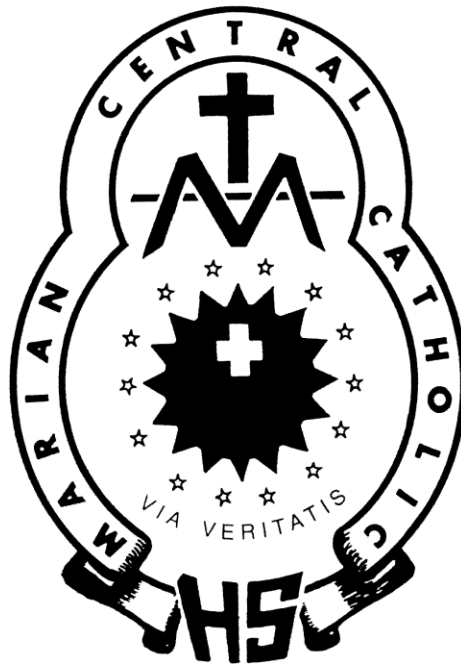


Marian Central Catholic High School



Curriculum Guide 2019-20

NURTURING FAITH ~ IMPARTING KNOWLEDGE ~ INSPIRING ACHIEVEMENT

CURRICULUM GUIDE

2019 - 20

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COURSE REGISTRATION

PROCEDURES

1. Use this guide to help plan your courses for the upcoming 2019-20 school year by making tentative course selections.
2. Complete the appropriate planning sheet in this guide and bring it with you when you are scheduled to register.
3. Registration will take place during the month of February.
4. The registration fee is \$275. It is non-refundable. If the fee is paid by February 15, 2019, a discount will be allowed making the amount due \$200.
5. All returning students will be scheduled to register with a Guidance Counselor. After the registration fee has been paid, including any AP fees, a student's course selections will be entered in the scheduling system.
6. Due to limited enrollment in some classes, it is advisable that all registration fees are paid in a timely manner. Should a course fill up prior to a student's registration fee being paid, he/she will be enrolled in an alternate course.
7. Incoming Freshmen are required to make a non-refundable tuition down payment in addition to paying the registration fee.

NON-REFUNDABLE FEES

<u>Registration</u>	\$275.00 (\$200 if paid by February 15th)
<u>Advanced Placement Course</u> (Fee must be paid through Guidance before student is registered in course)	\$95.00
<u>Course Change Fee</u>	\$30.00 (after March 20, 2019)

ACADEMIC PROGRAM

INTRODUCTION

This curriculum guide has been designed to present the educational program that is offered at Marian Central Catholic High School. Marian shares with parents and parishes in the teaching mission of the Church in McHenry County. In light of the school's mission to "welcome all who seek the Truth and strive to live by it" and "form students in mind, body, and soul through our college preparatory curriculum," Marian encourages students to pursue excellence through the curricular opportunities available.

SCHEDULE PLANNING

Concerned participation of parents, students, and school staff is the key to student success in selecting appropriate courses. Parents who take an active part in helping the student make appropriate choices share with the school staff the responsibility of directing the student toward the program that will meet his/her optimum needs. The more informed a student becomes, the better s/he will be able to make decisions concerning the future.

Marian's Guidance Department and Administrators will assist students in making appropriate class schedule choices. When planning a program please note that there are courses in the curriculum that are designed for specific levels of instruction and some that demand a certain background in order to perform at an expected level.

Parents and students should keep a record of the number of credits a student has already earned. The Plus Portals report card indicates the number of cumulative credits the student has earned. Each student is responsible for making their own arrangements to make up required courses that s/he has failed. The student's program should include those courses necessary to meet graduation requirements (24 credits) and post-high school career plans.

TIME SCHEDULE

The educational schedule for an uninterrupted school day is divided into seven forty-seven minute class periods.

ACADEMIC RESOURCE PROGRAM

Marian Central Catholic High School has high expectations for all students and provides a challenging course of studies with an emphasis on a rigorous core curriculum. Within this defined curriculum, Marian Central strives to meet the needs of **all** students.

Marian Central's Academic Resource Program serves students who need additional academic support to succeed in a college preparatory environment. Students accepted in this program have a diagnosed disability that affects their educational performance. The program provides an increased level of support whereby individual goals are addressed and appropriate accommodations within the general education setting are provided through the development of an Individual Services Plan (ISP). Accommodations are handled through the Marian ISP which is developed using documentation of the student's disability and is provided by the parent. All accommodations are confidential between the family, faculty and the Director of Academic Resource.

