



Dear Students and Parents:

The contents of this catalogue are very important to you. This course catalogue provides course offerings and descriptions of courses that will be offered during the 2008-2009 school year. The courses that you select will affect you now and also in your future. You and your parents should review this catalogue together in order to select the courses which will best meet your needs in the coming school year and in your future. Once courses have been selected, you should work closely with your guidance counselor and classroom teachers to insure that the selected courses are appropriate for your academic ability and will fulfill your post-high school plans.

As you continue your studies at Badin, your post-high school plans may change; however, you must think realistically now in order to make the most of your high school education. My hopes for each of you are that you will take advantage of the many challenging and interesting courses offered and that you will benefit from the excellent Catholic education available to you.

If you or your parents have questions, please contact the academic dean, Mrs. Heinrich, the guidance counselors, Mr. Reardon or Mr. Pursley, or your current course teachers.

Very truly yours,

Frank Margello  
Principal

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## **GRADUATION REQUIREMENTS**

**In order to receive a diploma a student must pass all five sections of the Ohio Graduation Tests.**

A student must have twenty units of academic studies plus one unit of religious studies for each year of attendance at Badin for graduation. The twenty units of academic studies must include a minimum of the following:

- Four units of English
- Three units of mathematics
- Four units of social studies
- Three units of science
- One unit of health and physical education
- One unit or two half units in foreign language, and/or business/technology
- One unit or two half units in visual/performing arts
- One-half unit of introduction to computers
- Two and one-half elective units

### **SAFE CURRICULUM FOR COLLEGE-BOUND STUDENTS**

A great deal of confusion has been generated about the courses needed for unconditional acceptance into a university in the state of Ohio for the pursuit of a four-year baccalaureate degree. To eliminate this confusion, the Ohio admissions counselors have recommended that students take the safe curriculum in high school. The safe curriculum is composed of the following subjects.

4 units of English

3 units of math (Algebra I, Geometry, Algebra II)\*

3 units of natural science

3 units of social studies

2 units of a foreign language

1 unit of visual /performing arts

\*Students who plan to major in engineering need four units of math in high school.

If a student does not have credits for the required courses, he will have to take an entrance test and/or be required to take additional course work in college. For specific information regarding entrance information at a particular university in Ohio, please contact the department of admissions at the university.

## **ACADEMIC ELIGIBILITY FOR STUDENTS PARTICIPATING IN ATHLETICS**

An athlete must be academically eligible to participate in sports. The Ohio High School Athletic Association by-law states that an athlete must have passing grades in a minimum of five one-credit courses in the immediately preceding grading period to participate in sports. An athlete who did not pass five one-credit courses at the end of the previous school year shall be ineligible to play for the first quarter of the following school year.

An athlete must pass five one-credit courses from the previous quarter to participate in sports. The academic eligibility of an athlete will be checked biweekly during a sport's season. An athlete must maintain passing grades in five of his/her one-credit courses to be eligible to continue playing. An athlete who fails to meet this requirement will be benched for one week. The athlete will practice during that time. After one week the grades will be checked and eligibility re-determined. The grade the student receives biweekly will reflect the grade the student would receive in that class, should the student withdraw from school at that point.

According to the Ohio High School Athletic Association, for eligibility purposes, summer school grades may not be used to substitute for failing grades received in the final grading period.

An athlete enrolled in the first grading period after advancement from the eighth grade must have passed 75% of those subjects carried the preceding grading period in which the student was enrolled.

## NCAA INITIAL-ELIGIBILITY CLEARINGHOUSE

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. The Clearinghouse was established by the NCAA member institutions in January, 1993. The Clearinghouse ensures consistent application of NCAA initial-eligibility requirements for all prospective student athletes at all member institutions.

**To be certified by the Clearinghouse, you must:**

**1. Graduate from high school**

You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted.

**2. Earn a grade-point average of at least 2.00** (on a 4.00 scale)

in a core curriculum of at least 13 academic courses which were successfully completed during grades 9 through 12. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA. No special values are allowed for + or - grades. The chart below shows what your core courses must include at a minimum.

**PLEASE NOTE:** Computer science is being eliminated as an acceptable core-course area for students first entering any college or university on or after August 1, 2005. Students entering college on or after August 1, 2005, may not use any computer science courses in meeting the core-course requirements.

### CORE UNITS REQUIRED FOR NCAA CERTIFICATION

	DIVISION I	DIVISION II
ENGLISH CORE	4 YEARS	3 YEARS
MATH CORE	3 YEARS	2 YEARS
SCIENCE CORE	2 YEARS	2 YEARS
SOCIAL SCIENCE CORE	2 YEARS	2 YEARS
FROM ENGLISH, MATH OR SCIENCE	1 YEAR	2 YEARS
ADDITIONAL CORE (English, Math, Science, Social Science, Foreign Language, Computer Science, Philosophy, Non-doctrinal Religion.)	4 YEARS	3 YEARS
<b>TOTAL CORE UNITS REQUIRED</b>	16	14

**3. Earn a sum of scores of at least 68 on the ACT or a combined score of at least 820 on the re-centered SAT (or 700 on the non-recentered SAT) on a national test date.**

For Division I: The minimum grade-point average in the 14 core courses and required ACT or SAT score vary according to the Initial-Eligibility Index below.

Core GPA	ACT Sum	SAT I	Core GPA	ACT Sum	SAT I
3.550 & above	37	400	3.050	50	600
3.525	38	410	3.000	52	620
3.500	39	420	2.950	53	640
3.475	40	430	2.900	54	660
3.450	41	440	2.850	56	680
3.425	41	450	2.800	57	700
3.400	42	460	2.750	59	720
3.375	42	470	2.700	60	730
3.350	43	480	2.650	62	760
3.325	44	490	2.600	64	780
3.300	44	500	2.550	66	800
3.250	46	520	2.500	68	820
3.200	47	540	2.400	71	860
3.150	48	560	2.300	75	900
3.100	49	580	2.000	86	1010

For Division II: The minimum grade-point average in the 13 core courses and required ACT or SAT score vary according to the Initial-Eligibility Index below.

Core GPA	ACT Sum	SAT I	Core GPA	ACT Sum	SAT I
above 2.500	68	820 (taken on or after 4/1/95)	2.250	77	920
2.500	68	820	2.225	78	930
2.475	69	830	2.200	79	940
2.450	70	840-850	2.175	80	950
2.425	70	860	2.150	80	960
2.400	71	860	2.125	81	960
2.375	72	870	2.100	82	970
2.350	73	880	2.075	83	980
2.325	74	890	2.050	84	990
2.300	75	900	2.025	85	1000
2.275	76	910	2.000	86	1010

The NCAA Initial-Eligibility Clearinghouse has approved the following courses for use in establishing the certification status of student athletes from Badin High School. NOTE: Division 1 mathematics requirements for students attending college after August 1, 2005, stipulates at least one unit of mathematics must be at level 2.

