

COURSE DESCRIPTION BOOK

2012-2013

The Course Description Book is designed to help students and parents plan their programs of study from the variety of courses offered at Marion High School. Students should plan their high school programs with the help of their parents, counselors, and teachers. This booklet provides information about graduation requirements, scheduling, and other areas of interest. Each course is listed with the grade level, prerequisites and course description. This booklet is intended to assist students in making educational decisions about their high school programs. Courses in this booklet will be offered as described contingent upon budget restraints, student interest, curriculum changes and faculty availability.

Principal:

Dr. Steve Smith

GUIDANCE DEPARTMENT

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Cover Design:

MHS Commercial Art Class

GRADUATION REQUIREMENTS

ENGLISH	4 Credits	Freshman, Sophomore, Junior, Senior year
MATH *	3 Credits	Freshman, Sophomore Junior year
SCIENCE	2 Credits	Freshman, Sophomore
HEALTH	1/2 Credit	Freshman year
GLOBAL STUDIES	1 Credit	Sophomore year
AMERICAN HISTORY	1 Credit	Junior year
U.S. GOVERNMENT	1/2 Credit	Senior year
CONSUMER ECONOMICS**	1/2 Credit	Junior year
FRESHMAN SEMINAR	1 Credit	Freshman year
PHYSICAL EDUCATION	3 1/2 Credits	1 semester Freshman year, all year every other year
ELECTIVES	to equal 27 credits	

*3 years of Math must include Algebra and Geometry.

**Consumer Economics may be waived by successfully completing Business Concepts 1 & 2.

Weighted Grades Policy

A student's overall GPA can be above a 4.0 based on the number of weighted courses they take. Weighted courses receive additional quality points of either 0.5 or 1.0 depending on the course's "weight." A student's class rank will be based on grade point average. Quality points are as follows:

Grade	Regular	0.5 Weight	1.0 Weight
A	4.0	4.5	5.0
B	3.0	3.5	4.0
C	2.0	2.5	3.0
D	1.0	N/A	N/A
F	0.0		

The following courses will receive additional weight:

- Honors English I (0.5)
- Honors English II (0.5)
- Honors English III (0.5)
- AP Literature (1.0)
- AP Language & Composition (1.0)
- Honors Geometry (0.5)
- Honors Algebra 2 (0.5)
- Pre-Calculus (0.5)
- AP Calculus (1.0)
- AP Chemistry (1.0)
- AP Biology (1.0)
- Physics (1.0)
- AP World History (1.0)
- AP American History (1.0)
- Spanish 3 (0.5)
- Spanish 4 (1.0)
- Spanish 5 (1.0)
- French 3 (0.5)
- French 4 (1.0)
- Latin 3 (0.5)
- Latin 4 (1.0)
- AP Art (1.0)
- AP Microeconomics (1.0)
- AP Macroeconomics (1.0)
- Accounting 2/Pilot & Bridge Project (1.0)

ATHLETIC P.E.

Participants in sports during the **Senior year** will have the option of taking a P.E. class **OR** receiving P.E. credit for the sport in which they participate. Credit for P.E. can be earned only for the semester affected by the sport. Hence, only basketball, wrestling, bowling, PomPon and cheerleading qualify for credit during both semesters. Failure to complete the season constitutes a failing grade (grade of F) in Athletic P.E. The prerequisite for enrollment in Athletic P.E. is participation in the sport during the previous school year.

MARCHING WILDCAT BAND P.E. CREDIT

Participants in Marching Wildcat Band during the Junior and Senior year will have the option of taking a P.E. class **OR** receive P.E. credit for participating in Marching Band. Credit for P.E. can be earned only during the fall semester when the Marching Band is active. Failure to complete the season constitutes a failure grade (grade of F) in Marching Band P.E. The pre-requisite for enrollment in Marching Band P.E. is participation in the Marching Band during the previous school year.

VOLUNTEER WORK CREDIT

Students may earn one credit toward graduation for community service work. A student must submit the required application form, available from the guidance counselor, to the principal **in advance of the planned service work.** The request must include parental approval, approval from the cooperating agency official, a list of planned activities, and a proposed timeline for completion. Community service work performed as part of a course assignment, disciplinary measure, or as a paid position is not eligible. Students receive credit but no grade for community service. (75 hours = .5 credit 150 hours= 1 credit)

EARNING ADDITIONAL GRADUATION CREDITS

Students may earn additional credits at a community college, alternative high school or correspondence school. Students taking required courses through an alternative or correspondence school must have attempted the course at Marion High School and earned a failing grade. **All courses taken for graduation credit must have the approval of the guidance counselor and the principal prior to enrolling.**

SCHEDULE CHANGES

Students and parents are encouraged to give time, thought, and attention to the selection of courses each year. Students are encouraged to make necessary schedule changes during the summer or the week prior to the start of school. **All schedule changes must be made before the first day of school.** If a student requests a schedule change after the start of the semester, the request will be denied unless unusual circumstances dictate that the change be made in the interest of the student's health or safety. No full year class may be changed at the semester unless the student is failing the class. **No schedule changes will be made to change a student's lunch hour or to change teachers!**

ADVANCED PLACEMENT COURSES

The Advanced Placement (AP) Program sponsored by the College Board and administered by the Educational Testing Service, offers high school students the opportunity to participate in challenging college-level course work while still in high school. Students can receive college credit, advanced placement, or both from thousands of colleges and universities that participate in the AP program. The AP examinations are administered each May. AP classes are offered in: Biology, Chemistry, Literature, Language & Composition, Calculus, American History, World History, Microeconomics, Macroeconomics and Studio Art.

SUMMER SCHOOL

Summer school courses are offered in the basic subjects which include: Global Studies, American History, Government, Consumer Economics, Remedial English, Remedial Algebra I, Physical Science A & B, Health and Driver Education. Summer school registration begins **JANUARY 31st**, 7:30 am in the upper cafeteria **and courses will be filled on a first-come, first-served basis.** Course sizes are limited. Payment in full is required to sign up for a summer school class.

NCAA SCHOLARSHIPS

The National Collegiate Athletic Association has set specific course patterns, number of core courses, grade point averages and ACT/SAT scores in order to be eligible for a Division I or Division II athletic scholarship. At the end of the Junior year the students should register with the NCAA Clearinghouse. Students are encouraged to register on-line. Limited applications are available in the Guidance Office. **IT IS CRUCIAL FOR STUDENTS AND PARENTS TO BECOME FAMILIAR WITH THE CLEARINGHOUSE RULES AS SOON AS A STUDENT ENTERS HIGH SCHOOL.** Courses at Marion High School designated as "NCAA Core Courses" are clearly marked in this course description book. All questions should be directed to the student's guidance counselor.

COLLEGE PREPARATION

Because colleges and universities have a good deal of freedom to set admission standards (which include test scores, class rank, high school course patterns, and grades) for their particular school, admission standards can vary widely from school to school. Often several different admission standards exist within a single university or college, depending on the major the student wishes to study.

Because of this, it is virtually impossible to develop a course of study in high school which is guaranteed to meet admission requirements for every college or university nationwide. STUDENTS INTERESTED IN ATTENDING A PARTICULAR FOUR YEAR COLLEGE OR UNIVERSITY SHOULD CHECK WITH THEIR GUIDANCE COUNSELOR FOR SPECIFIC ADMISSION POLICIES.

BASIC COLLEGE PREPARATION: It is possible, however, to recommend a pattern of high school courses which should meet the entrance requirements at most colleges and universities. In general, any student who plans on working toward a four year college degree is strongly urged to have the following high school course pattern. This is the required course pattern for admission to Illinois public universities:

- 4 years of English
- 3 years of Social Studies
- 3 years of Math (Algebra 1 and higher)
- 3 years of Science
- 2 years of Foreign Language or Fine Arts

Students enrolling in one and two year technical programs at Community Colleges are not affected by these requirements. Private colleges and universities in Illinois and out-of-state schools will have their own specific entrance requirements.

FAILURE TO MEET AN ADMISSION PATTERN

Depending upon the individual college or university, students who do not meet the high school course pattern requirements might still be admitted on a provisional basis. These students may be required to take non credit courses in college in order to meet the course pattern requirement.

JOHN A. LOGAN COLLEGE DUAL CREDIT CLASSES

For all dual credit classes, all students in the class must meet college entrance requirements.

**PLANNING YOUR FOUR YEAR
HIGH SCHOOL PROGRAM**

FRESHMAN YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

SOPHOMORE YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

JUNIOR YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

SENIOR YEAR

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

*BTW (Driver's Education) is assigned by birth date, with oldest students driving first. Illinois law requires that a student must pass eight classes the previous two semesters before taking Driver's Education.

Attn: FRESHMEN – If you will be 15 years old before 10/15/12, sign up for 1st semester PE/BTW. If you will be 15 between 10/16/12 and 3/25/13, sign up for 2nd semester PE/BTW.

COURSE OFFERINGS

ENGLISH (Pg. 10)

English 1
English 2
English 3
Honors English 1
Honors English 2
Honors English 3
Advanced Placement Literature
Advanced Placement Language & Comp
English Literature 1
Novel
Short Fiction
Strategic Reading
Research Writing
Creative Writing
Poetry
Mythology & Folklore
Oral Communications 1
English Enrichment

WORLD LANGUAGES (Pg. 13)

Spanish 1,2,3,4
French 1,2,3,4
Latin 1,2,3,4
American Sign Language 1&2

OPTIONAL ELECTIVES (Pg. 39)

Yearbook Production 1
Media Resources
Office Occupations

***DUAL CREDIT COURSES**

Spanish 3&4
Accounting 1, 2/Pilot & Bridge Project
Advanced Computer Concepts
Cooperative Career & Technical Education
Medical Terminology
Certified Nursing Assistant
Child & Day Care Services 1&2
Transportation and Auto Tech 1 & 2
Computer Aided Drafting
American Sign Language 1
AP Language & Comp
Art Appreciation
Construction 2

MATHEMATICS (Pg. 15)

Algebra 1
Geometry
Honors Geometry
Algebra 2
Honors Algebra 2
Statistics
Mathematical Connections
Pre-Calculus
Advanced Placement Calculus

SCIENCE (Pg. 18)

Physical Science
Environmental Science
Biology 1
Anatomy & Physiology
Advanced Placement Biology
Chemistry 1
Advanced Placement Chemistry
Physics
Bio Science & Ag Applications
Astronomy
Lab Science (Forensic Science)
Animal Science/Pre- Vet Studies

FINE ARTS (Pg. 26)

Art 1,2,3,4
Art Through The Ages
Three Dimensional Art
Commercial Art 1&2
Advanced Placement Studio Art
Freshman Choir
Women's Choir
Concert Choir
Jazz Choir
Band
Music Theory
World Music
Music History
Drama 1 & 2
Guitar

BUSINESS (Pg. 21)

Freshman Seminar
Business Concepts 1&2
Medical Terminology
Business & Medical Ofc Tech
Reprographics
Computer Concepts
Advanced Computer Concepts
Introduction to Multimedia
Advanced Multimedia
Web Site Development
Web Site Development 2
Beginning Programming and Game Design
Accounting 1
Accounting 2/Pilot&Bridge Project
Marketing &Business Ownership
Cooperative Career & Technical Education
(CCTE)
Business Practicum
Investments
Business Law
Advanced Placement Microeconomics
Advanced Placement Macroeconomics
Advanced Marketing & Business Ownership
Basic Computer Systems
Sports and Entertainment Business

SOCIAL STUDIES (Pg. 17)

Global Studies
American History
Advanced Placement American History
Government
Sociology
Psychology
Advanced Placement World History

CAREER/TECHNICAL (Pg. 30)

Consumer Economics
Auto Mechanics 1
Transportation/Auto Tech 1 & 2
Introduction to Car Care & Maintenance
Introduction to Agriculture Industry
Animal Science/Pre- Vet Studies
Agricultural Mechanics and Technology
Biological Science & Ag Application
Landscaping & Turf Mgmt 1 & 2
Drafting 1, 2, 3
Computer Aided Drafting 1 &2
Architectural Drafting and Design
Introduction to Construction
Construction 1
Construction 2
Building Trades 1 & 2
Orientation to Health Careers
Medical Lab Tech 1
Certified Nursing Assistant
LIFE 1 &2
Adult Living
Parenting
Child Development
Child & Day Care Services 1 & 2
Clothing & Textiles 1 & 2
Fashion Merchandising 1 &2
Food & Nutrition 1 & 2
Pro-Start Food Services 1 & 2
Cooperative Career & Technical Education

HEALTH/DRIVER EDUCATION (Pg. 36)

Health
Driver Education

PHYSICAL EDUCATION (Pg. 37)

Physical Education 9/10
Physical Education 11/12
Weight Training/Fitness P.E.
7th hr Sports P.E.
Athletic P.E.