Academic Resource at Marian Central is available for any student with documentation of a need for academic accommodations. Accommodations are classroom-based alterations. They do not change the curriculum, just

the way the student accesses it. Students at the lowest level of support may be enrolled in honors or AP classes and have the option of a study hall available. Students with a moderate need for support may be enrolled in all regular or even some co-taught classes and have a study hall highly recommended. Students with the highest level of support may be in the Math, English, and Science resource classes or co-taught classes. These students will also require a mandatory study hall in their schedule.

The goal of Marian Central's Academic Resource Program is to teach students to become self-advocates for their individualized learning needs as they move to the college level. The Academic Resource Program Director is in regular contact with students' content area teachers and parents, as well as the student directly. Families interested in enrolling their student in this program are to contact the Academic Resource Director.

ACADEMIC ASSISTANCE

There are varieties of avenues in which students can receive additional assistance and be successful in their classes.

- Students may obtain help from teachers before or after school by making appointments with individual teachers.
- Marian also provides a lunchtime Writing Lab and Math Lab that provide students with individualized assistance as needed from a designated teacher overseeing honors and AP students with a desire to assist others.
- A peer-tutoring program is available for students through the National Honor Society. To access the NHS tutoring program, parents or students are to contact the Guidance Department.
- Online monitoring of grades is available to all families through the school's web-based grading portal.

Marian Central respects the individuality and personal needs of each student, and we do so within our curricular standards. We offer a challenging curriculum that provides students the opportunity to reach their educational goals. Ultimately, however, it is the student's responsibility to put forth the needed effort in order to achieve success in the school's program.

HONORS COURSES

Eligibility for freshman level honors and advanced placement courses is determined by a selection committee based upon a qualifying score on the Marian High School Placement Test, standardized assessment results from middle school, and Department Head approval. Each department, based upon work habits and past performance, determines eligibility for sophomore, junior, and senior level honors courses. Enrollment in an honors or an advanced placement course is limited due to the nature of the course. Enrollment in these challenging courses is for mature students who have already developed academic responsibility and solid work habits. Students in these rigorous courses should expect extensive assignments and must assume responsibility for daily class participation. Only those students whose skills and past academic records are the strongest in relationship to the available candidates are selected for these advanced courses. The following honors courses are available:

Business:	Innovative Design and Entrepreneurial Applications (IDEA) - H
Engineering:	Engineering Design and Development - H, Engineering Coding - H
English:	English 1-H, English 2-H, English 3-H
Mathematics:	Algebra 1-H, Geometry-H, Algebra 2-H, Advanced Mathematics w/Trigonometry-H, Calculus-H

- Music: Advanced Chorus-H, Advanced Band-H
- Performing Arts: Theater 2-H
- Science: Biology 1-H, Chemistry 1-H, Comparative Anatomy & Physiology H, Chemistry 2-H
- World Languages: French 3-H, Spanish 3-H, French 4-H, Spanish 4-H

ADVANCED PLACEMENT COURSES

The Advanced Placement Program provides students with the opportunity to pursue college-level studies while still in secondary school to receive advanced placement or credit or both, upon entering college. Each department, based upon work habits and past performance, determines eligibility for Advanced Placement courses. *Students who enroll in an advanced placement course are expected to take the advanced placement exam.* The College Board charges a fee for each exam taken. As a result, students who enroll in an advanced placement course must pay a non-refundable \$95 course fee, which includes the cost of the exam. The Advanced Placement course fee is to be paid in Guidance at the time of registration in order to be scheduled in the course. Advanced Placement courses are offered in the following:

- English: AP English Language and Composition, AP English Literature and Composition
- Mathematics: AP Calculus AB, AP Statistics
- Social Sciences: AP Human Geography, AP World History: Modern, AP U.S. History, AP Psychology, AP U.S. Government and Politics, AP Comparative Government and Politics, AP Macroeconomics, AP Microeconomics
- Science: AP Biology, AP Chemistry, AP Physics 1, AP Physics C: Electricity and Magnetism; AP Physics C: Mechanics

DUAL CREDIT OPTIONS with MCHENRY COUNTY COLLEGE

Students who enroll in Marian’s regular, one semester American Government course (0.5 credits) will (once appropriate forms are filled out) simultaneously be enrolled in McHenry County College and have the potential to earn three (3) college credits after the successful completion of our American Government course.