**ENGLISH**

ENGLISH 1/ACP  
 ENGLISH 1/CP  
 ENGLISH 1/H  
 ENGLISH 1/S  
 ENGLISH 2/ACP  
 ENGLISH 2/CP  
 ENGLISH 2/H  
 ENGLISH 2/S  
 ENGLISH 3/ACP  
 ENGLISH 3/CP  
 ENGLISH 3/H  
 ENGLISH 3/S  
 ENGLISH 3/AP English Language  
 ENGLISH 4/ACP  
 ENGLISH 4/CP  
 ENGLISH 4/H  
 ENGLISH 4/S  
 ENGLISH 4/AP English Literature

**MATHEMATICS**

ALG II/TRIG ACP (LEVEL 2)  
 ALG II/TRIG CP (LEVEL 2)  
 ALGEBRA I, PT 1 (LEVEL 1) .5 unit  
 ALGEBRA I, PT 2 (LEVEL 1) .5 unit  
 ALGEBRA I CP (LEVEL 1)  
 ALGEBRA 2/TRIG (LEVEL 2)  
 ALGEBRA ACP (LEVEL 1)  
 CALCULUS H (LEVEL 2)  
 GEOMETRY ACP (LEVEL 2)  
 GEOMETRY CP (LEVEL 2)  
 MATH 1 H (LEVEL 1)  
 MATH 2 H (LEVEL 2)  
  
 PRE-CALCULUS ACP (LEVEL 2)  
 PRE-CALCULUS H (LEVEL 2)  
 STATISTICS  
 MODERN MATH

**SOCIAL SCIENCE**

ECONOMICS  
 GOVERNMENT  
  
 AP GOVERNMENT  
 CURRENT ISSUES  
 AP US HISTORY  
 US HISTORY I—COLONIAL TO 1870  
 US HISTORY II—1870 TO PRESENT  
 WORLD HISTORY  
 MARKETING/ECONOMICS

**FOREIGN LANGUAGE**

LATIN I  
 LATIN II  
 LATIN III  
 LATIN IV  
  
 SPANISH 1  
  
 SPANISH 2  
 SPANISH 3  
 SPANISH 4

**NATURAL/PHYSICAL SCIENCE**

BIOLOGY AP  
 BIOLOGY ACP  
 BIOLOGY CP  
 BIOLOGY H  
 INTEGRATED SCIENCE CP  
 INTEGRATED SCIENCE ACP  
 CHEMISTRY ACP  
 CHEMISTRY CP  
 CHEMISTRY H  
 PHYSICS  
 PHYSIOLOGY ACP  
 PHYSIOLOGY H  
 HUMAN BODY  
 SPACE & EARTH

**COMPUTER COURSES**

COMPUTER APPLICATIONS  
 COMPUTER PROGRAMS  
 WEB DESIGN

## ***COURSE OFFERINGS OF THE BUSINESS/TECHNOLOGY DEPARTMENT***

### **INTEGRATED TECHNOLOGY I**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	9	ACP

Prerequisite: none

This class provides students beginning high school with basic technology competencies that include an emphasis on skills that will integrate with other classes. Keyboarding software is used throughout the course to reinforce students' keyboarding skills. Using a combination of proprietary software, Creative Commons licensed software, and freeware, the student will learn how to create and edit documents, change text formatting, and manipulate page layout. Professional-appearing research papers and letters are created. Students will learn to use multiple software packages to develop attractive and meaningful presentations.

Students are trained in computer and Internet security and instructed to demonstrate legal and ethical behaviors regarding the use of technology and information. They will develop proficiencies in the use of online research, collaboration, and communication tools. For more information see <http://www.becomethebest.com>

### **INTEGRATED TECHNOLOGY II**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	10-12	ACP

Prerequisite: Integrated Technology I or permission of instructor

This course initially presents an overview of Windows and provides basic then advanced instruction in Microsoft Word. PowerPoint software is used to create presentations using information from the Internet and incorporating scanned and digitally produced objects. Computer security issues including risk analysis, remediation, and protection will be covered. Most students at this level have had some exposure to the Internet; this course will enable them to properly and efficiently use the Internet for research and communication as well as prepare research papers using the Internet and Microsoft Word. Also included in instruction are Google Earth, Firefox and add-ons, and choosing a computer for college.

## INTEGRATED TECHNOLOGY III

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 semester	10-12	ACP

Prerequisite: Integrated Technology II or permission of instructor

This course completes the students' knowledge of Microsoft Office by continuing concepts and procedures for Microsoft Excel (spreadsheet) and Microsoft Access (data base). With completion of Microsoft Office, students will be prepared to enter college with a thorough knowledge of Windows and the operations of word processing, database, and spreadsheets. Instruction on MovieMaker will be offered. Students will learn how to use a digital video camera and computer to produce a video with transitions, titles, and sounds.

## BUSINESS LAW

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 semester	10-12	ACP

Prerequisite: none

This course covers contracts, consumerism, sales agreements, and other legal issues that students will encounter each day. Outside resources such as guest speakers and print and electronic media will be used. This class will provide students with an up-to-date look at issues that involve real-life situations that affect them now as well as in the future.

## PRINCIPLES OF BUSINESS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11-12	ACP

Prerequisite: none

This course serves to introduce students to the principles and practices that form the framework for the modern business enterprise and presents students with a broad overview of the activities that provide goods and services to society.

Students study areas of business ownership, finance, accounting, sales and marketing, human resource management, production, and purchasing. Additional areas of study include business terminology, planning, quality management, motivation, change management, and contemporary management practices.

An emphasis is placed on ethics and ethical decision-making. Students participate in team building and team-centered activities, prepare and deliver in-class presentations, and develop a research project/case study based upon an actual business. For more information see <http://www.becomethebest.com>

## ACCOUNTING I

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: none

Accounting I incorporates learning manual accounting skills with computer application accounting skills. Students learn the accounting cycle of service businesses and partnership and corporate merchandising businesses through the use of general journals, special journals, general ledgers, and subsidiary ledgers. This is a course for students who have a variety of career objectives. Students acquire accounting knowledge and skills needed for beginning accounting careers as well as for careers in related business fields. This course serves as a foundation on which to continue the study of accounting at the college level. Accounting information will also be used by students to make personal financial decisions about how to earn a living and how to use their personal income.

## ACCOUNTING II

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11-12	ACP

Prerequisite: Accounting I **and** permission of instructor

This course expands on topics learned in Accounting I while adding new topics about management accounting, cost accounting, not-for-profit accounting, and financial analysis. Accounting II helps qualify students for jobs and careers at higher levels than one year of study. It is an excellent background and preparation for college business and accounting courses and business majors. Research has proven that students who have successfully completed two years of high school accounting are more successful in their first year of college accounting than students without that background. The information acquired also provides useful tools for the new entrepreneur.

## PROGRAMMING AND APPLIED TECHNOLOGIES I

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	10-12	ACP

Prerequisite: none

This course provides fundamental and advanced concepts in computer programming and development of skills by practical application using the component-based approach. Course of study includes HTML, Cascading Style Sheets, scripting languages, ASP.NET, and VisualBasic.NET. Graphic design and digital photography are incorporated in our studies. E-commerce is examined from both technical and ethical viewpoints.