**SPECIAL EDUCATION CLASSES
(Pg. 39)**

ENGLISH

Four years of English are required for graduation. English I, English II and English III are taken in the freshman, sophomore and junior years. Seniors may choose from a variety of electives. All English classes are writing intensive. Semester courses require a minimum of three major papers; two semester courses require a minimum of six major papers.

HONORS ENGLISH APPLICATION PROCESS: Applications for Honors English will be accepted from ANY interested student in the spring of each school year. Students who have demonstrated academic strengths in the language arts are encouraged to apply for entry into Honors English for the following year. Students will submit a portfolio of ALL of their writing from the previous year, which needs to include unrevised writing, literary analysis, creative writing, and timed writing. This portfolio, along with teacher recommendation, will be submitted to the department's selection committee. The committee will consider portfolios (with the above listed writing) and recommendations in making final decisions for placement. Students must maintain an A or B average in order to remain in the program and must re-apply each year.

100 ENGLISH I – (1 credit; one year) 9 (NCAA Core)

Freshman literature is an introduction to the high school English program. It bridges the gap between eighth grade "reading" and high school "literature," a step students often find difficult to make. In English I students must learn to read in depth. Students will also be expected to write more objective, academic themes. A minimum of six major papers will be required. M.L.A. documentation will be introduced. Critical thinking and writing as a process will be emphasized. 01001A000

101 HONORS ENGLISH I – (1 credit; one year) 9 (0.5 weight) (NCAA Core)

Prerequisite: Honors Application Process; Department Consent

This advanced course will cover the material in English I in addition to challenging the student at an advanced level. Students will be required to complete a greater number of assignments, such as required summer reading and additional homework and projects. Students must maintain an A or B average in the course in order to remain in the Honors English program. 01001A000

103 ENGLISH II – (1 credit; one year) 10 (NCAA Core)

The course structure involves a thematic approach to the study of literary forms and techniques. Composition skills will be developed through the ongoing exploration of the writing process. All English II students will complete a research paper. 01002A000

104 HONORS ENGLISH II – (1 credit; one year) (0.5 weight) 10 (NCAA Core)

Prerequisite: Honors Application Process; Department Consent

This advanced curriculum will expand upon the material required in English II. The course will require summer reading, out of class projects, and a more intensive writing regimen. Students will be introduced to the Socratic Method as means to develop speaking and listening skills. Students must maintain an A or B average in the course in order to remain in the Honors English program. 01002A000

105 ENGLISH III – (1 credit; one year) 11 (NCAA Core)

The course will present the chronological development of American literature from the Native American period to the Contemporaries. Short stories, poetry, essays, and novels in fiction and nonfiction will be studied. Discussion will follow each reading. This course will be writing intensive with a variety of writing assignments utilizing research and/or analytical thought. 01003A000

133 HONORS ENGLISH III – (1 credit; one year) 11 (0.5 weight) (NCAA Core)

Prerequisite: Honors Application Process; Department Consent

Designed for the serious student of literature, this class will work in conjunction with the AP Literature course to prepare college bound students for the rigors of college coursework as well as the AP English test. This year-long course focuses on the progression of American literature through a variety of genres. Students will be expected to complete summer reading. Students will produce a variety of written work as well as being introduced to the AP writing format. Students must maintain an A or B average in the course in order to remain in the Honors English program. 01003A000

110 ADVANCED PLACEMENT LITERATURE – HONORS ENGLISH IV

(1 credit; one year) (1.0 weight) 12 (NCAA Core)

Prerequisite: Honors Application Process; Department Consent

Honors Senior English is a class college bound seniors may take in order to prepare themselves to take the Advanced Placement test. Students who pass this test may earn college credit. This course will not only familiarize students with the format of the AP test, but will also offer students the opportunity to write a variety of papers and read major English, American, and international authors of both poetry and prose. Summer reading and writing are required. 01006A000

***130 ADVANCED PLACEMENT LANGUAGE AND COMPOSITION** – (1 credit; one year) (1.0 weight) 12 (NCAA Core) (JALC Dual Credit)

(Prior participation in the Honors English program is NOT required.)

Students must have scored a 21 or higher in Reading and English on the ACT to enroll in this class. Designed for the college bound student, this course prepares students for effective and confident college writing. Students will examine rhetoric and argument by reading wide variety of primarily nonfiction texts, analyzing visual media, honing college-level research skills, and writing for a variety of purposes. Students will prepare for the AP Language and Composition test, and those who pass this test may earn college credit. Summer reading and writing are required. Students can earn dual credit at JALC or other participating institutions. 01005A000

106 SURVEY OF ENGLISH LITERATURE I – (.5 credit; one semester) 12 (NCAA Core)

Designed for the college-bound student, this course will present the chronological development of English literature from the Anglo-Saxon period to modern writers. A selection of various types of literature from each literary age will be studied. Composition and discussion based on the reading will be required, including a minimum of three major writing assignments. 01056A000

107 THE NOVEL – (.5 credit; one semester) 12 (NCAA Core)

Designed for the college bound student, this course requires five novels to be read by the class and offers each student an opportunity to select two additional novels from an accepted list. Emphasis is on in-depth study of each novel and its author's writing style, plus philosophical and historical implications of the work. Analytical theme writing over each novel is required. 01061A000

108 SHORT FICTION - (.5 credit; one semester) 12 (NCAA Core)

Designed for the student interested in studying various aspects of the short story, including literary elements, literary periods, and literary criticism. Various authors and writing styles will be explored and philosophical writing concepts and their historical significance will be addressed. The purpose of this course is to develop an understanding of the short story's origin, content, and style. This course will include analytical writing and oral presentations. 01061A000

109 STRATEGIC READING– (.5 credit; one semester) 12

This class is designed as an intensive reading course. Students will self select most of the books which they read, discuss, and reflect upon through written journal responses. Common reads, research assignments, conferences, group discussions, and projects will also be assigned and evaluated. 01067A000

123 POETRY – (.5 credit; one semester) 12 (NCAA Core)

Designed for the college bound student, this writing intensive course will develop understanding and appreciation of poetry. Students will study poetic forms, devices and techniques as well as cultural and historical influences on poets and their work. Students will write three compositions as well as their own poetry. 01061A000

151 MYTHOLOGY AND FOLKLORE-(1/2 credit; one semester) 12 (NCAA Core)

Designed for the college bound student, this course will primarily focus on ancient Greek and Roman mythology. Multicultural folklore will supplement and extend the student's understanding of mythology. Students will write compositions as well as creative pieces. 01061A000

114 RESEARCH WRITING – (.5 credit; one semester) 12 (NCAA Core)

This course is designed for the student who has shown proficiency in previous English courses and desires additional preparation for college-level research writing. Instruction will emphasize all steps of the writing process from topic selection to revision. Multiple research papers will be completed. 01105A000

113 CREATIVE WRITING – (.5 credit; one semester) 12 (NCAA Core)

This is designed for the student who has shown evidence of proficiency in previous English courses or who has a special creative ability. This course will allow the student the opportunity to use imagination in many different types of writing, including journal writing, play, short stories, song lyrics, and poetry. Class feed-back will supplement the critiques of the teacher. 01104A000

115 ORAL COMMUNICATION I – (.5 credit, 1 sem.) 9,10,11,12 (NCAA Core)

This course is designed to introduce students to basic communication concepts and public speaking. Students will research, prepare, and present a variety of speeches for a variety of purposes and audiences. Students will also be introduced to basic communication concepts: verbal and non-verbal communication, the listening process, interpersonal communication, and conflict-resolution skills. 01151A000

111 ENGLISH ENRICHMENT – (1 credit;one year) 9,10

Prerequisite: English teacher recommendation

This course will teach students how to become active, independent readers by improving comprehension, vocabulary, and test and note taking skills. Students will be actively engaged by utilizing oral and written skills. This course is designed for the serious student desiring academic success. 01068A000

WORLD LANGUAGE

Four years of Spanish, French and Latin are offered. Students who complete two, three, or four years of a foreign language in high school may be exempt from taking a foreign language in college (this will depend on the college major). There are a number of career opportunities available for students who are familiar with a second or third language. Through the use of the internet, DVD's, music, games, and the regular text, students may learn not only the language, but also have a better understanding of the culture of another country. Students entering high school with prior language instruction can be tested for placement in second year (or higher) classes as is appropriate to their level of competence.

135 SPANISH I - (1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Prerequisite: Student should have at least a C average in English

The student learns the basic grammar and vocabulary necessary to discuss, in the foreign language, everyday matters of interest such as the weather, likes/dislikes, and describing people and places. Some other cultural materials are read in English. 06101A000

136 SPANISH II - (1 credit; one year) 10, 11, 12(NCAA Core)

Prerequisite: Students should have at least a C average during second semester in Span. I

The student will continue to develop listening, speaking, reading and writing skills in the language, as well as cultural understanding and some historical knowledge about Spanish speaking countries. 06102A000

***137 SPANISH III** - (1 credit; one year) (0.5 weight) 11, 12 (NCAA Core)

Prerequisite: Students should have at least a B average during the second semester in Spanish II or consent of instructor (JALC Dual Credit Course)

There will be a review of grammar, as well as an introduction to more complex grammatical study. The course includes an advanced study of brief passages by distinguished authors and further historical and cultural study. 06103A000

***138 SPANISH IV** - (1 credit; one year)(1.0 weight)12 (NCAA Core)

Prerequisite: Students should have at least a B average during the second semester in Spanish III or consent of instructor. (JALC Dual Credit Course)

This is a continuation of the previous course, offering further practice in listening, speaking, reading and writing their skills through interaction with a wide variety of authentic media. 06104A000

140 FRENCH I - (1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Prerequisite: Students should have at least a C average in English

Student learn the basic and structures that enable them to communicate with French speakers about everyday topics such as likes and dislikes, shopping, eating, the weather, and descriptions of people and places. Videos, games, music and dialogs are used to reinforce learning.

Students read about and discuss in English the culture of French speaking countries.

06121A000

141 FRENCH II - (1 credit; one year) 10, 11, 12(NCAA Core)

Prerequisite: Students should have at least a C average in second semester French I

Students continue to develop their communications skills by listening, speaking, reading and writing in French. More advanced structures are used and vocabulary is expanded. Students increase their knowledge of the culture of French speaking countries including customs, art, music, literature and history. 06122A000

142 FRENCH III - (1 credit; one year)(0.5 weight) 11, 12 (NCAA Core)

Prerequisite: Students should have at least a B average in second semester French II or consent of the instructor

Students focus on communication at an increasingly advanced level. There is more emphasis on writing and self expression in French. Students continue to expand their knowledge of French customs, art, literature, music and history. 06123A000

143 FRENCH IV - (1 credit; one year)(1.0 weight) 12 (NCAA Core)

Prerequisite: Students should have a least a B average in second semester French III or the consent of the instructor.