MCHENRY COUNTY COLLEGE PARTNERSHIP FOR COLLEGE AND CAREER SUCCESS PROGRAM

McHenry County College’s Partnership for College and Career Success (PCCS) program gives the student a chance to start working on a professional certificate or associate's degree while still in high school. Although Marian does not also offer high school credit for these programs, students will be allowed to participate in select classes, which, in turn, will require enrollment in a first hour study hall. Registration and tuition for these courses are handled directly through MCC. Students provide their own transportation. (See page 10 for course offerings)

SUMMER SCHOOL COURSES

Marian Central now offers a credit-earning summer program to provide upperclassmen to free up their school-year schedule to take courses they may not otherwise be able to take due to required courses. Summer school courses will typically begin the week following the end of the school year. Marian does not provide transportation. Attendance for summer school courses is mandatory. Students who accumulate more than 2 days of absences for any reason will be dismissed without a refund. Chronic Tardiness will be deducted in minutes for absences. The grade and credit for a course taken during the summer will be included on the

transcript. (See page 10 for course offerings) Students will be offered classes based on receipt of the 2019-20 registration fee and then placed upon receipt of the summer school fee. A waiting list may be developed if needed.

SUMMER SCHOOL CAMPS

Marian Central offers several fee-based educational camps for the summer. There is typically a limit on enrollment and registration is on a first come, first serve basis. Marian does not provide transportation. (See page 44 for camp offerings)

CORRESPONDENCE COURSES (CREDIT RECOVERY)

Students who must make up credit take correspondence courses, for the most part. Normally, no more than 2.5 credits through correspondence and/or other approved makeup course work may be counted toward graduation. If a course is taken as part of credit recovery for a required course, student must successfully pass the credit recovery course by the end of the semester following the semester in which the failure occurred. (Summer would be considered the semester after spring) The Principal, prior to enrolling in the course, must approve all correspondence courses.

GRADE CLASSIFICATION

A student must have earned six units of credit for sophomore standing, twelve units of credit for junior standing, and eighteen units of credit for senior standing.

COURSE CHANGES

After the official class registration in February, final decisions are made as to the number of sections for classes as well as for staffing considerations. The Administration makes decisions at this time so that they can secure the most qualified individuals for the staff for the coming school year. Sometimes because of student enrollment patterns, the student's original course selections may need to be altered and new course selections made.

Because scheduling information and staff needs are based on the students' original registration, we discourage students from adding or dropping courses. However, a student who wishes to drop or add a class after registration must contact the Guidance Department. After obtaining permission of one of the guidance counselors, a course may be dropped or added. **Students who are allowed to change their schedule will be assessed a \$30 processing fee for schedule changes made after March 20, 2019.**

CHANGING LEVELS

Marian Administration and Staff pride ourselves in ensuring that we guide our students to select courses in which they can be appropriately challenged as well as successful in. If, however, there comes a point in which a significant discrepancy between the student's performance and the expectations for that class is clearly identified, a level change may be considered. A Level Change Form will require a teacher, parent, student, counselor and department head's signatures and must be approved by the Principal. A Level Change Form can be found in the Guidance Office. If there is not a consensus in placement recommendation, a conference should be held among parent, teacher, student and department head to determine appropriate placement. Please understand that changes, if approved, can only occur at the end of a grading period and as the student's schedule permits. Additionally, certain courses have a specified deadline in which to change. No changes will be made to accommodate personal preference.

GRADUATION REQUIREMENTS

CREDITS

Marian Central requires twenty-four (24) credits for graduation:

Credits	Department/Courses
4	English
2	Fine Arts Credits: World Languages, Art, Music, or Theater (Changed for 2019/20 school year)
3	Mathematics
3	Physical Education/ Health/First Aid
3	Science (Biology included)
3	Social Sciences (Consumer Economics, Government, U. S. History) (Change from 2 Social Sciences to 3 Social Sciences requirement effective beginning the Class of 2023)**
4	Theology
2	Electives (Change from 3 elective to 2 elective requirement effective beginning the Class of 2023)**
24	Total

** Marian Central has determined that in order to better prepare our students for college, it is important that we increase the social studies graduation requirement from 2 credits to 3 credits. Although currently enrolled students are encouraged to take 3 Social Science credits prior to graduation, students in the class of 2020, 2021, and 2022 are grandfathered, and therefore allowed to meet the previous graduations requirements of 2 Social Science credits and 3 Electives.