In addition to maintaining the Badin web site, students practice their skills creating individual domains that provide immediate feedback as to degree of success in achieving desired goals.

Problem definition and analysis, approaching solutions with logical planning, and application of learned skills to real-day problem solving are emphasized and are transferable to other areas of study. Students in this class participate in a scholarship competition while creating a website for a local non-profit organization.

## **PROGRAMMING AND APPLIED TECHNOLOGIES II**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	10-12	ACP

Prerequisite: Programming and Applied Technologies I **and** permission of instructor

This course builds on the programming skills acquired in Programming and Applied Technologies I.

Students will practice their programming skills on more advanced projects. New coding and language skills are acquired, including Adobe Acrobat, Visual Basic.NET and ASP.NET and advance scripting, primarily through supervised independent study.

Each student will also hone his or her code writing and analysis proficiencies while mentoring a group of first-year students. All students are expected to generate new original content for the Badin site as well as create a final site project.

## ***COURSE OFFERINGS OF THE ENGLISH DEPARTMENT***

## HONORS ENGLISH I—INTRODUCTION TO LITERATURE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	9	Honors

Prerequisite: placement determined by recommendation of eighth grade English teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

Student activities in Honors English I will emphasize a development of vocabulary, an understanding of basic grammar concepts, a working knowledge of the structure of a paragraph and a composition, an understanding of the short story as a literary genre, and an exploration of themes in literature through reading novels. Vocabulary development involves using and recognizing a given set of words. Students will be required to write sentences using the vocabulary words within the context of a sentence. Students will be required to recognize and use basic grammatical concepts. Students will be able to analyze the short story on both literal and interpretive levels. Students will demonstrate an ability to write a variety of written assignments. Compositions may include narrative essays, responses to tests, expository essays, research assignments, and a multi-genre composition. Honors students will also be required to give oral presentations on topics taken from the literature. Finally, students will be able to interpret common themes in literature.

## ACP ENGLISH I—INTRODUCTION TO LITERATURE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	9	ACP

Prerequisite: placement determined by recommendation of eighth grade English teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

Student activities in ACP English I will emphasize a development of vocabulary, an understanding of basic grammar concepts, a working knowledge of the structure of a paragraph, an understanding of the short story as a literary genre, and an exploration of themes in literature through reading novels. Vocabulary development involves using and recognizing a given set of words. Students will be required to recognize and use basic grammatical concepts. Students will be able to analyze the short story on both literal and interpretive levels. Students will demonstrate an ability to write a correctly structured paragraph. Finally, students will be able to interpret common themes in literature.

## **CP ENGLISH I—FUNDAMENTALS OF ENGLISH AND WRITING**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	CP

Prerequisite: placement determined by recommendation of eighth grade English teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

Student activities in CP English I will emphasize a development of vocabulary, an understanding of basic grammatical concepts, a working knowledge of the structure of a paragraph, and an understanding of short stories and novels as literary genres. Vocabulary development involves using and recognizing a given set of words. Students will be required to recognize and use basic grammatical concepts. Students will be able to answer literal-level questions and explore interpretive meanings based upon his/her reading of a short story or novel. The student will demonstrate the ability to write a correctly structured paragraph.

## **STANDARD ENGLISH I—BASIC SKILLS IN ENGLISH**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	Standard

Prerequisite: placement determined by recommendation of eighth grade English teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

Student activities in Standard English I will emphasize a development of vocabulary, an understanding of basic grammatical concepts, the ability to write in complete sentences, and an understanding of the short story on the literal level. Students will be required to recognize and use basic grammatical concepts. The student will be able to answer literal-level questions and explore interpretive meanings based upon his/her reading of a short story or novel. The student will demonstrate the ability to write a complete sentence and work toward writing a complete paragraph.

## **HONORS ENGLISH II—AMERICAN LITERATURE**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	10	Honor

Prerequisite: successful completion of English I honors or teacher recommendation

American literature is studied from a historical perspective. Students learn about historical events, culture, literary genre, authors, techniques, and vocabulary. Interpretation as well as comprehension is emphasized. Accompanying the literature study are grammar, vocabulary, and composition.

## ACP ENGLISH II—AMERICAN LITERATURE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	10	ACP

Prerequisite: successful completion of English I ACP or teacher recommendation

American literature is studied in chronological order (1607 to the present), noting historical events, culture, genre, authors, literary techniques, and vocabulary. While studying the material students are taught interpretation skills. Grammar, vocabulary, and composition are studied. ACP differs from honors in the depth and scope of study.

## CP ENGLISH II—FUNDAMENTALS OF ENGLISH AND WRITING

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	10	CP

Prerequisite: successful completion of English I at the same level or teacher recommendation

This course is a survey of America literature. The chronological study of American literature from the founding of the nation to the present is explored. Literature is examined with an emphasis on the historical context and literary value of works as they contribute to the development of the national character. There is an emphasis on basic grammar and writing skills, as well as the development of vocabulary.

## HONORS ENGLISH III—BRITISH LITERATURE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	11	Honors

Prerequisite: successful completion of English II at the same level or teacher recommendation

This course is a comprehensive study of British literature in chronological order. It considers cultural and literary history, genre, literary techniques, and content. Independent comprehension and interpretation are expected. Compositions and evaluations consistently address higher level thinking skills. Refining writing skills and vocabulary are also addressed.

## **ACP ENGLISH III—BRITISH LITERATURE**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	11	ACP

Prerequisite: successful completion of English II at the same level or teacher recommendation

This course is a survey study of British literature in chronological order. It considers cultural and literary history, genre, literary techniques, and content. A combination of teacher-guided and independent comprehension is employed to elevate students from literal level to interpretive level thinking skills. Compositions and evaluations address both literal and interpretive level thinking skills. Students strengthen basic writing techniques and begin to refine and polish their composition abilities. Vocabulary is also addressed.

## **CP ENGLISH III—FUNDAMENTALS OF ENGLISH AND WRITING**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	11	CP

Prerequisite: successful completion of English II at the same level or teacher recommendation

This course is a survey of British literature. With teacher guidance, cultural values and ideas are discussed in conjunction with literal comprehension of the content. Evaluations consist primarily of literal level questions. Solid basic writing skills are stressed. Vocabulary is also addressed.

## **AP ENGLISH LANGUAGE AND COMPOSITION**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	11	Advanced Placement

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, students should become aware of the interactions among a writer's purpose, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effective writing. The college composition course that the AP English Language and Composition course is intended to parallel is one of the most varied in the curriculum.

## AP ENGLISH LITERATURE AND COMPOSITION

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	12	Advanced Placement

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. The works chosen serve to invite and gratify rereading.