Students continue their study of advanced speaking, reading and writing skills. Cultural discussions are held in French. Second semester, a short novel will be read and analyzed in French. 06124A000

146 LATIN I-(1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Prerequisite: Students should have at least a C average in English

Students learn the basic grammar and vocabulary necessary to read simple texts and compose in the language. Emphasis will be placed on the structure of language and expansion of English Vocabulary in conjunction with the acquisition of Latin words. Students will also study the history and customs of the Roman people and learn about their impact on the modern world.

06301A000

147 LATIN II - (1 credit; one year) 10, 11, 12 (NCAA Core)

Prerequisite: Students should have a least a C average second semester in Latin I

Students will continue their study of grammar and vocabulary and will read more advanced texts. They will prepare compositions using more advanced structures and will continue their study of Roman History and culture. 06302A000

148 LATIN III - (1 credit; one year)(0.5 weight) 11, 12 (NCAA Core)

Prerequisite: Students should have at least a B average in Latin II or consent of instructor

Students will read authentic texts from Cicero, Caesar, Catullus, Virgil, Livy and Ovid. The course will also include grammar and vocabulary study centered around student compositions in Latin and historical and biographical study of periods and authors under discussion. 06303A000

149 LATIN IV - (1 credit; one year)(1.0 weight) 12 (NCAA Core)

Prerequisite: Students should have at least a B average in Latin III or consent of instructor

Students will continue to read authentic texts. Emphasis will be on the works of Virgil and Seutonius. Students will apply themselves to more advanced compositions that focus on the intricacies of Latin grammar. 06304A000

***150 AMERICAN SIGN LANGUAGE 1** – (1 credit; one year) (NCAA Core)

(JALC Dual Credit)

This course is for individuals with limited or no prior knowledge of American Sign Language (ASL). The student learns the basic grammar and vocabulary necessary to discuss, in the foreign language, everyday matters of interest such as the weather, shopping, eating, likes, dislikes and descriptions of people and places. Other cultural materials, videos and activities are also taught both signed and vocally. This course is a dual credit course. Student will receive high school foreign language, as well as, college credit. 06801A000

***152 AMERICAN SIGN LANGUAGE 2 – (1 credit; one year) (NCAA Core)**

Prerequisite: Students should have at least a C average in second semester of ASL 1 and prior consent of instructor. (JALC Dual Credit)

The student will continue to develop receptive and expressive signing skills, fingerspelling, and numbers as well as cultural understanding and historical knowledge of American Sign Language and deaf culture. This course is a dual credit course. Student will receive high School foreign language as well as college credit. 06802A000

MATHEMATICS

Three credits in mathematics, including Algebra and Geometry, are required for graduation. **For the following courses, Algebra 2, Pre Calculus, Statistics and AP Calculus, it is Highly recommended to have a TI 83, 83+, 84 or 84+ calculator.**

Graduation Requirements: 3 credits of Math

Suggested Sequences for Math:

Possible Courses for 9th Grade	Possible Courses for 10th Grade	Possible Courses for 11th Grade	Possible Courses for 12th Grade
Algebra 1	Geometry	Algebra 2	Pre Calculus Statistics
Algebra 1	Honors Geometry	Honors Algebra 2 Algebra 2	Pre Calculus Statistics
Geometry	Algebra 2	Pre Calculus Statistics	AP Calculus Statistics Pre Calculus
	Hon Algebra 2	Pre Calculus Statistics	AP Calculus Statistics Pre Calculus
Honors Geometry	Algebra 2	Pre Calculus Statistics	AP Calculus Statistics Pre Calculus
	Honors Algebra 2	Pre Calculus Statistics	AP Calculus Statistics Pre Calculus

154 ALGEBRA 1 - (1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Algebra 1 is a full year class that involves the introduction of small segments of Algebra with assignments emphasizing applications. Connections to real life situations are used as often as possible. A scientific calculator is needed for this course. 02052A000

167 GEOMETRY - (1 credit; one year) 9, 10, 11, 12 (NCAA Core)

Prerequisite: Algebra 1

Geometry is the traditional "second year" class. The course focuses on the concepts of Euclidean Geometry. Topics include the study of lines, angles, polygons and their relationships. 02072A000

168 HONORS GEOMETRY - (1 credit; one year)(0.5 weight) 9,10 (NCAA Core)

Prerequisite: By teacher recommendation.

Honors Geometry is the more thorough and complete look at the classic second year material. The course focuses on the study of geometry through the use of proofs. The course concentrates on Euclidean geometry. Topics include the study of lines, angles, polygons and their relationships. 02072A000

155 ALGEBRA 2 - (1 credit; one year) 10, 11, 12 (NCAA Core)

Prerequisite: Geometry

This course reviews previously studied topics such as algebraic expressions, linear equations and inequalities, functions and their graphs, linear systems, matrices, quadratic equations, polynomials, and rational equations. It introduces logarithms, conic sections, sequences and series, combination, permutation, and probability. A fairly extensive study of trigonometry is also included. 02056A000

159 HONORS ALGEBRA 2 – (1 credit; one year) 10-11 (0.5 weight) (NCAA Core)

Prerequisite: Honors Geometry or Geometry with teacher recommendation

Honors Algebra 2 will focus on expanding the concepts and topics covered in the traditional Algebra 2. The course will also include topics that normally are not included in Algebra 2, such as trigonometric substitutions and advanced geometrical concepts, while spending less time on previously covered material. 02056A000

171 MATHEMATICAL CONNECTIONS - (1 credit; one year) 12

Prerequisite: Teacher Recommendation

This course covers many relevant topics in mathematics including algebra, ratios and proportions, data analysis, geometry, probability, and number theory. Problem solving, decision making, number sense, mathematical reasoning, and mathematical communication will be addressed. This class meets Illinois state graduation requirements but DOES NOT fulfill 4-year university Algebra 2 requirements or any NCAA eligibility requirements. 02055A000

169 STATISTICS - (1 credit; one year) 11, 12 (NCAA Core)

Prerequisite: Algebra 2

This introductory course will discuss the different measures of data and how to compare data sets. Probability and probability distributions will be included. Hands on applications will be emphasized. Hypothesis testing and inferences from data will be discussed. 02201A000

157 PRE-CALCULUS (1 credit; one year)(0.5 weight) 11, 12 (NCAA Core)

Prerequisite: Algebra 2

The traditional "fourth year" class preparing high school students for College Calculus. Emphasis is on reinforcing the concepts of functions (including polynomial, rational, exponential, logarithmic, and trigonometric functions), solving equations and inequalities, matrices and determinants, sequences and probability, and analytic geometry. Algebraic, graphical, and numerical methods will be used to develop these topics and associated applications. 02110A000

158 ADVANCED PLACEMENT CALCULUS (1 credit; one year)(1.0 weight) 12

Prerequisite: Pre-Calculus (NCAA Core)

A "fifth year" course for students who started high school in Geometry. The course is designed to prepare students for the Calculus AB-Level test of the College Boards Advanced Placement Program. Students successful on this test should receive college credit for Calculus 1 and be able to enter Calculus 2 as their first college course. Both the derivative and the integral are developed, with procedures and applications of each emphasized. Algebraic, graphical, and numerical methods will be used to develop standard topics of Calculus. 02124A000

SOCIAL STUDIES

The following Social Studies courses are required for graduation from Marion High School: one year Global Studies, one year American History, one semester U.S. Government, and one semester (or equivalent) of Consumer Economics.

176 GLOBAL STUDIES - (1 credit; one year) 10 (NCAA Core)

This course is a survey of the geographical, economical, political and cultural aspects of regions and countries of the world. The first semester focuses on Europe, Southwest Asia, and Africa. The second semester focuses on South Asia, Asia, Micronesia, South and North America. Global Studies is a required course for all sophomores. 04061A000

178 AMERICAN HISTORY - (1 credit; one year) 11 (NCAA Core)

American History is a required course for all juniors. The class covers the history of the United States from the Revolutionary War to the present. Areas of discussion include the traditions and institutions that have made the United States what it is today. Problems of the past and how they can be solved in the future are also discussed. 04101A000

179 ADVANCED PLACEMENT AMERICAN HISTORY - (1 credit; one year)

(1.0 weight) 11, 12 (NCAA Core)

Honors American History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit by passing the Advanced Placement test. This survey of American History from the age of exploration and discovery to the present requires solid reading and writing skills along with a willingness to devote considerable time to homework and study. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of original documents and historiography. 04104A000

181 GOVERNMENT - (.5 credit; one semester) 12 (NCAA Core)

Government is a required course of study for seniors. The course reinforces the importance of the roles and functions of the federal, state and local governments. Historical and current events, patriotism, loyalty, and citizenship themes are stressed throughout the semester course. 04151A000

185 PSYCHOLOGY - (.5 credit; one semester) 11, 12 (NCAA Core)

Psychology encompasses the science of normal and abnormal behavior. The students will study the major areas of human behavior which include the science of psychology, physiology and behavior, states of consciousness, memory and intelligence, motivation and emotion, personality, therapies, hypnosis and drugs, classical conditioning, operant and cognitive approaches, health, stress and coping. 04254A000

184 SOCIOLOGY - (.5 credit; one semester) 11, 12 (NCAA Core)

Sociology encompasses the study of society. Students will study the elements of culture, culture and the media, socialization, sex and gender, social institutions, deviance and crime, race and ethnicity. 04258A000

186 ADVANCED PLACEMENT WORLD HISTORY-(1 credit; one year)(1.0 weight) 12 (NCAA Core)

This elective course is offered primarily to seniors. It is recommended for college-bound students. The course is designed to give students an overview of man's development from prehistory to the present. The course centers on the interplay of all areas of the world: conflicts, cooperation, and suggested solutions to some of the world's problems. 04057A000

SCIENCE

Graduation Requirements: 2 years of science

Suggested Sequences for Science:

Physical Science A/B \rightleftarrows Biology \rightleftarrows Chemistry \rightleftarrows Physics \rightleftarrows Science Electives

Student Plans after High School	Possible Courses for 9 th Grade	Possible Courses for 10 th Grade	Possible Courses for 11 th Grade	Possible Courses for 12 th Grade
Plan to enter the workforce or the Armed Services	Physical Science A Physical Science B	Biology	Chemistry Astronomy Environmental Lab Science	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agriculture Applic.
Seek Technical or Vocational Training in other than a four-year college program	Physical Science A Physical Science B Biology	Biology Chemistry	Chemistry Physics Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agriculture Applic. Animal Science/Pre-Vet Studies	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology Biological Science & Agriculture Applic. Animal Science/Pre-Vet Studies
Four-year college or university program	Physical Science A Physical Science B Biology	Biology Chemistry	Chemistry Physics Astronomy Environmental Lab Science Anatomy & Physiology AP Biology AP Chemistry Biological Science & Agriculture Applic. Animal Science/Pre-Vet Studies	Physics Chemistry Astronomy Environmental Lab Science Anatomy & Physiology AP Biology AP Chemistry Biological Science & Agriculture Applic. Animal Science/Pre-Vet Studies

If a student only takes two years of science, one year must be in the area of physical science and one year must be in the area of life science (biology).