The minimum course load for each student, each semester is six (6) credits taken at Marian Central. Each student must earn a passing grade in United States History and a Constitution test covering the Federal and State Constitution, the Declaration of Independence, voting procedures and flag etiquette.

All students must successfully complete six credits per year. All required courses **and** the required number of electives that will count toward graduation must first be taken at Marian Central. Additional elective courses may be taken in an approved summer program. Failures in required courses must be repeated and passed in an approved program. Failures in elective courses may necessitate the student making up the deficient credits in an approved summer program. A student lacking these requirements will be placed on academic probation and may not be able to continue his/her education at Marian Central.

Physical Education Policy

All students at Marian Central Catholic High School High School must be enrolled in PE for every year enrolled in high school (up to 4 years) with the exception of juniors & seniors who may qualify for a graduation requirement waiver.

PHYSICAL EDUCATION WAIVERS

1. Juniors or seniors may request waivers from PE according to the guidelines defined under PROVISIONS.
2. Students seeking provisions must have all the PE credits required for junior status (i.e.: 2) or senior status (i.e.: 2.5) physical education/health/first aid credits. Students requesting waivers in this case will be asked to complete the waiver request form available from the class counselor. The request will be reviewed by the counselor and acted upon by the principal.
3. Students seeking provisions must enroll in seven (7) credit bearing courses for graduation, and, therefore, may not be enrolled in study hall

4. Under this exemption, any student dropping or losing any class during the school day will necessitate an immediate return to PE.
5. Requests must be made on the form entitled "PE Waiver Request Form" available in the Guidance Office.
6. Waiver requests should be completed and turned in during registration.
7. Each request for exemption will be verified, and eligibility will be determined, on a case-by-case basis by the Director of Guidance and approved by the Principal.
8. Completed forms will be kept on file in the Guidance Office.
9. Waivers will be approved for one semester at a time but may be reviewed for an additional semester if circumstances warrant.
10. If a student on a PE waiver drops the course in which the exemption was made, the student will lose his/her physical education waiver and will be placed back into a physical education class.

PHYSICAL EDUCATION WAIVER PROVISIONS

The following provisions are the only provisions by which senior students will be exempt from physical education courses.

PROVISION 1 - COLLEGE ADMISSION REQUIREMENTS

A student must waive PE in order to be able to take a course or courses, which are specifically required for admission to college.

PROVISION 2 - LOCAL GRADUATION REQUIREMENTS

A student who lacks sufficient course credit of one or more courses required by state statute or local school board policies for graduation may request a waiver from physical education. This waiver will allow the student to take seven (7) courses in their schedule and will fulfill Marian Central Catholic High School graduation requirements in the areas for which the student is deficient.

Students who have failed required courses, transferred into the district with deficient credits, or who lack credits due to other causes will be in-eligible to apply for the above exemption.

COLLEGE BOUND STUDENTS

Appropriate academic preparation for college-level studies is important. Students who enter with a strong college preparatory curriculum have a better chance to succeed academically and are more likely to be admitted to the programs of their choice. Many four-year colleges and universities have set these minimum high school course requirements for admission.

- 4 credits of English
- 3 or 4 credits of Mathematics
- 3 or 4 credits of Laboratory Sciences
- 3 credits of Social Sciences
- 2 or 3 credits of the same World Language
- 1 credit of Fine Arts (Music, Art, or Theater)

****Please note that successful applicants to highly selective colleges and universities and competitive direct admission programs typically exceed these requirements listed above. In order to ensure that the student has chosen the required courses for the potential college or university of his/her choice, please check with each school for a specific list of admission requirements.**

COLLEGE BOUND ATHLETES: NCAA Eligibility

For those students who plan to play sports at an NCAA Division I or II school, there are specific academic requirements including

- Graduation from High School
- Completing 16 NCAA-approved core courses
- Earning a minimum GPA
- Earning an ACT or SAT score that matches the student's core-course GPA

The Marian Central Catholic High School Curriculum Guide indicates NCAA-approved courses with a red asterisk (*) after the course title.