*Students enrolled in AP English courses are required to sign an attendance contract and to take the AP exam given in May at their cost.*

## HONORS ENGLISH IV—WESTERN LITERATURE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	12	Honors

Prerequisite: successful completion of English III Honors or teacher recommendation

Students of senior honors courses will be required to study advanced and expanded vocabulary words, to review and master grammar, to study various methods of compositions, and to read genres of literature. Students will be required to study a given set of literary terms and philosophies. Each student will write two book analyses on an assigned or approved novel or play; each student will write a research paper on an assigned or approved topic from Western literature, history, or science. In the writing of these papers, students will demonstrate the proper usage of grammar and methods of compositions. The students will study various philosophies, beliefs, and styles of writers dating from Greek literature to contemporary literature. The material covered in Honors English will be taken in depth.

## ACP ENGLISH IV—WESTERN LITERATURE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	12	ACP

Prerequisite: successful completion of English III at the same level or teacher recommendation

Students of senior ACP courses will be required to study advanced and expanded vocabulary words, to review and master grammar, to study various methods of compositions and to read genres of literature. Students will be required to study a given set of literary terms and philosophies. Each student will write a book analysis on an assigned or approved novel or play; each student will write a research paper on an assigned or approved topic from Western literature, history or science. In the writings of these papers, students will demonstrate the proper usage of grammar and methods of composition. The students will study various philosophies, beliefs, and styles of writers dating from Greek literature to contemporary literature.

## CP ENGLISH IV—FUNDAMENTALS OF ENGLISH AND WRITING

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	12	CP

Prerequisite: successful completion of English III at the same level or teacher recommendation

Students of CP English IV will be required to study vocabulary, grammar, composition, and Western literature. Vocabulary development requires recognizing and using a given set of words. Students will be required to apply basic grammatical concepts to their compositions. Students will be able to analyze works of Western literature on both the literal and interpretive levels. In addition to a research paper based upon an approved topic from Western literature, students will provide written analysis of several novels.

## SPEECH AND DRAMA

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11 & 12	ACP

In the speech portion of this course, students will be required to deliver a personal introduction speech, a how-to speech, an existing oration, and an original oration. In the drama portion of this course, students will be provided with an overview of the concepts involved in acting and drama production. The course begins with the study of one's inner resources, voice, and body movement. Characterization is then developed through various dramatic products. Elements of direction and production will be addressed.

## JOURNALISM

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: recommendation of current English teacher Preference is given to returning journalism students and seniors.

The class works to complete a number of articles in a given section and to sell an ad for each issue of the paper. Students will be given a journalism test each quarter over topics pertaining to Microsoft Publisher, libel, journalists, and journalism in general. Also, students may be asked to stay after school at least one day per issue. Five regular issues and one senior issue are produced each year. This course will enhance one's computer/typing, writing skills, and broaden critical thinking skills.

## PUBLICATIONS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: recommendation of current English teacher and completion of application process (please see current publications teacher). Preference, but no guarantee, is given to returning publication students and seniors.

The purpose of the publications course is to produce a yearbook each year. Students must prepare the yearbook, *Rampage*, for production. This includes all aspects of layout and design, photography and copy. Students will be responsible for all financial aspects of the book..

## ETYMOLOGY AND CRITICAL THINKING

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year (.5 Credit)	11-12	ACP

Prerequisite: none

This class is designed for juniors and seniors who are preparing to take important college entrance tests. **Etymology** is the study of the history of words — when and from what source they entered a language and how their form and meaning have changed over time. By studying word origins students will build a better vocabulary and acquire other skills necessary for the college entrance tests (i.e. ACT and SAT). In addition, this course will instruct the students in critical thinking skills and identification of their strengths and weaknesses as they complete practice tests in all areas of college entrance tests, including critical reading, writing, mathematics, and science.

# ***COURSE OFFERINGS OF THE FINE ARTS EPARTMENT***

## **Studio I**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	9-12	ACP

Prerequisite: none

Required for Art majors. Develop fundamental skills in drawing, such as reducing objects to their basic shapes, light and shadow, and texture. Perspective, proportion, and realism emphasized. Media includes graphite, charcoal, colored pencil, and ink. Skills improve rapidly.

## **Studio II**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	10-12	ACP

Prerequisite: none

Required for Art majors. Still life and the human figure are the focus. Development of personal style through abstraction, self-portraits, landscape, fantasy, and animation lead to a strong portfolio.

## **Design**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	9-12	ACP

Prerequisite: none

Recommended for Art majors. 2-D design is used to interpret the elements and principles of art. Learn to use the same tools every artist uses in their work. Realistic drawing skills are not necessary to be successful.

## **Graphics**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	10-12	ACP

Prerequisite: Studio I

Recommended for Art majors. The basics of graphic design and advertising art are emphasized. Explore the impact of typography, simplification, and abstraction. Work produced by hand and on computer.

## Painting 1

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: Drawing I, II

Recommended for Art majors. Introduction to tonal value, color theory, texture effects, and basic technique. Explores to the use of oil, acrylic, and water color paint on a wide variety of surfaces. E Also surveys of the history of paint as a medium for art making.

## Painting 2

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: Painting 1

Recommended for Art majors. Continuation of Painting 1. Development of personal painting style.

## 3D

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: none

Provides students with a foundation in the aesthetics and methods of 3D art making such as additive and subtractive sculpting, installations, and time based exhibits.

## Contemporary Fine Crafts

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	9-12	ACP

Prerequisite: none

Fine crafts such as batik, calligraphy, enameling, and book alteration allow students to learn about and produce art from an unconventional view. Realistic drawing skills are not necessary to be successful.

## Technical Drawing 1

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11-12	ACP

Prerequisite: none

Introduction of technical drawing techniques and fundamental design concepts. Students will create manual drawings and be introduced to computer-based drawings. These skills will be most beneficial for students considering careers in architecture, drafting or any technical-based career.

## Technical Drawing 2

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	12	ACP

Prerequisite: Technical Drawing 1

Students will learn how the elements and principles of design relate to the fields of architecture, industrial design, interior design, and package design through hands on projects. Students will also develop skills in multiple techniques of rendering including marker, pencil, colored pencil, and water color paint.

## Ceramics

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: none

Learn the basics of throwing on a potter's wheel and create ceramic sculpture. Realistic drawing skills are not necessary to be successful.

## Art and Society

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	½ year	9-12	ACP

Prerequisite: None

This class will explore, define and attempt to understand the age-old question "What is art?" For those of you who feel yourself to be artistically challenged, we will keep the production of artwork to a minimum.

## Photography

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1/2 year	9-12	ACP

Prerequisite: Art and Society

Both digital and traditional dark room photography are explored. Learn the basics of composition, camera use, Photoshop, and developing. Students need to supply their own cameras. Film, chemistry, and paper are supplied. Realistic drawing skills are not needed to be successful.