213 PHYSICAL SCIENCE A - (.5 credit; 1 semester) 9 (NCAA Core)

This class is a graduation requirement for all incoming freshmen beginning with the class of 2011. This is a one semester physical science course which is lab oriented and the curriculum focus will be on Chemistry and Earth science. The chemistry emphasis will be on the periodic table, states of matter, properties of matter, chemical reactions, and chemical bonding. The Earth science emphasis will be on Earth's surface and structure, rocks, plate tectonics, weather and climate. 03159A000

214 PHYSICAL SCIENCE B - (.5 credit; 1 semester) 9 (NCAA Core)

This class is a graduation requirement for all incoming freshmen beginning with the class of 2011. This is a one semester physical science course which is lab oriented and the curriculum focus will be on Physics and Space science. The physics emphasis will be on forces, motion, energy, pressure, waves, magnetism and electricity. The space science emphasis will be on the solar system, the Earth and moon system, stars and the sun. 03159A000

202 BIOLOGY - (1 credit; one year) 10, 11, 12 (NCAA Core)

Prerequisite: Physical Science A/B

This is a course introducing the study of life on Earth. This laboratory oriented class addresses ecology, cells, genetics, evolution, and a survey of characteristics used in the current system of classification. This course is a prerequisite for Anatomy and Physiology, Lab Science, and AP Biology. 03051A000

203 ANATOMY AND PHYSIOLOGY - (1 credit; one year) 11,12 (NCAA Core)

Prerequisite: Biology, C or better in biology or consent of instructor, chemistry recommended

This course emphasizes nomenclature and location of human body structures, and the physiological functions of body parts. Students will discover why human beings have different body statures, structures, skin pigmentation, and other variations. In addition to covering tissues and the special senses, the 11 body systems including integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive will be addressed. Dissection of the fetal pig will be used for comparative human anatomy and physiology along with various other lab activities and dissections. 03053A000

204 ADVANCED PLACEMENT BIOLOGY – (1 credit; one year)(1.0 weight) 11,12 (NCAA Core)

Prerequisite: Chemistry and Biology, with a C or better in both

The AP Biology course is designed to be the equivalent of a year of college biology for science majors. The coursework is designed to provide students with a conceptual view of the biological world and the skills necessary to understand and analyze the rapidly changing world around us. Topics include biochemistry, cells, genetics, evolution, plant form and function, animal form and function, and ecology. Emphasis is placed upon application of the material to new areas of research, and development in biology. In-depth laboratories in the areas of biochemistry, cell structure, cellular processes, genetics, evolution, animal behavior, physiology, and ecology will be conducted and may require time outside of class to complete. This course is designed to prepare students for the AP Biology exam. 03056A000

205 CHEMISTRY I - (1 credit; one year) 10, 11, 12 (NCAA Core)

Prerequisite: 1 year of Algebra and 1 credit Physical Science A/B

Chemistry is the study of the properties of matter and the changes that matter undergoes. Course content will include measurements and calculations, atomic structure, periodic table, chemical bonding, equations and reactions, stoichiometry, phases of matter and solutions. These concepts will be investigated in multiple laboratory experiments. This course is designed to give the student the knowledge and skills necessary to be successful in an introductory college chemistry course. 03101A000

207 ADVANCED PLACEMENT CHEMISTRY – (1 credit; one year)(1.0 weight) 11,12 (NCAA Core) *Prerequisite: "C" or better in Chemistry and Algebra 2*

AP chemistry is an equivalent to a college or university general chemistry course taken during the first year. This course is designed to prepare the student for the AP Chemistry exam, which can lead to college credits. Chemical concepts such as atomic structure, stoichiometry, chemical bonding, and reactions covered in chemistry are reviewed in greater detail. New concepts such as thermochemistry, equilibrium, kinetics, spontaneity, and electrochemistry are explored in depth. An emphasis is placed upon both mathematical calculations and writing in the classroom and laboratory. A variety of experiments will be conducted to meet the requirements of the AP Chemistry curriculum. Upon completion of the class, the student is required to take the AP Chemistry exam. 03106A000

208 PHYSICS - (1 credit; one year)(1.0 weight) 11, 12 (NCAA Core)

Prerequisite: Algebra 2, Chemistry is recommended

Physics is a non-calculus introduction to the motion and energy of the physical world for the college bound student. Topics include the study of motion, forces, energy, waves, sound, light, electricity, magnetism, and fluid mechanics. These concepts will be investigated through lecture, problem-solving, laboratory experiments, and student designed projects. An extensive focus is given to describing and communicating these concepts through the language of mathematics. 03151A000

211 ASTRONOMY - (.5 credit; one semester) 11,12 (NCAA Core)

Prerequisite: Two years of high school science

This introductory astronomy course will acquaint students with the terminology, historical perspective, and current thinking about our universe. Emphasis will be placed on the solar system, the Earth, and other planets, characteristics of stars, galaxies, asteroids, meteors, comets and current space missions. 03004A000

212 LAB SCIENCE (Forensic Science) - (.5 credit; one semester) 11,12 (NCAA core)

Prerequisite: C or better in Biology; Chemistry recommended, but not required

This will be a laboratory based course using a problem solving approach. Emphasis will be placed on scientific investigations using various methods of analysis. Students will be expected to communicate results and conclusions using laboratory reports and analyze case studies. Topics to be covered include criminal evidence and the crime scene, forensic science and the law, DNA fingerprinting, hair & fiber analysis, blood spatter, fingerprint analysis, and other forensic methodologies. 03202A000

206 ENVIRONMENTAL SCIENCE – (.5 credit; one semester) 11,12 (NCAA core)

Prerequisites: 2 science credits

Environmental science is an interdisciplinary course that overviews the various systems of the environment and their connections, investigates the use and impact of resources, and explores environmental ethics. Emphasis is placed on human populations, their impact, current environmental issues, and the sustainability of life. Course content will be explored through research projects, community service activities, and laboratory experiments. An AP Environmental Science exam is available for interested students. 03003A000

377 ANIMAL SCIENCE/PRE-VET STUDIES - (one credit; one year) 11,12 (NCAA Core)

Prerequisite: Biology 1 and agricultural science or consent of instructor

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18105A001

372&369 BIOLOGICAL SCIENCE AND AGRICULTURE APPLICATIONS

(1 Credit; one year) 10, 11, 12 *Prerequisite: 1 year Science, 1 year Ag Industry, consent of instructor.*

List both course numbers on request sheet.

Designed to reinforce and extend the understanding of science by associating basic scientific concepts with relevant applications in the agribusiness industry. Students will examine major phases of plant and animal growth in agriculture and the specific biological science concept. Example topics are chemical applications, curing meat products, hydroponics, seed inoculation, chick embryology, and testing plant and animal nutrients. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. 18051A002, 18101A001

BUSINESS

320 & 339 FRESHMAN SEMINAR - (1 credit; one year) 9 **Please list both course numbers on your request sheet.**

Emphasis in the first semester will be placed on transition skills necessary to be successful in high school, such as organization, note taking, test prep, etc. In addition, first semester will focus on cross curricular activities to improve students overall performance for classes and academic evaluations such as the ACT and SAT. Second semester will focus on research methods, technology integration, technical reading and composition. Students will demonstrate proficiency through completion of a capstone career research project which includes a written report and an electronic presentation. 12005A001, 10005A001

303 BUSINESS CONCEPTS 1- (.5 credit; one semester) 9, 10,11

This course serves as an orientation to all business programs. Basic accounting, economics, marketing, and management of principles are introduced. Business communications and business computations are integrated throughout the course. Employability skills and abilities are developed. 12001A001

329 BUSINESS CONCEPTS 2 - (.5 credit; one semester) 9, 10, 11, 12

Prerequisite: Business Concepts 1, or consent of instructor

This is a continuation of the introductory course. Students will be given an expanded view of topics covered in the first semester and an orientation to other accounting, economics, marketing and management principles. In addition, personal finance topics will be introduced which include consumer purchases, credit and money management. Students passing Business Concepts I & II meet the consumer economics requirement. 12001A001

343 BUSINESS & MEDICAL OFFICE TECHNOLOGY - (1 credit; one year) 10, 11, 12

This is a course that prepares students for entry-level employment in a technology-based business or medical office setting. Careers in a professional business and medical office setting will be explored. Units on business and medical records, business and medical transcription, and medical office coding and insurance will be included. Business technology and integrated computer software applications will be utilized. Patient and office management software will be introduced. Additional instruction will focus on office etiquette, office management, telephone and communications procedures, time management, records management, and professional business behavior. Students will discuss appropriate procedures for receiving visitors, patients or clients, and organize, schedule and plan meetings. Confidentiality in the medical and business office setting will be stressed. Students will apply new skills as well as skills learned in other courses to complete a series of realistic simulations or participate in a work-based learning experience. This course serves as a prerequisite for the Business Practicum course. 14151A00

***331 MEDICAL TERMINOLOGY** - (1 credit; one year)10, 11,12 (JALC Dual Credit 11-12 , 10 with required documentation) *Prerequisite: consent of instructor*

This course is an introduction to the correct spelling, pronunciation, and meaning of roots, prefixes, and suffixes of common medical terms that relate to body systems and pathological conditions. Students will also learn terminology for medical records, managed care, and the different health care settings. In addition, students will study abbreviations that relate to laboratory values, clinical procedures, and medical documents. 14154A000

323 REPROGRAPHICS - (1 credit; one year) 11, 12 *Prerequisite: Consent of instructor*
Students who have completed or who are currently enrolled in advanced business courses may register for this class which is taught as a simulated office class. Students will do office typing and/or operate the various duplicating and office machines. 12002A001

***315 COMPUTER CONCEPTS** - (.5 credit; one semester) 10, 11, 12
Prerequisite: One semester Keyboarding/Typewriting or Freshman Seminar
Computer Concepts is a project based course in which students will gain proficiency using three applications in the Microsoft Office Suite: Microsoft Word, Excel and PowerPoint. Some key units include creating form letters, mailing labels, personal directories, professional newsletters, custom presentation backgrounds, and working with information graphics. Students will also expand their knowledge of computer essentials, terminology, and components of computer hardware. 10004A001

***316 ADVANCED COMPUTER CONCEPTS** - (.5 credit; one semester) 10,11,12 *Prerequisite: Computer Concepts (JALC Dual Credit 11-12, 10 with required documentation)*
Advanced Computer Concepts is designed to further develop awareness and understanding of application software and equipment used by employees to perform tasks in a business setting. Students will expand their knowledge using the Microsoft Office Suite including Microsoft Access for database development and management. By the end of the course, in addition to demonstrating basic competency in using Microsoft Office applications and Windows, preparation for Microsoft certifications can be obtained. 10005A001

321 INTRODUCTION TO MULTIMEDIA – (.5 credit; one semester) 10,11,12
This course is designed to introduce the student to various desktop publishing applications. Students will utilize the Adobe Creative Suite (Illustrator, In Design and Photoshop). Students will gain hands-on experience creating publications such as newsletters, brochures and pamphlets, promotional materials, forms and electronic publications. Students will learn how to create digital images and alter digital photographs. Real life simulations will allow students to create awards and promotional materials.
10005A002

322 ADVANCED MULTIMEDIA – (.5 credit; one semester) 10,11,12
Prerequisite: Introduction to Multimedia
This course is designed to build strong visual and media literacy for life-long use and awareness of career/higher educational choices in the multimedia field. Students will also learn multimedia production techniques utilizing video and sound editing software, digital cameras, and high definition camcorders. Students will learn to import and export graphics through the use of scanners and digital cameras. Students will learn how to create academic and entertaining presentations including movies, animations, music and text. Real life simulations will allow students to create recap videos and promotional video announcements. 10005A002

327 WEB SITE DEVELOPMENT 1 – (1 credit; one year) 10,11,12
Prerequisite: Keyboarding or Freshman Seminar
Web Site Development 1 is a computer literacy course, which provides background and hands-on knowledge in the use of computers and other technology for web site creation and publication. Software utilized is the Adobe Software Suite, which includes Adobe Dreamweaver, Flash, and Photoshop. Other software such as Fireworks will be introduced. Students will implement a variety of multimedia applications such as podcasting and video to enhance web site creation. Students will be given the opportunity to participate in a variety of cumulative school and community-based web design projects. 10201A001

328 WEB SITE DEVELOPMENT 2 – (1 credit; one year) 11,12

Prerequisite: Web Site Development 1 and Consent of Instructor

Web Site Development 2 is an advanced level computer literacy course, where students receive an extensive background and hands-on knowledge in the use of organizational design, multimedia applications, scanner operation, digital camera operation, and security issues relating to web site creation. Software utilized is the Adobe Software Suite including Dreamweaver, Flash, Photoshop, and Fireworks. The students in this class will have the opportunity to update and maintain the school web site, as well as participate in a variety of school and community-based web design projects. 10201A002

334 BEGINNING PROGRAMMING AND GAME DESIGN –(1credit;oneyear)11,12

Prerequisite: Introduction to Multimedia

This course provides an initial exposure to programming competence via hands-on experience with a variety of game languages. An introduction to structured programming methodologies, syntax and semantics and good programming style will be presented.