For more information, please go to the NCAA Eligibility Center website at www.eligibilitycenter.org.

BUSINESS DEPARTMENT

PHILOSOPHY

The Business Department is dedicated to the principles and daily classroom instruction of Catholic values and beliefs in the instruction of real-world business applications in Computer Applications, Accounting, Business Law, Marketing and Entrepreneurship.

ACCOUNTING 1

Grades: 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

This course addresses the needs of students who want a foundation in basic accounting. The course emphasizes the accounting procedures for service and merchandising businesses and the use of the general ledger approach. Also covered are payroll and banking procedures, accruals and deferrals, and an overview of income taxes.

ACCOUNTING 2

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: C or higher in Accounting 1 each semester and Departmental determination

This course provides an in-depth study of accounting methods for a sole proprietorship, partnership, and corporation. The accounting methods of budgeting, managerial decision-making, and formal financial statement analysis are introduced to the students. In addition, students are required to complete a computerized simulation set using Excel software.

COMPUTER APPLICATIONS

Grades: 9 10 11 12 Length: Semester (only offered Semester 1)
Credit: 0.5 Value Scale: Regular
Prerequisites: None

The course is designed to enhance computer application skills in Microsoft Office 2016 Professional Suite. The course focuses on Microsoft Office 2016 Professional Suite – Word, Excel, PowerPoint and Access. Due to the nature of this course, this will be a self-guided learning environment with instructor oversight and feedback.

INTRO TO DESKTOP PUBLISHING

Grades: 10 11 12 Length: Semester (only offered Semester 1)
Credit: 0.5 Value Scale: Regular
Prerequisites: Computer Applications or Departmental Determination

This lab-based class will cover a business approach to Desktop Publishing with Graphics. We utilize Microsoft Publisher and integrate Adobe Illustrator, Photoshop and Publisher. Students are exposed to the use of digital cameras, scanners, animation software and sound files to enhance their publications. Due to the nature of this course, this will be a self-guided learning environment with instructor oversight and feedback.

INTRO TO PHOTOSHOP

Grades: 9 10 11 12 Length: Semester (only offered Semester 2)
Credit: 0.5 Value Scale: Regular
Prerequisites: Computer Applications or Departmental Determination

This lab-based class will cover the work environment of Photoshop CS4 extended. The student will learn the fundamental skills needed to utilize the tool sets when working with selections, layers, masks, channels, photo retouching, image enhancing and graphic manipulation, effects, and color correction for creating optimized images for print or the web. Due to the nature of this course, this will be a self-guided learning environment with instructor oversight and feedback.

INTRO TO WEB DESIGN

Grades: 9 10 11 12 Length: Semester (only offered Semester 2)
Credit: 0.5 Value Scale: Regular
Prerequisites: Computer Applications or Departmental Determination

Web design takes a business-oriented approach to Web design from developing to launch. Utilize HTML and Adobe CS4 Premium (Dreamweaver) in implementing, maintaining and updating a professional Web page. Students are exposed to the use of digital cameras, scanners, animation software and sound files to enhance their sites. Due to the nature of this course, this will be a self-guided learning environment with instructor oversight and feedback.

BUSINESS LAW

Grades: 10 11 12 Length: Semester (offered only Semester 1)
Credit: 0.5 Value Scale: Regular
Prerequisites: None

This course in business and personal law helps students to study the evolving set of rules that form our legal structure. The student's attention is focused on both the substance and the process of our legal system and understanding legal issues in the core topics of business law, integrated with the most relevant personal law topics.

BUSINESS MARKETING

Grades: 10 11 12 Length: Semester (Offered only Semester 2)
Credit: 0.5 Value Scale: Regular
Prerequisites: None

This course in business marketing is designed to enable students to understand and apply marketing, management, and entrepreneurial principles; to make rational economic decisions; and to exhibit social responsibility in a global economy. Students will develop an understanding of the foundations of marketing in addition to applying the functions of marketing. The course will train students in distribution, financing, marketing-information management, pricing, product/service management, promotion, and selling.

INNOVATIVE DESIGN AND ENTREPRENEURIAL APPLICATIONS (IDEA) – H * (Offered as a Dual Credit Class with McHenry County College)

Grades: 10 11 12 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: At least one business class taken previously, preferred.