## Contemporary Performing Arts

Required/Elective	Course Length	Grade Level(s)	Academic Level
Requirement	1 year (.5 credit)	10 required 9, 11, 12 = elective	ACP

Prerequisite: None

Students will learn to use existing and newly learned music skills to create and perform live music in a variety of contemporary performance styles. In addition to singing, students may utilize piano/keyboard, guitar, percussion and other instrumental skills in the class. Students will also learn the basics of reading and interpreting modern music notation as found in lead sheets, fake books and Internet music publishing. No prior music experience is required. **More advanced musicians may find Concert Choir or Concert Band to be more appropriate for their skills.**

## Uncommon Crafts

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year (.5 credit)	9-12	ACP

Prerequisite: none

Students will focus on the production of artwork using readily available media in an unusual way. The subject matter of projects in Uncommon Crafts will be relevant to modern day society such as entertainment, current events, and social issues. Projects will include image transfers, thermo-reactive plastic, scrap booking, fiber arts, assemblage, jewelry making, etc.

## ***COURSE OFFERINGS OF THE FOREIGN LANGUAGE DEPARTMENT***

### **SPANISH I**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	9-12	ACP

Prerequisite: Grade 9: Recommendation of eighth grade English teacher and proficiency demonstrated by satisfactory scores on the Terra Nova tests and the Badin placement test for English

Grades 10, 11, 12: Recommendation of English teacher

Spanish I focuses on the basic communication skills: listening, speaking, reading, and writing. Along with the active practice of conversation and composition, basic vocabulary and the fundamentals of Spanish grammar are stressed. Appreciation of the culture of Spanish-speaking countries is cultivated through reading, discussions, and the use of audio-visual aids.

### **SPANISH II**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	10-12	ACP

Prerequisite: a grade of at least C in Spanish I **and** recommendation of Spanish teacher

Further vocabulary study stresses the practical use of Spanish, and expanded grammatical knowledge adds to the skills developed in Spanish I. Cultural knowledge and understanding are encouraged through reading, projects, and other activities.

### **SPANISH III & IV**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 year	11-12	ACP

Prerequisite: a grade of at least C in Spanish II **and** recommendation of Spanish teacher

For these two levels there is an alternating bi-yearly program. The purpose of the advanced levels is to enhance and refine the use of the skills learned during the first two years. Along with an intensive review, there is a continuation of vocabulary study and an introduction to advanced grammatical concepts. Reading of everyday situations and stories, short novels, and literary selections helps broaden knowledge of Hispanic culture and increase the ability to use the language.

## LATIN I

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	9-12	ACP

Prerequisite: Grade 9: Recommendation of eighth grade English teacher and proficiency demonstrated by satisfactory scores on the Terra Nova tests and the Badin placement test for English

Grades 10, 11, and 12: Recommendation of English teacher

Latin I is an introduction to the skills of reading and translation with an emphasis on learning an appreciation of the Roman culture's influence on modern civilization. The role of Latin in the development of other languages, particularly English, is emphasized.

## LATIN II

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-12	ACP

Prerequisite: a grade of at least C in Latin I **and** recommendation Latin teacher

This course encourages an advancement of the skills begun in Latin I. This goal is accomplished by the review of first year material and the introduction of new grammar and vocabulary. Reading and translation skills are emphasized.

## LATIN III

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11-12	ACP

Prerequisite: a grade of at least C in Latin II **and** recommendation of Latin teacher

Students continue to learn the language with a study of literature, emphasizing prose selections and Roman history.

## LATIN IV

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	12	ACP

Prerequisite: a grade of at least C in Latin III and recommendation of Latin teacher

Students continue the study of literature, emphasizing poetry.

## ***COURSE OFFERINGS OF THE MARKETING EDUCATION DEPARTMENT***

Marketing Education is dividing its course offerings into semester classes. A sophomore can either take marketing as a one-semester class or take it for the whole year. In order for a student to sign up for the program in their junior and or senior years they must sign up for two semester courses in that year.

In their senior year they will have the opportunity to earn academic credit by participating in work experience with early release. It is recommended if a student works only in the evening and weekends they maintain a full schedule of classes. Only those students who are in their second year of marketing classes will be permitted to have work release.

### **MARKETING —BUSINESS & MANAGEMENT FOUNDATION**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	9	ACP

Prerequisite: none

This course is an introductory course on the fundamentals of business and marketing technology. A technology driven class, the student will be exposed to new forms of doing business using the Internet. The student will analyze the role of technology in business. The class will be open to students in grades 9 and 10.

### **MARKETING I—BUSINESS & MARKETING MANAGEMENT LAW AND ETHICS**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	10-12	ACP

Prerequisite: none

The course is designed to give the student an understanding of the relationship between law and business. They will also explore and analyze present day ethical issues in the media and marketplace. The student will have the opportunity to be part of DECA.

### **MARKETING I—FINANCIAL MANAGEMENT**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	10-12	ACP

Prerequisite: none

This one semester course will cover introductory accounting, pricing, insurance and financial risks.

The student will have the opportunity to be part of DECA.

### **MARKETING I—E-COMMERCE**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	10-12	ACP

Prerequisite: None

This is a one-semester class in e-commerce/marketing. A technology driven class, the student will be exposed to new forms of doing business using the Internet. The student will analyze the role of technology in business.

## **MARKETING II**

**Note: a student signing up for marketing II will automatically be registered for both semesters.**

### **SEMESTER ONE: MARKETING/ECONOMICS**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	11-12	ACP

Prerequisite: None

One semester interactive economics course using “Thinking Economics’ and the Junior Achievement Program. The student will gain a working knowledge of our economic system of supply and demand as well as micro and macro-economics. The student will also be online competing in the “HP Global Challenge”.

The students participate in DECA and junior students have the opportunity to attend a marketing field trip to Chicago. Only students who take Marketing II will be eligible for work release as seniors.

### **SEMESTER TWO: EFFECTIVE COMMUNICATION**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	11-12	ACP

Prerequisite: None

This interactive course will deal with effective communications and self-development. A student will participate in International DECA.

## **MARKETING III—MARKETING PRACTICES**

**Note: a student MUST sign up for two semester of marketing technology.**

### **ONE SEMESTER: Small Business Marketing Management/Entrepreneurship**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	12	ACP

Prerequisite: Marketing II

The students will develop a new business of their choice. The program is designed to be part interactive with the use of SCAN software on developing a business plan and software developed by the Maryland Department of Education. The student will use an interactive software program “Go Venture”: a business simulation.

The students will participate in International DECA-an association of marketing students.

### **ONE SEMESTER: Marketing Advertising & Promotion**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	12	ACP

Prerequisite: Marketing II

This one course will allow the student to work with design principles and learn to create advertisements, radio and television commercials and design a website.

The student will have the opportunity to become part of Business Professional or DECA.

### **ONE SEMESTER: Sports and Entertainment Marketing**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	12	ACP

Prerequisite: Marketing II

The students will receive an introductory course in the sports and entertainment industry. They will analyze the growth and trends in the industry and the impact on the community.

The student s will participate in International DECA—an association of marketing students.

### **ONE SEMESTER: Business and Marketing Math**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	11-12	ACP

The student will receive a review of basic math skills as well as learning basic budgeting, insurance, inventory, depreciation, interest rates, opening and maintaining checking accounts as well as marketing pricing.