338 BASIC COMPUTER SYSTEMS– (.5 credit; semester) 10,11,12

Prerequisite: Computer Concepts

This course is an introduction to computer hardware and software. It is designed to help students become comfortable and skilled with installing new hardware and software, troubleshooting hardware and software problems, and making decisions about upgrading or purchasing new hardware and operating systems. Students will become familiar with the role of a PC technician. The course will provide the skills needed to complete the three IC3 (Internet and Computing Core Certification) exams to become globally certified. 10252A001

337 SPORTS AND ENTERTAINMENT BUSINESS – (.5 credit; one semester) 10,11,12

Prerequisite: completion of Algebra or consent of instructor

Students will learn about sports and entertainment through the perspective of management and marketing. Topics include amateur sports, professional sports, sports management, contracts, staffing, customers, promotion, legal issues, and sports and entertainment professions. Students will make presentations and write papers on subjects such as radio, television, concert promotion, and sports management. 12163A000

312 ACCOUNTING 1 - (1 credit; one year) 10, 11, 12 (JALC Dual Credit 11,12 10 with required documentation)

This course is a study in accounting theory which will be useful to all students who plan to pursue a career in business, marketing, management, or business ownership. Instruction will include information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. By the use of business simulations, the student actually has an opportunity to have hands-on experience with cash receipts and cash payments, purchasing of goods, marking up and selling goods, paying employees, and government regulations and forms. Some specialized accounting computer applications are made available. 12104A001

***313 ACCOUNTING 2/PILOT & BRIDGE PROJECT** - (1 credit; one year)(1.0 weight)
10, 11, 12 (JALC Dual Credit 11-12, 10 with required documentation)

Prerequisite: Accounting I or Instructor consent

Accounting 2/Pilot & Bridge Project is designed as an initial college-level course in accounting and as a foundation for possible future study in economics or business. The course is designed to prepare the student for the AP Accounting exam, a program to be solicited to the College Board in 2012. The course involves the study of financial accounting modules which include the following: financial reporting and decision-making for operating activities; financial planning and reporting for capital investment activities; financial planning, decision-making and reporting for financing activities; and financial reporting for cash flows. 2104A002

326 MARKETING AND BUSINESS OWNERSHIP - (1 credit; one year)11,12

This course is a study of marketing and management principles. Student learning experiences are developed around the marketing concept and the "marketing mix". Topics emphasized include economic systems and principles, the function and scope of business, advertising, pricing, selling, displaying, purchasing, simulated record keeping, government regulations, personnel and management problems, and personal success principles. Career opportunities in the field are presented throughout the course. 12164A001

324 ADVANCED MARKETING AND BUSINESS OWNERSHIP—(1credit; one year)11,12

Prerequisite: Consent of Instructor

This course is an advanced study of marketing and management principles. Students' learning experiences are developed around the marketing concept, marketing mix and the four functions of management. Topics emphasized include advanced principles, functions and scope of business, advertising, promotions, public relations, personnel and management problems. Students will participate in extensive project-based learning including hands-on operation of a small business enterprise. 12152A001

332 INVESTMENTS - (.5 credit; one semester) 11,12 (10 with consent of instructor) Students will take a comprehensive look at financial planning. Topics to be covered include: tax incentive investments, qualified retirement plans, options, real estate, bonds (corporate, municipal, government), mutual funds, annuities, commodities, futures, and the stock market. In addition, students will learn about investment planning for the different life stages. 12055A001

333 BUSINESS LAW - (.5 credit; one semester) 11,12

This course surveys the applications of Business Law to career and personal use. Topics in this course include the history of law, the U.S. legal system, contracts, negotiable instruments, employee-employer relationships, as well as consumer products and protections. Special laws' relating to marriage, divorce, wills and property will be discussed. 12054A001

342 BUSINESS PRACTICUM - (1 credit; one semester) 11,12

Prerequisite: Medical & Business Office Technology Procedures and Consent of Instructor

This is a course that provides hands-on, work-based learning experiences for students who've successfully completed a series of business, computer, or office skills courses. Upon completing required classroom competencies, students will participate in observation and hands-on learning activities in a professional business office setting. Students will apply the business office, medical office, and technology skills gained previously in a realistic work-based learning experience pre-arranged and approved by the instructor. Students will be evaluated by their training sponsor and the teacher-coordinator. 22998A000

***340 & 341 COOPERATIVE CAREER & TECHNICAL EDUCATION (CCTE)**

(4 credits; one year) 12 (formerly CVE)(JALC Dual Credit)

Prerequisite: Completion of at least two career & technical classes, application form, interview, & consent of instructor

(CCTE) is a capstone course designed to assist students in the development of effective employability skills and attitudes through practical, advanced instruction in school and on the job. Students enrolled in the CCTE program spend half of the school day at school and the other half in on-the-job training supervised by the designated training sponsor and coordinated by the teacher-coordinator. A plan that identifies training to be provided is developed by the teacher-coordinator with the assistance of the training sponsor and the student-trainee. Related instruction includes the following broad areas of emphasis: future career educational opportunities, planning for college, careers, scholarship opportunities, job-seeking skills, personal development, appropriate methods of job termination, worker safety, and ethical decision making in the workplace. Additional topics include: economics, consumerism, banking and credit, budgeting, saving and investing, insuring against loss, taxes and taxation, Social Security and IRAs, and responsible citizenship. This course meets the state's consumer education requirement for graduation. 22153A001

365 ADVANCED PLACEMENT MICROECONOMICS – (1 credit; one year)(1.0 weight) 11,12

Prerequisite: Instructor consent (NCAA Core)

Advanced Placement Microeconomics is designed as an initial college level microeconomics course and as a foundation for possible future study in economics or business. The course is designed to prepare the student for the AP Microeconomics exam, which can lead to college credit. The course involves the study of principles and dynamics that apply to the functions of individual decision makers in economic systems, whether consumers or producers. Advanced Placement Microeconomics will be offered in alternate years with Advanced Placement Macroeconomics so that Advanced Placement Microeconomics will be offered in school years beginning with an even number and Advanced Placement Macroeconomics will be offered in school years beginning with an odd number. Upon completion of the class, the student is required to take the Advanced Placement Microeconomics exam. 04203A000

364 ADVANCED PLACEMENT MACROECONOMICS – (1 credit; one year)(1.0 weight) 11,12

Prerequisite: Instructor consent (NCAA Core)

Advanced Placement Macroeconomics is designed as an initial college level macroeconomics course and as a foundation for possible future study in economics or business. The course is designed to prepare the student for the AP Macroeconomics exam, which can lead to college credit. The course involves the study of broad issues such as growth in economies, national income, unemployment, inflation, fiscal policy and monetary policy. Advanced Placement Macroeconomics will be offered in alternate years with Advanced Placement Microeconomics so that Advanced Placement Microeconomics will be offered in school years beginning with an even number and Advanced Placement Macroeconomics will be offered in school years beginning with an odd number. Upon completion of the class, the student is required to take the Advanced Placement Microeconomics exam. 04204A000

FINE ARTS

Visual Arts

470 ART 1 - (1 credit; one year) 9, 10, 11, 12

Art 1 students are introduced to drawing, painting, printmaking, ceramics, color theory and three-dimensional design using the elements and principles of art. Students will develop skills in understanding and appreciating art history, aesthetics, art criticism and studio art techniques. This class is structured to accommodate the unique blend of creative abilities in every student. No prior art experience is required. 05154A000

471 ART 2 - (1 credit; one year) 10, 11, 12

Prerequisite: Art I

Art 2 students will learn additional techniques and creative thought processes as well as new applications for the skills and concepts learned in Art 1. Greater emphasis is placed on technique, organization of composition, and further development of individual concepts. Art 2 content will focus on the understanding and use of various aspects of two and three-dimensional art and art history and include drawing, painting, sculpture, ceramics, and printmaking. 05155A000

472 ART 3 - (1 credit; one year) 11, 12

Prerequisite: 2 years of Art

Art III allows the student to explore fundamental skills in all techniques and various media, both 2 dimensional and 3 dimensional in addition to photography. Studio work will explore the principles and elements of art and design. Students will increase their development of visual awareness, critical thinking and problem-solving abilities thru studio based work. Students will create a portfolio. 05199A000

473 ART 4 - (1 credit; one year) 12

Prerequisite: 3 years of Art

Art IV is a senior class designed to allow further exploration of individualized skills and interests in selected media. This course will allow students the opportunity to develop and create their own art style, and further their individual portfolio and resume. Work will be individualized and submitted through the contract method. Student and instructor will create and write the course outline that will allow each student the maximum opportunity to enhance/ finalize their Senior portfolio. 05170A000

474 ART THROUGH THE AGES - (.5 credit; one semester) 10, 11, 12

Prerequisite: Art I

Art Through The Ages familiarizes students with an overview through power-point presentations of the visual culture of societies from prehistory to the present day. Students' understanding of art and culture are strengthened by creating projects in multi-media that relate to the different eras. Creative problem solving through conceptualization, research and execution of the different projects are emphasized. This class along with Three-Dimensional Art is considered equivalent of Art 2. 05152A000

475 THREE DIMENSIONAL ART - (.5 credit; one semester) 10, 11, 12

Prerequisite: Art I

Three Dimensional students are introduced to the fundamental techniques and concepts of ceramic art and the study of the elements and principles of designing in three-dimensional forms in space. The emphasis of this class is the exploration of clay as a material for creative

expression. Functional and sculptural aspects of the medium will be considered through projects incorporating hand building, wheel throwing, surface treatments, and glazing techniques. Additional three-dimensional designing will include exploring fused glass. The course is intended to develop the conceptual skills related to three-dimensional thinking and the ability to produce creative solutions encountered in sculpture. This class, along with Art Through The Ages is considered equivalent of Art 2. 05158A000

476 COMMERCIAL ART 1 - (2 credits; 2 hours) 11, 12

Prerequisite: 2 years of Art

Commercial Art 1 is an introduction to digital imaging and computer based art, advertising, marketing and photography. Students will utilize Adobe Photoshop, In Design and Illustrator. This course covers a wide range of fundamentals and technologies involved in professional visual communication, design and production. Students will cover corporate branding, typography, packaging, screen printing, animation, photography and design. This course uses collaborative thinking techniques coupled with hands on experiences to learn skills necessary for creative problem solving. Students will use scanners, digital cameras and the MAC lab to create real world publications, promotional products and photographic prints. Commercial Art 1 students will prepare a portfolio. 11155A001

478 COMMERCIAL ART 2 - (2 credits; one year) 11, 12

Prerequisite: Commercial Art I

Commercial Art II is designed for Students to experience an in depth study of the profession of graphic design and complex features of adobe Creative Suites (Photoshop, In Design, & Illustrator). Students will work from a simulated commercial graphics business model. They will focus on practical art direction, marketing campaigns, collaboration and production. Students will explore roles in the design industry and creative solutions to design problems. A more in-depth portfolio will be created, including a digital portfolio and resume. When possible, job shadowing will be included. 111555A002

481 AP STUDIO ART - (2 Credits; one year)(1.0 weight) 12

Prerequisite: Consent of Instructor

The Advanced Placement Studio Art course enables highly motivated art students to create college –level work in art while still in high school. AP Studio student candidates may earn possible college credit by submitting a portfolio of work for evaluation to the AP College Board at the end of the course (usually early May). Portfolios may be 2D Design, Drawing or 3D design. Advanced Placement work does involve time and commitment, and may require additional studio time and field trips. 05171A000