This course is designed to inspire students to become entrepreneurs. Students will be interacting with a variety of community and business experts as they create and develop their own product or service. Students will be developing a business model, experimenting and testing the model throughout the year. They will also learn and apply business concepts such as designing and constructing their product/service, marketing, accounting, and understanding the legal aspects of running a business. Students hone their collaboration skills as they work in student teams, learning directly from business mentors and coaches from the local community. Commitment to full year & lab fee may be required.

ENGINEERING DEPARTMENT

ENGINEERING: DESIGN and DEVELOPMENT - HONORS

Grade: 11 12

Length: Year

Credit: 1

Value Scale: Honors

Prerequisites: B or higher in previous math course each semester

This course offers students an introduction to various aspects of engineering. The course assumes no previous knowledge of engineering. The course covers the foundational components of systems engineering, the concept development stage every viable system must go through, and the process steps of the engineering development stage. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

ENGINEERING: CODING - HONORS

Grade: 11 12

Length: Year

Credit: 1

Value Scale: Honors

Prerequisites: B or higher in previous math course each semester

This course will cover programming techniques using the JAVA language. There is no previous programming experience required. You will learn how to code using the JAVA language using OOP. During this course, you will understand variables, documentation, loops, conditional statements, classes, methods, arrays, inheritance, exception handling, files, recursion, and input output. In addition to this, you will also learn how to write apps.

ENGLISH DEPARTMENT

PHILOSOPHY

The English program is designed to improve the students' awareness of the important role that the English language and its literature play in their lives and of the various applications in public and private discourse. The English program emphasizes the development of critical reading skills and the ability to express and communicate ideas. It is designed to provide experiences and activities that will help the student become a discriminating reader, an effective speaker, and a skillful writer.

ENGLISH 1A*

Grade: 9 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

This freshman English course is designed to provide students with skills necessary for success in future English courses. Students will receive instruction in reading skills, grammar, vocabulary study, writing, literature study, and note taking. A smaller class size will allow for more individualized attention to the areas of need for each student.

ENGLISH 1*

Grade: 9 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

This course presents a study of literary types with an emphasis on short stories, novels, plays and poetry. Students develop an awareness of literary terminology and an appreciation of various writing styles and intents. Writing assignments of varied purposes and lengths will be given. Vocabulary study and grammar skills are integrated into the course.

ENGLISH 1- HONORS*

Grade: 9 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Committee determination including...
 An A each grading period of eighth grade English
 Qualifying score on the Marian placement test
 Qualifying levels on 8th Grade Measures of Progress

This course offers an in-depth study of various challenging literary selections. Through reading selected pieces, students develop an awareness of literary terms and styles. Students will develop analytical writing skills in a variety of assignments. A formal vocabulary study and rigorous grammar program, as well as speech activities, are integrated into the course.

ENGLISH 2A*

Grade: 10 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: English 1A or 1

This course is designed to provide students with skills necessary for success in future English courses. Students will receive instruction in reading skills, grammar, vocabulary study, writing, literature study with a focus on American literature, and note taking. A smaller class size will allow for more individualized attention to the areas of need for each student.

ENGLISH 2*

Grade: 10 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: English 1A with an A each semester and Departmental determination or English 1

This course presents a survey of American literature as a basis for study, discussion, and writing activities. In language study, the course focuses on vocabulary, grammar, and composition.

ENGLISH 2 - HONORS*

Grade: 10 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: B or higher in English 1 Honors each semester;
 or an A each semester in English 1 and Departmental determination

This course is a survey of American literature emphasizing reading, analysis and discussion. In language study, the emphasis is on writing critical essays and developing critical thinking skills. This course presents a more challenging vocabulary program and literary sections that are more demanding.

ENGLISH 3A*

Grade: 11 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: English 2A or English 2

This course is designed to provide students with skills necessary for success in future English courses. Students will receive instruction in reading skills, grammar, vocabulary study, and writing and note taking for ACT preparation. Course includes a literature study with a focus on British literature. A smaller class size will allow for more individualized attention to the areas of need for each student. The successful completion of both the overall process and final research paper essay holds significant weight in a student passing this course.

ENGLISH 3*

Grade: 11 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: English 2A with an A in each semester and Departmental determination or English 2

This course presents a survey of British literature as the basis for study and discussion. A vocabulary program and ACT test preparation are part of the course requirements. A variety of writing assignments will be assigned throughout the year. The successful completion of both the overall process and final research paper essay holds significant weight in a student passing this course.

