement examination.
  - 3) Be aware that foreign language requirements vary by college.

## **SPANISH I**

**Code: #401**  
**Length: Year**

**Credit: 1**  
**Prerequisites: English grade / Placement exam score  
and Department Recommendation**

In Spanish I the student receives instruction in listening, speaking, and reading skills as well as limited writing skills. Conversation is stressed during class time. The student becomes aware of cultural diversity in the areas of social customs, food, sports, education. Basic grammar and vocabulary are presented.

## **SPANISH II**

**Code: #402**  
**Length: Year**

**Credit: 1**  
**Prerequisites: 401, C- average and  
Department Recommendation**

Spanish II consists of more intensive practice in listening, speaking, and reading skills. Writing skills are expanded but not yet emphasized. More detailed cultural aspects of the Hispanic world are developed. Learning vocabulary, grammar, and verb tenses enable the student to communicate in an Hispanic environment.

## **SPANISH III**

**Code: #403**  
**Length: Year**

**Credit: 1**  
**Prerequisite: 402, C average and  
Department Recommendation**

Spanish III reinforces previously learned grammar and verb tenses as well as the newly presented materials and vocabulary. This course includes a more intense study of culture and literary works. Oral and written communication are stressed. More work is done on an independent level, challenging the more serious student.

## **SPANISH IV**

**Code: #404**  
**Length: Year**

**Credit: 1**  
**Prerequisite: 403, B- average and  
Department Recommendation**

Spanish IV provides opportunities to gain deeper insights into the nature and structure of the Spanish language and to engage in the study of literature, history, geography and culture of the Spanish-speaking countries. This class is strongly recommended for juniors who took Spanish III in their sophomore year and for seniors who do not plan on taking the Spanish AP test.

## **AP SPANISH LANGUAGE**

**Code: #410**  
**Length: Year**

**Credit: 1**  
**Prerequisite: 403, B- average and  
Department Recommendation**

AP Spanish provides opportunities for the student to explore the literature and the social, cultural, historical and geographical issues of Spanish-speaking countries. Speaking, reading, writing, and listening skills are strongly emphasized. Independent work is required at this level. Due to the nature of this course work, students will receive an extra 1 quality point for an Honors/Advanced Placement course.



## **FRENCH I**

**Code: #421**  
**Length: Year**

**Credit: 1**  
**Prerequisite: English grade / Placement exam score  
and Department Recommendation**

In French I the student receives instruction in listening, speaking, and reading skills as well as limited writing skills. Conversation is stressed during class time. The student becomes aware of cultural diversity in the areas of social customs, food, sports, education. Basic grammar and vocabulary are presented.

## **FRENCH II**

**Code: #422**  
**Length: Year**

**Credit: 1**  
**Prerequisite: 421, C average and  
Department Recommendation**

Building on the linguistic and cultural foundation of French I, French II aims to make the student more confident and competent to communicate in French. Further practice in listening and speaking, study of more grammatical structures, and opportunities to read and write in French form the basis of the course.

## **FRENCH III**

**Code: #423**  
**Length: Year**

**Credit: 1**  
**Prerequisite: 422, C average and  
Department Recommendation**

Semester I reinforces previously learned vocabulary, grammar, and verb tenses. Advanced points of grammar and other new materials are presented. Semester II continues the work, including a general study of arts, culture, civilization, and literature. Written and oral work includes brief, creative summaries and compositions, and oral presentations of response, prose, and poetry. More work is done on an independent level, challenging the more serious student.

## **FRENCH IV**

**Code: #424**  
**Length: Year**

**Credit: 1**  
**Prerequisite: 423, B- average and  
Department Recommendation**

This course fine tunes the skills of listening, speaking, writing and reading in French. Students will explore French and Francophone literature and study the social, cultural, historical and geographical issues of the French-speaking countries. This course is strongly recommended for juniors who took French III in their sophomore year and for seniors who do not plan on taking the French AP test.

## **AP FRENCH LANGUAGE**

**Code: #430**  
**Length: Year**

**Credit: 1**  
**Prerequisite: 423 / 424, B- average and  
Department Recommendation**

French AP provides opportunities for the student to explore the literature and the social, cultural, historical and geographical issues of French-speaking countries. Speaking, reading, writing, and listening skills are strongly emphasized. Independent work is required at this level. Due to the nature of this coursework, students will receive an extra one (1) quality point for an Honors/Advanced Placement course.

## **RUSSIAN**

**Code: #480**  
**Length: Year**

**Credit: 1**  
**Prerequisite: Department Recommendation**

In Russian, the student receives instruction in listening, speaking, and reading skills as well as limited writing skills. Conversation is stressed during class time. The student becomes aware of cultural diversity in the areas of social customs, food, sports, education. Basic grammar and vocabulary are presented.

## MULTIDISCIPLINARY

<u>Course</u>	<u>Grades</u>
ACT Prep	11
Broadcasting	11, 12
Foods and Nutrition	11, 12
Introduction to Engineering	10, 11, 12

### ACT PREP

**Code: 955**

**Credit: 0.5**

**Length: Semester**

ACT prep prepares students for the rigors of this important exam by focusing on strategies for high score achievement. Driven by the POINTS Test Prep program, students receive an engaging curriculum that refines existing skills and offers proven strategies for success. Colleges and scholarships screen applicants on the basis of the ACT score, often shaving thousands of dollars off the cost of tuition. This course is customized to meet each student's specific needs and covers the 5 areas of the ACT TEST: English, math, Reading, Science, and Writing.

### BROADCASTING

**Code: #086**

**Credit: 1**

**Length: Year**

Students will learn the process of creating video packages for publication in various formats including Live Stream, DVD, internet, and YouTube. Students will learn to produce video from start to finish. Students will create scripts, use cameras correctly, record the event, and use Adobe Premiere post production. They will be introduced to production technology, including the New Tech Tri-Caster in order to produce professional quality productions.

### FOODS AND NUTRITION

**Code: #604**

**Credit: 0.5**

**Length: Semester**

Students will gain knowledge and skills in acquiring and practicing a healthy lifestyle using the dietary guidelines. They will evaluate information related to food technology, nutrition and safety. Students assume the responsibility for meal planning, nutrition, time and resource management in the foods lab when preparing healthy foods.

### INTRODUCTION TO ENGINEERING

**Code: #353**

**Credit: 0.5**

**Length: Semester**

Students will use science, math, and technology to solve real-world problems. Working collaboratively, students will research and collect evidence to solve a problem, then design, build, and test concrete models of solutions. Students will share and defend their solutions.