Vocal Music

467 Freshman Choir – (1 credit; one year) 9

An introductory class exclusively for Freshman who are new to the MHS choir!! This is a class for freshman who would like to improve as a vocalist and grow into the choir. Students will learn to read music, explore different singing styles, develop healthy singing techniques, as well as exercises to improve as a vocalist and/or musician. Students will be performing as a group at the Fall Concert, Madrigal Dinner, Spring Concert, Graduation, and Baccalaureate. After school rehearsals are very minimal and usually only occur twice during the school year. Students in this group will have the opportunity to audition for several optional after school ensembles, roles within the Madrigal, concert solos, and roles within the musical. All concert attire will be provided. 05110A000

463 Concert Choir (1 credit; one year) 10-12

Concert choir is for students who love to sing, but do not have the time to commit to a lot of extra-curricular rehearsals. Students will learn to read music, explore different singing styles, develop healthy singing techniques, as well as exercises to improve as a vocalist and/or musician. Students will learn several different singing genres such as music theatre, classical, pop, foreign language, Christmas, sacred, and gospel. Students will be performing as a group at the Fall Concert, Madrigal Dinner, Spring Concert, Graduation, and Baccalaureate. After school rehearsals are very minimal and usually only occur twice during the school year. Students in this ensemble will have the opportunity to audition for optional after-school ensembles, roles within the Madrigal, concert solos, and roles within the musical. All concert attire will be provided. 051100A000

462 Women's Choir – (1 credit; one year) 9,10,11,12

Prerequisite: Audition

Students in Women's Choir are expected to have some previous experience in a choral program. A variety of music will be learned along with techniques of vocal production and music reading. Students in this class will sing music that is both fun and challenging. Students in Women's Choir will be performing at the Fall Concert, Madrigal Dinner, Spring Musical, Spring Concert, Graduation, and Baccalaureate. Students in this ensemble will have the opportunity to audition for several optional after-school ensembles, roles within the Madrigal, concert solos, and roles within the musical. Women's Choir is a great place to meet new friends and grow as a vocalist. After school rehearsals are very minimal during the first semester. Due to participation in the Spring Musical, there will be after school rehearsals during the second semester. 0511A000

464 Jazz Choir – (1 credit; one year) 10-12

Prerequisite: Audition

Students in Jazz Choir are expected to have a lot of previous experience in a choral program. Students in Jazz Choir are assumed to have a high level of music literacy and performance experience. A variety of music will be learned along with techniques of vocal production and music reading. Jazz Choir students must learn a vast amount of music for the Madrigal Dinner and usually play a prominent role in the Spring Musical. They are expected to learn their music and roles very quickly and will need to invest their personal time to ensure they are successful. Music will be sung in SSAATTBB and many solo opportunities (as well as singing in the male ensemble) will come from this ensemble. 05111A000

Instrumental Music

460 BAND - (1 credit) 9, 10, 11, 12

05101A000

MHS Concert Band:

The MHS Concert Band is made up of all students enrolled in band. The Concert Band performs a winter concert in December and a spring concert in April, and performs at local and regional festivals, honor bands, and IHSA contest. Concert Band meets during the 4A class period.

MHS Football Band:

The MHS Football Band is made up of all students enrolled in band. It meets during the 1st nine weeks of the school year during 4A. Students are required to perform at all varsity home football games and parades. The football team plays 4 -5 games a school year. The group also performs at local parades.

MHS Pep Band:

The MHS Pep Band is made up of all students enrolled in band. The band rehearses during the 2nd and 3rd nine weeks of the year during 4A. Students are required to perform at all varsity boys' home basketball games.

EXTRA CURRICULAR ENSEMBLES

Marching Wildcat Band (MWB)

The MWB is a volunteer extra-curricular performing ensemble. The MWB competes in 4 - 5 regional marching competitions during the fall semester. All student enrolled in band are eligible to participate in the MWB. Jr. & Sr. students participating can receive PE credit as outlined in the course descriptions manual. A band fee of \$100 is required to participate in this ensemble. Each member will be given adequate fund-raising opportunity to fulfill this fee (band cards).

MHS Jazz Band I:

The MHS Jazz Band I is the premiere jazz ensemble at MHS and is largely performance based. The ensemble is extra curricular and meets after school. Membership is selected through auditions. The group performs at jazz festivals, jazz concerts around the local region.

MHS Jazz Band II:

The Jazz Band II is extra curricular and meets after school. Membership is selected through auditions. The group performs at jazz festivals and jazz concerts.

MHS Jazz Combo:

The MHS Jazz combo is extra curricular and meets after school. Members are selected by audition and the group performs locally and regional each semester.

469 GUITAR 1 – (.5 credit; one semester) 10,11,12

Focus will be on learning basics of music notation styles (tab, traditional, notation, Nashville number system & chord charts), proper playing techniques, instrument care, performance techniques, song learning, basic chord positions, and compositional techniques. No prior music knowledge is required. Instruments will be provided by the school, but will not be available for students outside of class time. 05108A000

483 MUSIC THEORY – (.5 credit; one semester) 10,11,12

Prerequisite: Band, Choir or Music reading ability

Music theory is a one semester course in which the students are engaged in the study of 18th and 19th century harmony rules and their application to the writing of music by the students. It includes sight-singing and ear-training through various kinds of dictation. This course is highly recommended for college-bound music majors. It leads to knowledge which aids the fundamental study on the college level, with some capable musicians being able to take a proficiency exam out of the course. Basic music note reading skills needed. 05113A000

484 WORLD MUSIC –(.5 credit; one semester) 10,11,12

This course includes an introduction of musical traditions from around the world. This class will not only consider musical sounds, but also the cultural and historical contexts of the different kinds of music. Learn how to listen to, analyze, discuss and write about music that may not be familiar to you. The goal of this class is to enrich musicianship, understanding of your own musical practices, and understanding of your own relationship with the traditions you practice, whether you are a performer, composer, and/or listener. 05116A000

485 MUSIC HISTORY – (.5 credit; one semester) 10,11,12

A brief survey of the history of Western Music from the Middle Ages to the present. Much attention will be paid to the direct experience of listening to music and discovering how music has changed through the ages. 05117A001

Other Arts

119 DRAMA 1 – (.5 credit; 1st semester only) 10,11,12

This course is designed for students who are interested in the theatrical production process. It surveys basic acting techniques (such as memorization, pantomime, and improvisation), basic technical theatre (such as stage settings, properties, lighting, sound, costumes, and makeup), and the production process (script selection, scene writing, auditioning, casting, rehearsing, stage management, and performance). Additionally, theatre history and the application of theatre in the work force are included in the course of study. Also during the semester, students are required to view and evaluate two theatrical performances outside the class. Active participation is required for successful completion of this course. 05054A000

122 DRAMA 2 – (.5 credit; 2nd semester only) 10,11,12

Prerequisite: Teacher approval and successful completion of Drama I

This course focuses on performance and specialization in acting, directing and producing, and technical theatre as established by the textbook. Students will study and actively participate in activities involving each of these areas and will explore various occupations relating to theatre. Students will research, observe, participate in activities, present and write reflection statements for various careers. This class requires active participation and individual responsibility. 05055A000

CAREER AND TECHNICAL EDUCATION

387 CONSUMER ECONOMICS - (.5 credit; one semester) 11

Consumer Economics is the study of the roles of consumer, worker, and citizen as participants in a free enterprise economic system. It is a required course of study for students who have not passed the State of Illinois Consumer Education proficiency test. The course is designed to inform students about economic principles and to develop skills in utilizing the goods and services of a capitalistic society. Units of study include taxes, money management, credit, insurance, and large consumer purchases. 22210A001

429 INTRODUCTION TO CAR CARE & MAINTENANCE (.5 credit; one semester) 9,10

This is an introductory automotive course designed to introduce both male and female students to the care and maintenance needed for today's modern automobile. Specific topics will include, but not limited to, an overview of how the modern automobile works; fluid checking, filling, and changing; tire changing and rotation; and checking brakes; starters; alternators; batteries; warning lights; gauges; and setting up a preventative maintenance plan. Other topics will be covered including care and detail requirements of car's interior and exterior, automobile buying tips and safeguards for the consumer. 20001A001

430 AUTO MECHANICS 1- (.5 credit; one semester) 10, 11, 12

This course is an overview of the automobile from radiator cap to rear wheels, in addition to the basic operations of two and four cycle gasoline small engines. Students will have the opportunity to disassemble, repair and reassemble a small engine. The course consists of primarily classroom instruction with some time devoted to "hands-on" experiences. 20001A001

***431&432 TRANSPORTATION/AUTOMOTIVE TECHNOLOGY 1 & 2** (2 credits; one year) 11,12 (JALC Dual Credit Class)

Prerequisite: Auto 1, or Intro to Car Care & Maintenance, consent of instructor

The course is divided into six areas of instruction. The first stage deals with safety, tools, shop math, and fasteners; the second part is concerned with engines; the third part with auto electrical units; the fourth part with engine tune-up and trouble shooting; the fifth part with power trains; and the sixth part with brakes and suspension. Instruction is accomplished by classroom and shop activities. 20104A001, 20104A002

370 INTRO TO AGRICULTURE INDUSTRY-(1 credit; one year) 9,10,11

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18001A001

379 AGRICULTURAL MECHANICS AND TECHNOLOGY – (1 credit;one year)11,12

Prerequisite: Intro to Ag

This course will concentrate on expanding student's knowledge and experiences with agricultural mechanics technologies utilized in the agricultural industry. Units of instruction included are: design, construction, fabrication, maintenance, welding, electricity/electronics, internal combustion engines, hydraulics, and employability skills. Careers of agricultural construction engineer, electrician, plumber, welder, equipment designer, parts manager, safety inspector, welder, and other related occupations will be examined. Improving workplace and computer skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18402A001

372&369 BIOLOGICAL SCIENCE AND AGRICULTURE APPLICATIONS

(1 credit; one year) 10, 11, 12(Cross Listed with Science Department) *Prerequisite: 1 year Science, 1 year Ag Industry, consent of instructor. List both course numbers on request sheet.* Designed to reinforce and extend the understanding of science by associating basic scientific concepts with relevant applications in the agribusiness industry. Students will examine major phases of plant and animal growth in agriculture and the specific biological science concept. Example topics are chemical applications, curing meat products, hydroponics, seed inoculation, chick embryology, and testing plant and animal nutrients. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration, and reinforcement of academic concepts. 18051A002, 18101A001

377 ANIMAL SCIENCE/PRE-VET STUDIES - (1 credit; one year) 11,12 (NCAA Core)

Prerequisite: Biology 1 and agricultural science or consent of instructor

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18105A001

373 & 374 LANDSCAPING/TURF OPERATIONS AND MANAGEMENT 1 & 2

(2 credits, one year) 11, 12 *Prerequisite: Intro to Ag, Ag Science or, consent of instructor*
This advanced course focuses on the landscape, nursery, and turf segments of the horticulture industry. Units of student instruction include: identifying landscape plants, designing landscape plans, hardscape construction techniques, and installing landscape plants. Also included are nursery production, turfgrass production, small engine repair, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticulture business, advertising, and sales. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. 18054A001, 18053A001

358 DRAFTING 1 - (.5 credit; one semester) 9, 10, 11

Students will explore the language of mechanical drawing and become familiar with drafting methods and procedures used by industry. The course offers experiences in the use of computer aided drafting and design software. The student will use basic computer aided drafting techniques through assignments in sketching, detailed drawings, dimensioning, isometrics and solid renderings in constructing conventional drawings. 21102A001

359 DRAFTING 2 - (1 credit; one year) 10,11,12 *Prerequisite: Drafting I*

This course explores additional drafting techniques using specified tolerances, preparing detail drawings for individual parts, layout and creating assembly drawings, and preparing mechanical orthographic subassembly drawings. This course provides a sequence of CAD experiences in 2-dimensional and 3-dimensional drawings to include vocabulary development, system operation, entity creation, dimensioning and text insertion, plotting, three dimensional coordinate system, 3-D parts detailing and assembly drawings, wire frame models, and system management relative to hard disk and tape storage systems. 21106A001