ENGLISH 3 - HONORS*

Grade: 11

Length: Year

Credit: 1

Value: Honors

Prerequisites: B or higher in English 2 Honors each semester;
or an A each semester in English 2 and Departmental determination

This course presents a survey of British literature organized to develop critical reading and group discussion skills. In the expository writing phase, skills in writing paragraphs and research techniques are emphasized. Directed outside readings are assigned during each quarter. Vocabulary study and grammar knowledge are emphasized, as they relate to preparations for the ACT test required of all juniors. The successful completion of both the overall process and final research paper essay holds significant weight in a student passing this course.

ENGLISH 4A (NEW)*

Grade: 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: English 3A or English 3

This senior English course is designed to provide students with skills necessary for success in future college courses and the vocational setting. Students will receive instruction in reading skills, grammar, writing, literature study, and note taking. A smaller class size will allow for more individualized attention to the areas of need for each student.

ENGLISH 4*

Grade: 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: English 3A with an A in each semester and Departmental determination or English 3

This course presents a thematic approach to contemporary and classic literature across cultures and genres, including non-fiction, short stories, poetry, speeches, graphic novel, film, novel, and drama for study and discussion. Formal writing assignments of varied styles and lengths will also be required throughout the year to reinforce the writing skills learned in earlier courses.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION*

Grade: 11 12

Length: Year

Credit: 1

Value Scale: AP

Prerequisite: A in English 2 Honors for each semester and Departmental determination;
B or above in English 3 Honors each semester and Departmental determination; or
A in English 3 each semester and Departmental determination

The purpose of this course, as stated by the College Board, is to help students "write effectively and confidently in their college courses across the curriculum and in their professional and personal lives." Students prepare for the AP English Language and Composition exam and may earn college credit. The course is organized according to the requirements and guidelines of the current AP English Course Description, and, therefore, students are expected to read critically, think analytically, and communicate clearly in both writing and speech. The AP Language & Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical

choices. Additionally, students read and analyze rhetorical elements and their effects in non-fiction texts, including images as forms of text, from many disciplines and historical periods.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION*

Grade: 12 Length: Year
Credit: 1 Value Scale: AP
Prerequisites: A in English 3 Honors each semester and Departmental determination; or
B or above in AP Language each semester and Departmental determination

This course includes readings in British, American, and World Literature. Students prepare for the AP English Literature and Composition exam and may earn college credit. Preparing for the Advanced Placement Examination in English is a cooperative venture between the students and the teacher. Students read widely and reflect on their reading through extensive discussion, writing and analysis. The teacher complements the efforts of the students by leading discussions, and by providing assignments that help students develop critical standards in their reading and writing. Students are expected to read books over the summer, and to keep a journal of ideas, topics, and questions relating to each work. Journals will be collected as part of the course work in the fall.

COMPOSITION & SPEECH*

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: C or higher in each semester of the two preceding years of English

This elective English course for college bound students focuses on writing and speaking activities. Using professional works as study models, students will develop skills in the areas of creative and expository writing. Students will study many forms of oral communication and present speeches of varied lengths and purposes.

PUBLICATIONS*

Grades: 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: B or higher in all previous English courses

This elective English course will provide students with the skills necessary to publish the yearbook and the school newspaper. Students will learn the journalistic writing, basic photography skills, computer layout techniques, headline writing, and copy-editing. The styles and techniques of writing editorials, sports articles, news articles, and feature articles will be emphasized. Students will also discuss other various types of media, including film, web, television, and advertising, time permitting. In addition to class work, students will be required to attend after school meetings and activities to meet publication deadlines for both the newspaper and the yearbook.

- Must commit to attending week-long introductory seminar prior to start of school
- Must commit to being available after graduation for yearbook completion

***Students in grades 11 and 12 may repeat this course ONLY with leadership expectations and approval from the instructor. Students must maintain a B or better in order to qualify for repeating this course.**

****Students who receive a D or lower for the first semester will be dropped from the course for the second semester due to the increased workload for both yearbook and newspaper deadlines for the remainder of the year.**

MATHEMATICS DEPARTMENT

PHILOSOPHY

The philosophy of the Mathematics Department is to provide all students with a challenging course of study that will build basic skills and develop a feeling for and an appreciation of the mathematical sciences. The department recognizes individual differences in both background and ability and offers its course selections accordingly.