### **MARKETING III: Work Experience**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1-2 semesters	12	

Student who are in their second year of marketing studies have the opportunity to receive academic credit in their senior year by working in a marketing or business related field. This can be done during the school day, after school, evenings and/or weekends. Students participating in sports may be given the option to not work for grade during their sports season. The scheduling of academic courses will take precedence over the scheduling of early release for work experience

## ***COURSE OFFERINGS OF THE MATHEMATICS DEPARTMENT***

### **HONORS MATH I**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	Honors

Prerequisite: placement determined by recommendation of eighth grade math teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

This course is designed for the advanced freshman. This accelerated course covers all that is covered in Algebra I ACP, but in greater depth, and approximately the first five chapters of Algebra II.

### **ACP ALGEBRA I**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	ACP

Prerequisite: placement determined by recommendation of eighth grade math teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

This course is designed for the students with strong mathematical ability. Topics include the language of algebra, signed numbers, and solving equations, including the quadratic. Also covered are graphing functions, systems of equations, polynomials, and rational numbers.

### **INTRODUCTORY ALGEBRA I CP (Algebra I Part I)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	CP

Prerequisite: placement determined by recommendation of eighth grade math teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

This course is designed to cover the structure of the real number system. Emphasis is placed on reviewing basic arithmetic skills and learning signed numbers, graphing, and solving equations and systems.

## GENERAL MATH

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	9	Standard

Prerequisite: placement determined by recommendation of eighth grade math teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

In this course the emphasis is placed on reviewing basic arithmetic skills and learning fundamental algebraic concepts such as signed numbers, graphing, and solving equations and systems. Students at this level will receive more individualized assistance with these topics.

## HONORS MATH II

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	10	Honors

Prerequisite: Honors Math I and teacher recommendation

This course is designed for the student to complete the remaining chapters of Algebra II not covered in Honors I. The emphasis is on conic sections, logarithms, and trigonometry. During the second semester Euclidean geometry is studied. A graphing calculator is required for this course.

## EUCLIDEAN GEOMETRY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	10	ACP

Prerequisite: a grade of C in ACP Algebra I and teacher recommendation.

This course is designed so the student uses deductive thinking in the development of the basic theorems and postulates of Euclidean geometry. It integrates these formal concepts with problem solving involving triangles, polygons and circles and their application in area and volume. Some emphasis on proofs remains.

## PLANE GEOMETRY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	10	CP

Prerequisite: Introductory Algebra I

This course is designed for the student whose college or vocational plans involve minimal math content. Geometry is presented informally, placing emphasis on visualization and application of geometric concepts, and on the development of deductive reasoning, while omitting formal methods of proof. Major topics include the properties of points, lines, angles, polygons and circles in the plane.

## **INTERMEDIATE ALGEBRA I CP (Algebra I Part II)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	11	CP

Prerequisite: Introductory Algebra I and Plane Geometry

This course will continue the study of Algebra I not completed in the Introductory Algebra I course. Emphasis is placed on conceptualizing irrational numbers, evaluating systems, solving quadratic equations, factoring rational numbers and polynomials.

## **HONORS PRE-CALCULUS**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	11	Honors

Prerequisite: Honors Math II

This course is designed for students intending to take calculus or to enter any technical field of math or science. It is an extension of topics mastered in Algebra II and provides a broad background in several topics of advanced math including polynomial functions, analytic geometry, logarithms, trigonometry, matrices, probability and statistics. Real world applications are emphasized in each topic covered.

There is extensive use of the graphing calculator in this course.

## **ACP ALGEBRA II AND TRIGONOMETRY**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	11	ACP

Prerequisite: Algebra I

This course is designed to prepare students to work with more advanced mathematics and to give them the basic tools to apply algebra in other courses they may study. There is a strong emphasis on linear and quadratic functions, inequalities, real and complex numbers, and exponents. Matrices and statistics are also introduced. The second semester of this course includes the study of logarithms and trigonometry.

Graphing calculators are required for this course.

## CP ALGEBRA II AND TRIGONOMETRY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	11	CP

Prerequisite: Intermediate Algebra I

This class is designed to give the students whose college plans involve minimal math content the opportunity to complete the minimum of three math classes needed for many colleges. Topics covered are linear and quadratic functions, inequalities, real and complex numbers and exponents. These are not covered in as much depth as in ACP Algebra II, and less recall is necessary.

## ADVANCED PLACEMENT CALCULUS/HONORS CALCULUS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	12	Honors

Prerequisite: Honors Pre-Calculus and teacher's recommendation

This course is equivalent to college calculus I and II courses.. Concepts are introduced, basic proofs are demonstrated, and common differentiation and integration techniques are introduced. Real world applications are studied. Group work is emphasized. There is extensive use of the graphing calculator.

Students enrolled in this course are required to sign an attendance contract. Students may take the Advanced Placement Test at their own cost with the possibility of receiving college credit. Students may also participate in the Xavier University Collegium Program to receive college credit

## ACP PRE-CALCULUS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	12	ACP

Prerequisite: ACP Algebra II

This course is designed to offer a detailed review of polynomial functions, trigonometry, logarithms, matrices, probability and statistics and data analysis. Natural science and economic applications are emphasized. There is extensive use of the graphing calculator.

## PROBABILITY AND STATISTICS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	12	ACP

Prerequisite: ACP Algebra II

This course is designed to offer a survey of topics and techniques in Probability and Statistics. Methods used in college and professional research studies will be introduced. Topics includes: discrete and continuous probability functions, sampling, functions of sample statistics, statistical decision-making, curve fitting, design of experiments, and analysis of variance. There is extensive use of the graphing calculator.

## APPLICATIONS OF MODERN MATHEMATICS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	12	CP

Prerequisite: CP Algebra II

Application of Modern Math is a college preparatory math course for seniors who have completed Algebra II and are seeking a bridge to a basic freshman college math course.

The course extends some topics taken in Algebra II, emphasizing applications. These include topics in Management Science, Statistics, Computer Applications, and Decision Making.

# ***COURSE OFFERINGS OF THE PHYSICAL EDUCATION AND HEALTH DEPARTMENT***

## **PHYSICAL EDUCATION**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	10	Not applicable

Prerequisite: none

In this course students are taught the basic skills and rules for the team sports of volleyball, kickball, team handball, flag football, Frisbee football, softball, “tennis ball” baseball, and speed-a-way. To help develop rhythmic abilities as well as physical fitness, the aerobics and exercise units are presented. Fitness skills in cardiovascular endurance, flexibility, agility, and strength are emphasized throughout the entire course.

## **HEALTH**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	9	Not applicable

Prerequisite: none

This is a flexible health program stressing up-to-date topics with varied informal group work. Students are motivated to take responsibility for their own health and well-being. The subject matter of this course includes nutrition, mental and emotional health, substance use and abuse, physical fitness, communicable and non-communicable diseases, and basics in first aid.