360 DRAFTING 3 (1 credit; one year) 11, 12 *Prerequisite: Drafting II, consent of instructor*

Additional skills introduced in this program include determining the requirements of a specific drafting job, preparing preliminary drawings such as freehand, isometric, orthographic, and oblique sketches; preparing detail drawings such as creating assembly drawings, orthographic projections, sectional views, auxiliary views, isometric views and letter drawings; producing mechanical working drawings such as detailing components of mechanical orthographic assembly and subassembly drawings; using CAD command processes for preparing a basic CAD drawing, start up, log on, retrieve, save, log off and shut down CAD system; creating disk files, and copying disk files. 21106A002

***361 COMPUTER AIDED DRAFTING 1** - (1 credit; one year)11,12

(JALC Dual Credit Class) *Prerequisite: Drafting II, consent of instructor*

This course is designed to provide students interested in a career in Architecture & Mechanical Drafting with information and practical experience needed for the development of job-related competencies. Students are made aware of the career opportunities available in the Mechanical Drafting and Architectural Drafting CAD - CADD field. Instruction is provided in the areas of planning and organizing activities, researching information, preparing of preliminary drawings, basic layout, detail drawings, reproduction techniques, producing working drawings, and computer aided drafting. Students are also provided with instruction in producing architectural drawings in the areas of presentation, floor plans, illustration of landscape features, sketching preliminary floor plans, drawing foundation plans and sections, exterior elevations, HVAC and electrical plans, and structural drawings. 21103A001

***362 COMPUTER AIDED DRAFTING 2 – (1 credit; one year) 12**

(JALC Dual Credit Class) Prerequisite: Drafting II, consent of instructor

CAD 2 is a culmination of previous drafting courses in preparing the student for design work in mechanical and architectural areas. Various design software packages will enable the student in developing drawings related to 2-d and 2D models and renderings. 21103A002

363 ARCHITECTURAL DRAFTING AND DESIGN (.5 Credit; one semester) 10,11,12

Prerequisite: Drafting I

This course includes an introductory study of the theory, history, principles and practice of residential architecture. The course will cover the characteristics, properties and applicable standards needed in completing a basic set of house plans through the development of 2-D and 3-D drawings in designing a residential structure using AutoCAD and related architectural software. Room planning, plot plans, foundations, wall and ceiling construction, doors and windows, fireplaces, stairs, room furnishings and fixtures, kitchen and bath design, furniture placement, and landscaping are a few of the areas that will be incorporated into the design. 21103A001

348 INTRODUCTION TO CONSTRUCTION (.5 Credit; one semester) 9,10

This course is designed for students who are interested in developing knowledge in the construction and manufacturing industries. Units of instruction will emphasize the safe and proper use of hand tools. Students will be introduced to various building products and processes used in the construction industry as well as careers that are available to them. Learning experience will be gained from instruction and hands-on activities. 13052A001

354 CONSTRUCTION 1(.5 Credit; one semester) 10,11

Prerequisite: Intro to Construction

This course builds on the knowledge acquired in Introduction to Construction to develop skills needed for working in the construction trades. Students will use machines and tools required for the construction and wood industries to complete various small scale projects. Units of instruction will include carpentry, woodcraft, electricity, HVAC, plumbing, masonry, excavation, and landscaping. Students will also become familiar with the various trade unions that operate in our area. 17003A001

***357 – CONSTRUCTION 2 (2 credit; one year) 11,12**

Prerequisite: Construction 1 & consent of instructor (JALC Dual Credit Class)

This course uses the knowledge and skills developed in prerequisite Construction Courses to develop abilities needed for working in the construction trades. Students will work on various construction projects throughout the year in real world applications. 17003A002

355 BUILDING TRADES 1 - (3 credits; one year) 11, 12

Prerequisite: Intro to Construction, Construction 1, and/or Drafting I and/or consent of instructor

This course provides experiences related to the erection, installation, and maintenance of residential buildings and related fixtures. Planned learning activities allow students to understand fundamental principles and methods, and develop technical skills related to masonry, carpentry, and finish work. Instruction includes safety principles and practices, recognition of standard lumber sizes, foundation layout methods, building concepts and procedures, local, state, and national codes, cost estimating, and blueprint reading. 17002A001

356 BUILDING TRADES 2 – (3 credits; one year)12

Prerequisite: Building Trades 1

This course provides learning experiences related to the erection, installation, maintenance, and repair of building structures and related utilities. Student technical skill experiences include instruction and activities in safety principles and practices, performing maintenance control

functions, joining pipes, building water distribution lines and drains, installing and maintaining plumbing fixtures and systems, installing switch and outlet boxes, light fixtures, service entrances, roughing in and trimming out electrical devices and appliances, preparing foundations and footings, constructing residential chimneys and fireplaces, laying, jointing and pointing brick, and advanced building and construction methods and codes. All learning experiences are designed to allow the student to acquire job-entry skills and knowledge. 17002A002

450 ORIENTATION TO HEALTH CAREERS - (.5 credit; one semester) 9,10,11,12

Students will be introduced to all medical careers to determine future interest. They will explore many of the technical skills needed by medical employees through numerous guest speakers, presentations, discussions and hands-on activities. Students will study the role of government in health care agencies as well as levels of management. They will be guided to understand communications in the medical field. 14001A001

451 MEDICAL LAB TECH I-(2 credits; one year) 11, 12

Prerequisite: consent of instructor

This course offers planned classroom theory, laboratory and clinical experiences (job-shadowing) to assist students in making a career choice in healthcare. The first 9 weeks of instruction takes place in the classroom to prepare the student for placement in a variety of health care settings in hospitals, clinics, offices, etc., in the community, during second semester. In order to participate in clinical observation activities, students are required to pass coursework and/or laboratory simulation in specified areas including confidentiality, infection control, CPR and safety. Emphasis will be placed on developing competencies in the many employment roles in all allied health care settings. Students will be prepared to enter articulated associate degree programs at community colleges or universities and/or post-high school employment placements. Successful completion of the American Heart Association CPR Health Care Provider course will result in advanced certification. 14102A001

***452 CERTIFIED NURSING ASSISTANT** - (3 credits; one year) 12; 1 credit science

(JALC Dual Credit Class) *Prerequisite: Consent of instructor*

This class is designed for seniors who wish to prepare for a career in nursing or related health services. During the first nine weeks terminology, anatomy, physiology, pathophysiology, and techniques of patient care are stressed. It offers a sequence of planned educational classroom, laboratory, and clinical experiences to prepare a person to perform tasks involved in the personal care of individuals receiving health care. These tasks are performed under the supervision of a licensed practical nurse, registered nurse or physician. The remainder of the school year, the student receives on-the-job training at local hospitals and other health care agencies. To be eligible to participate in clinical observation activities, students are required to pass coursework and/or laboratory simulation in specified areas including confidentiality, infection control, CPR and safety. Upon successful completion of the course, the student will be a Certified Nurse Assistant approved by the Illinois Department of Public Health. 14051A001

388 LIFE 1-LEARNING FOR INDEPENDENCE, FAMILY AND EMPLOYMENT

(.5 credit; one semester) 9, 10

This semester course will cover all the main areas of Family and Consumer Sciences. Basic skill units will be food preparation and meal planning, clothing selection and construction, personal and family relations, child care, housing and careers in Family and Consumer Sciences. Technology-based learning will enhance student skills. 22201A001

389 LIFE 2-LEARNING FOR INDEPENDENCE, FAMILY AND EMPLOYMENT

(1 credit; one year) 9, 10, 11, 12

This course presents the following major areas – foods and nutrition, clothing and textiles, child development and interpersonal relationships, housing, resource management, character building, study skills, technology skills along with dual role and career opportunities. In contrast to the LIFE 1 semester class, this course provides extended introductory time in each unit. Materials are presented in a more in depth manner; providing for more laboratory experiences, guest speakers, field trips and more class time for applied learning. 22201A001

383 ADULT LIVING- (.5 credit; one semester) 11, 12

This course utilizes a comprehensive text designed to help students meet the challenges of their daily lives with confidence. Students will learn basic information and practical skills related to such topics as interpersonal and family relationships, career preparation, life management, healthy living, foods and nutrition, and housing. 22207A001

381 PARENTING - (.5 credit; one semester) 11, 12

The course is designed to help teens strengthen the families they live in now and build strong families for the future. Special features throughout the chapters extend the content and offer opportunity for thought, discussion, and action through readings, self assessment, and hands-on activities. 22204A001

384 CHILD DEVELOPMENT - (.5 credit; one semester) 10, 11, 12

Current, comprehensive, and motivating course designed to maximize students' interest and learning about the study of child development, parenting, and child care. 19052A001

***385 & 386 CHILD AND DAY CARE SERVICE OCCUPATIONS 1 & 2** (2 credits; one year) 11, 12 (JALC Dual Credit Class) *Prerequisite: Child Development & consent of instructor*

This course is designed to help prepare for a career in early childhood education. The course offers practical techniques to guide children through a variety of daily experiences in safe and educational ways. Hands on activities include shadowing local elementary educators, daycare providers, and Marion High Schools private education system, Kiddie City. The course provides college credit, college prep portfolio, and an introduction to the Teachers Education Program (TEP) to those completing the course. Prerequisite: Child Development with acceptable grade and attendance record. 19054A001, 19055A001

390 CLOTHING AND TEXTILES 1 - (.5 credit; one semester) 9, 10, 11

This is a semester course offered to students who are interested in the study of clothing. An introductory unit covers the concepts of clothing selection and self-image for the individual student. Units include the study and selection of fibers and fabrics, and the development of sewing skills. Students will construct three sewing projects during the semester and use computers to enhance their learning. 19201A001

391 CLOTHING 2 - (1 credit; one year) 10, 11, 12 *Prerequisite: Clothing I, consent of instructor*

This course provides opportunities for students to use technology to research clothing projects and to enhance sewing skills. Students will complete projects on color and design as well as projects on global clothing trends and clothing cultures. Other units will acquaint the students with careers in the retail clothing market. Resumes, cover letters, and interview techniques will be a part of this course and student will job-shadow in retail clothing stores. In addition, student learning will be enhanced by pertinent field trips to various clothing related businesses and guest speakers from the retail clothing field. THIS CLASS CAN BE COUNTED AS A FINE ARTS CREDIT. 19203A001

393 & 395 FASHION MERCHANDISING - (2 credits; one year) 11, 12

Prerequisite: Clothing I, consent of instructor

This course provides learning experiences for the student who is interested in fashion, clothing accessories, clothing construction, and work opportunities in the retail clothing field. Students will gain information about fashion, styles, clothing selection, textiles, and merchandising. They will have an opportunity to develop their sewing skills to advanced levels by constructing entrepreneurial projects throughout the year. Entrepreneur units will teach students marketing, design, manufacturing, and communications skills that will be used in the retail clothing world of work. Student portfolios will be kept by each student for future employment. Work experience in local businesses and business partnership arrangements will acquaint students with various retail clothing careers. Technology based learning will be an important part of this course. 12153A001, 19204A001

400 FOOD AND NUTRITION 1 - (.5 credit; one semester) 9, 10, 11, 12

A semester course that is offered to students who enjoy cooking and are interested in the food industry. Units include meal planning, etiquette, table setting, preparation of foods in the fruit, vegetable, milk, meat, and grain groups, nutrition and the body's use of foods, kitchen safety, and sanitation. Food labs will include quick breads, yeast breads, baking labs, fruits and vegetables, and various other cooking experiences. 16054A001

401 FOOD AND NUTRITION 2 - (.5 credit; one semester) 10, 11, 12 *Prerequisite: Foods I*

This is a second level foods course with more attention paid to food selection and preparation for special circumstances and dietary needs. Course content includes emphasis on eating disorders and current nutritional issues, safety of food and prevention of food borne illnesses, nutritional information and food preparation labs for meats, poultry, grains and legumes, pies, international foods as well as various other labs. The focus of the course is on careers in Foods and Nutrition Services and is preparation for the ProStart Food Service program. 16054A002

402 & 404 PROSTART /FOOD SERVICE 1& 2 - (2 credits; one year) 11, 12

Prerequisite: Food & Nutrition, consent of instructor

This is a two-hour class designed to prepare students for employment in the food service industry. The class is designed for juniors and seniors who want to explore professional cooking. The class will cover topics such as customer relations, cost control, menu planning, marketing, management skills and communication. There will also be numerous food preparation labs, cake decorating, catering entrepreneurships, food safety and sanitation. Work experiences are provided off-campus to help students learn on-the-job entry level skills. 16052A001, 16055A001

HEALTH/DRIVER EDUCATION

All students are required to pass one semester of Health for graduation from Marion High School.