## **CO-ED FITNESS AND WEIGHT TRAINING CLASS**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	12	Not applicable

Pre-requisite: none

Fitness and Weight Training is an elective class for seniors. The class will meet in the Terry Malone Weight and Fitness Room in the Pfirman Family Activity Center. This class will be an introduction to the fundamental principles of weight training and aerobic fitness. Throughout this course the students will have an opportunity to develop strength, endurance, flexibility, coordination, and power by executing specific exercises and activities. Students will chart their progress throughout the semester. There will be fitness tests administered at the start, at midterm, and at the end of the semester to determine the improvements of each class member. Admittance will be selective for those who have a passion for exercise and fitness. Fitness and Weight training will be strenuous, yet enjoyable for the dedicated student.

## ***COURSE OFFERINGS OF THE RELIGION DEPARTMENT***

### **OLD TESTAMENT (Religion I)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	9	ACP

Prerequisite: none

This course introduces students to the Hebrew Scriptures. Modern methods of biblical study and interpretation are utilized to teach students how to understand the Scriptures in their original context. People, places, events and ideas are studied as interconnected parts of God's saving activity in history.

### **NEW TESTAMENT (Religion I)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	9	ACP

Prerequisite: none

The focus of this course is the Christian Scriptures. While emphasis is placed on the person of Christ and the content of the Gospels, the letters of Paul and other select writings will be studied. Attention is paid to authorship and properly interpreting the Scriptures in light of their literary forms.

### **CHURCH HISTORY (Religion II)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	10	ACP

Prerequisite: none

This course focuses on the development and history of the Catholic Church from Judaism to the present. By studying how the Church responded to unique challenges through history, such as the Roman persecutions, the Protestant Reformation, and the modern world, students will gain a better understanding of the significance of the Church in their lives and the world today.

## **FUNDAMENTALS OF CATHOLISM/SACRAMENTS (Religion II)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	10	ACP

Prerequisite: none

This course is designed to provide students a brief overview of the Catholic faith and sacraments. The first half of the course will explore the invisible qualities of God, the nature of the Church, and human destiny. The second half of the course will focus on the historical development of the seven sacraments and their meaning in the lives of Catholic Christians.

## **CATHOLIC MORAL TEACHING (Religion III)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	11	ACP

Prerequisite: none

This course examines how humans should act based on being created in the image of God. Grounded in the Catholic moral tradition of virtue and character development, emphasis is placed on the interior decision making process. Additionally, this course is designed to help students clarify and articulate what the Catholic Church teaches about various moral issues of the day, such as stem-cell research and cloning.

## **CATHOLIC SOCIAL TEACHING (Religion III)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	11	ACP

Prerequisite: none

This course investigates social issues that call for a Christian response. Specifically, it seeks to teach students how to respond to concerns such as poverty, hunger, war, capital punishment, and immigration in light of Catholic social teaching. These teachings become especially important when human lives and human dignity are at stake.

## **CHRISTIAN LIFESTYLES (Religion IV)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	12	ACP

Prerequisite: none

This course explores the many decisions Christian men and women face in life. The basic human need for genuine love, intimacy, communication and careers are taught in the context of single, married, and religious lifestyles. Emphasis is placed on celibacy, chastity, sexuality, and dating within a solid foundation of Catholic values.

## **COMPARATIVE RELIGIONS (Religion IV)**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 semester	12	ACP

Prerequisite: none

This course offers students an objective study of the basic beliefs, symbols and rituals of several non-Christian religions. Students will be given tools to examine both the common themes and the differences between religions. Because Vatican II affirmed that the Catholic Church rejects nothing which is “holy and true” in other religions, this course will challenge students to be accepting, respectful, and understanding of people from different religious backgrounds.

## **SERVICE LEARNING I & II**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Elective	1 semester	11-12	ACP

Prerequisite: none

Service Learning combines classroom study of volunteerism, service, and philanthropy with field experience serving in our local community. The student will spend 1 ½ hour per week per semester in the field. A student will choose their placement from a list of approved agencies. The student will attend class for the first two and the last two weeks of the semester and will be in class every Monday and Friday throughout the semester. Students will be required to perform 4 hours of service on their own time during the semester in addition to the 20 hours performed during the school day. Transportation will be provided by students with parent permission and insurance verification.

# ***COURSE OFFERINGS OF THE SCIENCE DEPARTMENT***

## **HONORS BIOLOGY**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	Honors

Prerequisite: placement determined by recommendation of eighth grade science teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

All students are placed into levels of biology by their class rank. Honors biology is for the top students in the class. It is a survey course that includes biochemistry, cell structure and function, genetics, evolution, classification, ecology, and a presentation of the kingdoms. Lab work and research methods are stressed. Students are encouraged to see the link between their attitudes and behaviors and the natural world. Several projects are required throughout the year.

## **ACP BIOLOGY**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	ACP

Prerequisite: placement determined by recommendation of eighth grade science teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

The majority of students taking biology will be placed into the ACP level. Biology is the study of life and will include learning about biochemistry, the cell, genetics, evolution, ecology, taxonomy and a survey of the kingdoms. The students will strengthen learning by performing various laboratory activities and completing projects.

## **CP BIOLOGY**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	CP

Prerequisite: placement determined by recommendation of eighth grade science teacher and level of proficiency demonstrated by scores on the Terra Nova tests and the Badin placement test

CP biology is for the student who has difficulty keeping current with the workload in advanced courses. The topics covered include biochemistry, the cell, genetics, evolution, ecology, taxonomy, and a survey of the kingdoms. Hands-on work is emphasized.

## INTEGRATED SCIENCE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 year	10	CP, ACP

Prerequisite: signature of biology teacher

Integrated science will show the relationships among the environmental, physical, chemical, and biological factors of the Earth. This course will review and build on concepts learned in previous science courses. Students will explore various issues in science. Extensive lab opportunities will help students explore these relationships. This course will also help prepare students for the Ohio Graduation Test.

## HONORS CHEMISTRY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	10-11	Honors

Prerequisite: signature of biology teacher **and** current math teacher

This course is an independent work-oriented survey course of major topics in chemistry for top academic students. Topics covered include matter and energy, atomic theory, chemical bonding, chemical reactions, acid/base chemistry and oxidation-reduction. Lab work, monthly projects, and independent reading supplement the material covered in the course.

## ACP CHEMISTRY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11	ACP

Prerequisite: signature of current teacher required and concurrent enrollment in or completion of Algebra II-Trigonometry strongly recommended

This course is a traditional survey course of major topics in chemistry. Topics covered include matter and energy, atomic theory, chemical bonding, chemical reactions, acid/base chemistry and oxidation-reduction. This course is lecture-based and also includes laboratory work and projects.

## CP CHEMISTRY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11	CP

Prerequisite: signature of current science teacher

This is a consumer-oriented chemistry course for the student not planning a science-related career. The mathematics of chemistry is not emphasized. Some of the units include water chemistry, food chemistry, nuclear chemistry, and chemistry of health. The course is lecture-based but also includes lab work and projects.

## AP BIOLOGY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11 or 12	Advanced Placement

Prerequisite: successful completion of biology and chemistry and recommendation of current science teacher

(The course is open to juniors and seniors but seniors will be given first priority.)

The Advanced Placement biology course is designed to be the equivalent of a college introductory biology course usually taken by biology majors their first year. This course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Emphasis is placed on the following topics: molecules and cells; heredity and evolution; and organisms and populations.

Students enrolled in this course are required to sign an attendance contract and to take the AP exam given in May at their cost.

## PHYSICS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11 or 12	Honors

Prerequisite: concurrent enrollment in calculus or pre-calculus and signatures of the student's math and science teachers

This course is a study of the concepts and processes critical to understanding matter and energy and the physical universe. Emphasis is placed on mechanics (two quarters), wave phenomena, electricity, and magnetism. The course will stress problem-solving skills, reading comprehension, and technical writing.

## HONORS PHYSIOLOGY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11 or 12	Honors

Prerequisite: chemistry and the signature of the chemistry teacher

Honors physiology is an intense and detailed study of the anatomy, physiology and pathology of the human body. Long and short-term research projects are required. Laboratory work and other hands-on activities will be used to reinforce the concepts presented.

## ACP PHYSIOLOGY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11 or12	ACP

Prerequisite: chemistry and the signature of the chemistry teacher

This course is a survey of the systems of the human body. The emphasis is on the anatomy, physiology and the pathology of each system. Various laboratory and research activities will be used to reinforce basic concepts.

## SENIOR SCIENCE: Human Body

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 semester	12	CP

Prerequisite: signature of most recent science teacher

This course is structured for the non-science major. The students will gain an overall knowledge of the systems of the human body. The students will also learn more about the various medical tests and procedures that they have already experienced or may experience later in life. The course is lecture-based but supplemented with labs and projects.

## SENIOR SCIENCE: Earth and Space

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 semester	12	CP

Prerequisite: signature of most recent science teacher

This course is structured for the non-science major. The students will study the universe, the U.S. space program, rocketry, and meteorology. The course is lecture-based but supplemented with labs and projects.

## ***COURSE OFFERINGS OF THE SOCIAL STUDIES DEPARTMENT***

### **WORLD HISTORY**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	9	ACP

Prerequisite: none

This is a survey course of Western civilization that covers the antiquity of humans to the Atomic Age. The course concentrates on the period from 1648 to the present. In-depth studies include the major events that have changed world history. Integration of material pertinent to the OGT will also be an integral part of this course.

### **UNITED STATES HISTORY I: Colonial Era to 1877**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	10	ACP

Prerequisite: none

This is a survey course that covers: colonial beginnings, the American Revolution, political and social reform movements, the industrial revolution, the Civil War, Reconstruction and post-Civil War industrialization. The course will include the study of the social, political, and economic issues of the time. . Integration of material pertinent to the OGT will also be an integral part of this course.

### **UNITED STATES HISTORY II: 1877 to Present**

<b>Required/Elective</b>	<b>Course Length</b>	<b>Grade Level(s)</b>	<b>Academic Level</b>
Required	1 year	11	ACP

Prerequisite: none

This is a survey course that covers: Imperialism, the Progressive movement, World War I and World War II, the Depression, Cold War and post-Cold War eras. The course will include the study of the social, political, and economic issues of the time.

## AP UNITED STATES HISTORY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	11	AP

Prerequisite: Students must meet specific requirements in rank, GPA, and the PSAT. Students must also have teacher recommendation. See current teacher for details and contract.

This course is designed to provide student with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. Students will learn to assess historical materials—their relevance to a given interpretive problem, reliability and importance—and to weigh the evidence and interpretations presented in historical scholarship. Themes in AP U.S. history include: American Diversity, American Identity, Culture, Economic Transformations, Politics and Citizenship, Religion, and War and Diplomacy.

Students enrolled in this course are required to sign an attendance contract and to take the AP exam given in May at their cost.

## AMERICAN GOVERNMENT

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 semester	12	ACP

Prerequisite: none

The course is an analytical study of the evolution of self-government in the United States. The subject includes an in-depth study of the Constitution with emphasis on the three branches of government and the Bill of Rights.

## CURRENT ISSUES

Required/Elective	Course Length	Grade Level(s)	Academic Level
Required	1 semester	12	ACP

Prerequisite: none

This course is required unless the student is enrolled in Economics. This course will examine major issues in current affairs in the nation and world. The historic background, causes, and potential results of important issues will be analyzed.

## ECONOMICS

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 semester	12	ACP

Prerequisite: recommendation of United States history teacher

The course is a systematic study of the American economic system. Other major economic systems are analyzed, and the role of America in a global economy is explored.

## AP GOVERNMENT

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year	12	AP

Prerequisite: Recommendation of social studies teacher.

This course is a comprehensive study of the operation of the American national government. Students successfully completing this course will know important facts, concepts and theories pertaining to U.S. government and politics, understand typical patterns of political processes and behavior, and be able to analyze and interpret basic data relevant to U.S. government and politics. Course includes study of the Constitution, policy-making institutions, political parties, civil liberties, and budget making.

Students enrolled in this course are required to sign an attendance contract and to take the AP exam given in May at their cost.

## PSYCHOLOGY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year (.5 credit)	11-12	ACP

Prerequisite: none

This course will include study of the following topics: history of psychology; introduction to the nervous and endocrine systems; methods of behavior study; disorders and their treatment; social and emotional development; personality development and psychological testing.

## DEBATE

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year (.5 credit)	11-12	ACP

Prerequisite: none

This course will familiarize students with the basic rules of rhetoric, tracing the history of persuasive techniques from the ancient Greeks and Romans to the modern era. It will examine the psychological components of interpersonal communication, analyzing how lived experience and personality type influence the processing of communicated messages. The course will place a heavy stress on applied principles, with students learning and practicing effective techniques of persuasion.

## GEOGRAPHY

Required/Elective	Course Length	Grade Level(s)	Academic Level
Elective	1 year (.5 credit)	9-12	ACP

Prerequisite: none

This course will familiarize students with the basic concepts of geography. It will introduce the physical, political, cultural, and economic geography of countries and regions throughout the world. It will also explore the relationship between geography and human behavior, with a stress on analyzing the connection between human habitat and human adaptation. The course will involve the extensive use of maps and will emphasize map-and-chart-reading skills accordingly.

## POLICY FOR DROPPING/ADDING COURSES

A student may obtain permission to drop a course and to add a **different** course **only** during the first **two weeks** of the first quarter for a year or semester course. The cost for the course change will be fifty dollars.

To drop a course from a particular academic level and to add the same course at a different academic level, a student may obtain permission until interim reports are issued during the first quarter of a year or semester course. Please note that a student who changes the academic level of a course may not change levels again for the next school year. The cost for the course change will be fifty dollars.

If it is necessary for a student to drop a course after the time intervals specified above, the student must contact his guidance counselor. A meeting of student, parents, teachers and counselor **must** take place before any change will be considered. The cost for the course change will be fifty dollars.

A teacher may request that a student change academic levels at any time. The teacher will initiate the change by contacting the student's guidance counselor. The student will not be charged if the course change is made.