251 HEALTH - (.5 credit; one semester) 9

Health classes emphasize the everyday usefulness of health information and wise decision-making. Included are units in drugs, environmental health, alcohol, conflict resolution, communicable and degenerative disease, sexuality, mental health, the body systems, and nutrition. 08051A000

DRIVER EDUCATION (BTW) - (0 credit; 9 weeks) 9,10,11,12

Driver Education is a nine week course which runs in conjunction with the physical education class. An orientation will be conducted approximately 30 days before students will be enrolled in Driver Education. They will take their Rules of the Road test at this orientation. By law, students can obtain their permits 30 days before they are enrolled in the classroom. Students must also

be 15 years of age before they can obtain their permits. Students, by law, must accrue 30 hours of classroom instruction, 6 hours behind-the-wheel, and 50 hours of supervised driving at home in order to be eligible for a driver's license. Units covered include: pre-start procedures, intersections, state and county highway driving, lane changes, up and down hill parking, turnabouts, backing, interstate and DUI. Student's Driver Education grade is figured in with the Physical Education grades for their semester grade. Driver Education enrollment is based on the oldest students getting in the class based on the birthdays of students in their physical education hour.

PHYSICAL EDUCATION

3 1/2 years of physical education are required for graduation from Marion High School. Students who are unable to take physical education must present a valid doctors/religious excuse **EVERY YEAR** to their counselor. The physical education department is committed to prepare our students for the 21st century using researched methods to be functional, independent, contributing individuals to our society. Students will assess their own health and fitness levels and develop a plan to maintain or reach optimal fitness and wellness. Students will learn the processes, physical components, and problem solving skills necessary to make proper adaptations to experience an active and physically rewarding lifestyle.

9/10 PHYSICAL EDUCATION - (Grade 9: .5 credit, one semester, Grade 10: 1 credit)

Classes will focus on motor skill development and movement patterns needed to perform a variety of physical activities. Students will be introduced to personal fitness planning using fitness concepts and the health related fitness components of flexibility, muscular strength, muscular endurance, cardiovascular endurance and body composition. 08005A000

11/12 PHYSICAL EDUCATION - (1 credit; one year) 11, 12

Classes will focus on fitness concepts, biomechanical analysis and the development of a personal fitness plan addressing the health related fitness components of flexibility, muscular strength, muscular endurance, cardiovascular endurance, and body composition. This class will concentrate on developing a wellness lifestyle through lifetime activities, strategy, problem solving and team building. 08005A000

WEIGHT TRAINING/FITNESS PHYSICAL EDUCATION

(.5 credit; one semester) 9 (1 credit; one year) 10, 11, 12

This section is a specialized course for, but not limited to, the high school athletes. The students will develop and implement an individualized weight training program. This class emphasizes physical development and improvement through weight training, aerobic exercise, plyometric exercise, and a wide variety of sport-specific training techniques. Classes will concentrate on fitness concepts and developing personal fitness goals addressing the health related fitness components of flexibility, muscular strength, muscular endurance, cardiovascular endurance, and body composition. In addition to the physical training aspect, students will learn team building skills, basic nutrition, anatomy and physiology of exercise. Class sizes are limited with preference given to athletes. 08009A000

260 (1st Sem) & 261 (2nd Sem) ATHLETIC P.E. (1 credit) 12

Prerequisite: Seniors Only - must have participated in the sport during the previous school year. Permission must be obtained from the athletic director and the coach.

This section is designed for athletes who meet the prerequisite and whose schedule prohibits enrolling in one of the other physical education courses such as a student enrolled in advanced college preparatory or placement courses. Failure to complete the season constitutes a failing grade (grade of F) in Athletic P.E. The prerequisite for enrollment in Athletic P.E. is participation in the sport during the previous school year. 08014A001

7th HOUR SPORTS PE

268 7TH HOUR SPORTS PE -1ST SEMESTER (.5 credit; one semester)

269 7TH HOUR SPORTS PE -2ND SEMESTER (.5 credit; one semester)

In order to sign up for this course you must have participated in a sport the prior year. Sports Physical Education is a new class designed to better meet the needs of our student athletes who leave school early on a regular basis and arrive home late at night due long travel distances from scheduled athletic competitions. Students may only sign up for this course during the semester of their sport. This class will focus on providing male and female in season athletes the following:

1. The opportunity to schedule a PE class during 7th hour and core academic courses will be scheduled in hours 1-6.
2. The opportunity to participate in a rigorous strength and cardiovascular training program. This class emphasizes physical development and improvement through weight training, aerobic exercise, plyometric exercise, and a wide variety of sport-specific training techniques. Classes will concentrate on fitness concepts and developing personal fitness goals addressing the health related fitness components of flexibility, muscular strength, muscular endurance, cardiovascular endurance, and body composition. In addition to the physical training aspect, students will learn team building skills, basic nutrition, anatomy and physiology of exercise.

Note: This class does not replace our Athletic PE course that allows student athletes to replace PE with an academic course. As in the past, student athletes who pursue the Athletic PE option will have (7) hours of daily academic course work. Students who do not complete a sport will be re-assigned to a traditional physical education course. 08005A001

FIRST SEMESTER

298 Fitness 9-12 Male

270 Fitness 9-12 Female

272 Fitness Female BTW

296 Fitness Male BTW

274 9/10 PE

276 9/10 PE BTW

278 11/12 PE

280 9/10 PE BTW

268 7th Hour Sports PE (1st Sem)

SECOND SEMESTER

299 Fitness 9-12 Male

271 Fitness 9-12 Female

273 Fitness Female BTW

297 Fitness Male BTW

275 9/10 PE

277 9/10 PE BTW

279 11/12 PE

281 9/10 PE BTW

269 7th Hour Sports PE (2nd Sem)

ADDITIONAL ELECTIVE CHOICES

500 YEARBOOK PRODUCTION I - (1 credit; 1 year) 9,10,11,12

Prerequisite: Application packets due in February; consent of instructor

Students will learn the procedures in producing the annual high school yearbook. Experiences include acquiring and editing photographs, selling advertising space, creating business advertisements, creating and maintaining file system, writing captions for photographs, writing story copy, developing the theme for the yearbook and researching current design trends. Emphasis will also be given to essential business “soft skills” such as phone etiquette, working as part of a team, developing goals and determining time management components. Strict adherence to deadlines will be followed and participation in activities outside of class will be required. Class size is limited. 11104A000

501 MEDIA RESOURCE - (1 credit; one year) 11, 12

Prerequisite: Consent of instructor

Students will gain knowledge of how a modern library system works. They will use the technology of the library systems and assist other students in finding research materials. Previous attendance records will be important in selecting students for this course. 22053A000

502 OFFICE OCCUPATIONS - (1 credit; one year) 12

Prerequisite: Consent of Principal and Office Staff

Students will assist in high school office procedures such as answering telephones, collecting attendance folders, delivering messages, and offering assistance to high school visitors and new students. Previous attendance records will be important in selecting students for this course. 22051A000

SPECIAL EDUCATION DEPARTMENT

A referral must be initiated before a student can be considered for special education services. After a complete battery of testing by a psychologist and a multi-disciplinary staffing is held to determine eligibility, if the student is found *eligible and the parents agree, placement of the student is made*. An individual educational plan (I.E.P.) is on file for every student in the special education program. This plan is developed within the context of courses which are offered in the special education program. Special education students must meet the same graduation requirements that all students must achieve.

<u>4500</u>	Study Skills (9-12)	<u>4559</u>	Algebra 1
<u>4546</u>	English 1	<u>4556</u>	Math Connections
<u>4547</u>	English 2	<u>4552</u>	Geometry
<u>4548</u>	English 3	<u>4553</u>	American History
<u>4549</u>	English 4	<u>4558</u>	Global Studies
<u>5500</u>	Physical Science A	<u>4554</u>	Government
<u>5507</u>	Physical Science B	<u>5582</u>	Consumer Business
<u>5502</u>	Biology	<u>5516</u>	Work Keys
<u>5581</u>	CVE		

Sample Plan for students interested in Band/Choir and World Language

Year**9th Grade****10th Grade**

*English 1
 Science (Physical Science A/B, Biology)
 *Math (Algebra 1, *Geometry)
 Freshman Seminar
 Physical Education/Health
 Band OR Choir
 World Language (French 1, Spanish 1, Latin 1)

*English 2
 Science (Biology, Chemistry, Anatomy, Etc.)
 *Math (*Geometry, *Algebra 2)
 Global Studies
 Physical Education
 Band OR Choir
 World Language (French 2, Spanish 2, Latin 2)

Year**11th Grade****12th Grade**

*English 3
 *American History
 *Math (*Algebra 2, Pre-Calculus, Statistics)
 Consumer Economics / Elective
 Physical Education
 Band OR Choir
 World Language (French 3, Spanish 3, Latin 3)

*English Electives
 Government / Elective
 Physical Education
 Elective
 Elective
 Band OR Choir
 World Language (French 4, Spanish 4, Latin 4)

*Can be taken as an Honors/Advanced Placement course rather than a regular course.

Course pattern requirements for University Admission vary by institution.

(Recommended course pattern: 4 English, 3 Math, 3 Science, 3 Social Studies, and 2 years of the same Foreign Language)

Required Credits 27

We offer these courses in summer school for students interested in freeing up extra periods:

Honors Course Offerings:

English 4
 Math 3
 Science 2
 Global Studies 1
 American History 1
 Freshman Seminar 1
 Physical Education 3 ½
 Consumer Economics ½
 Government ½
 Health ½
 Electives

Global Studies
 American History
 Consumer Economics
 Government
 Health

English I, II, III, IV
 Geometry
 Algebra 2

AP Offerings:

Art
 Biology
 World History
 Literature
 Economics
 -Micro/Macro

Chemistry
 Calculus
 American History
 Language and
 Composition

Yearly Schedule Planning**Year****9th Grade****10th Grade**

- 1 credit 100 English 1 OR 101 Honors English 1
- 1 credit 154 Algebra OR 1 credit 168 Honors Geometry
- 1 credit 213 & 214 Physical Science A/B OR
1 credit 202 Biology
- 1 credit 320 & 339 Freshman Seminar
- ½ credit 251 Health AND
½ credit of PE-see page 43 for choices
- Elective
- Elective

- 1 credit 103 English 2 OR 104 Honors English 2
- 1 credit 167 Geometry OR 1 credit 168 Honors
Geometry
OR 1 credit 155 Algebra 2
- 1 credit 202 Biology OR 1 credit Science Electives
- 1 credit 176 Global Studies
- 1 credit of PE-see page 43 for choices
- Elective
- Elective

Year**11th Grade****12th Grade**

- 1 credit 105 English 3 OR 133 Honors English 3
- 1 credit 155 Algebra 2 OR 1 credit 157 Pre-Calculus OR
1 credit of 169 Statistics
- 1 credit 178 American History
- ½ credit of Consumer Economics/ ½ credit Elective
- 1 credit of PE-see page 43 for choices
- Elective
- Elective

- 1 credit of Grade 12 English Electives
- 1 credit of PE-see page 43 for choices
- ½ credit 181 Government/ ½ credit Elective
- Elective
- Elective
- Elective
- Elective

(Consumer Economics can be waived if Business Concepts 1 & 2 are completed successfully)