MATH SEQUENCES

Three years of mathematics are required.

Pattern	Grade 9	Grade 10	Grade 11	Grade 12
1	Alg 1-A	Alg 1-B	Geom A	College Alg or Alg2
2	Alg 1	Geom	College Alg or Alg 2	Alg 2 or Adv Math w/Trig
3	Alg 1-H	Geom-H	Alg 2-H	Adv Math w/Trig-H
4	Alg 1-H	Geom-H	Alg 2-H	Calc-H; Calc AP; or Stats AP
5	Geom-H	Alg 2-H	Adv Math w/Trig-H	Calc-H or Calc AP or Stats AP
6	Geom-H	Alg 2-H	Calc-H or Calc AP	Stats AP

Only seniors are allowed to take two math courses concurrently.

CALCULATOR POLICY

For all regular and honors sections, Texas Instruments models that begin with TI-83, TI-84, or the TI-Nspire are required. **Students are preparing for the ACT in all levels of mathematics.**

ALGEBRA 1-B *(MCCHS 1 credit = NCAA ½ credit)

Grade: 10 Length: Year
Credit: 1 Value Scale: Regular
Prerequisite: Algebra 1-A

This is the second year of a two–year Algebra 1 sequence for sophomores that covers the factoring of polynomials, operations and applications with rational expressions, graphing lines, systems of equations, and operation with polynomials. A smaller class size will allow for more individualized attention to the areas of need for each student.

ALGEBRA 1*

Grade: 9 Length: Year
Credit: 1 Value Scale: Regular

This is a standard beginning course in Algebra. Topics covered include equations, inequalities, polynomials, algebraic functions, systems of equations, graphing on the number line and coordinate plane, radical expressions, and verbal problems.

ALGEBRA 1-HONORS*

Grade: 9 Length: Year
Credit: 1 Value Scale: Honors
Prerequisite: Departmental determination including:
An A each grading period of eighth grade math
Qualifying score on the Marian placement test
8th Grade Measures of Progress

The material taught in the Algebra 1 course will also be taught in this class with the pace being more accelerated and the expectations greater. The problems covered are more difficult. Additional topics such as quadratic functions and equations and rational exponents are also topics in this course.

GEOMETRY*

Grades: 10 11 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Algebra 1

The material covered in this course is based on Euclidean Geometry. Some of the topics are segments and angles, congruent triangles, parallel lines, quadrilaterals, similarity, circles, area, surface area and volume. Emphasis will be placed on deductive reasoning and writing deductive proofs.

GEOMETRY-HONORS*

Grades: 9 10 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: B or higher in Algebra 1 Honors each semester
Freshmen: Departmental determination including:
An A each grading period of eighth grade algebra
Qualifying score on the Marian placement test
8th Grade Measures of Progress

The material of the regular Geometry courses will be covered along with topics from Coordinate Geometry and Algebra. Students will be expected to maintain an accelerated pace and their proficiency in the course will be shown primarily by their writing and understanding of deductive proofs.

COLLEGE ALGEBRA*

Grades: 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Geometry A or Departmental determination

This course will strengthen algebraic fundamental skills such as operations with fractions, solving equations, factoring, working with exponents and basic graphing. This course will support students in applying these skills in both academic and consumer math applications. Applications range from polynomials and logarithms to mortgages and annuities.

ALGEBRA 2*

Grades: 11 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Completion of Algebra 1 and Geometry or Departmental determination

Topics covered in the course include polynomial manipulation, rational expressions, coordinate geometry, graphing (linear and nonlinear), systems of equations, matrix theory, exponential and logarithmic functions, and as time permits, conic sections, sequences, series, probability, and statistics. Preparation for the ACT is also provided.

ALGEBRA 2-HONORS*

Grades: 10 11

Length: Year

Credit: 1

Value Scale: Honors

Prerequisites: B or higher in Geometry Honors each semester

The material taught in Algebra 2 will be taught at an accelerated pace and the expectations are greater. The problems assigned are more difficult. The acceleration of the course will allow time for additional topics in Analytic Geometry and Trigonometry to be studied. Preparation for the ACT is also provided.

ADVANCED MATHEMATICS WITH TRIGONOMETRY*

Grades: 11 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Minimum grade of C each semester of Algebra 1, Geometry and Algebra 2

During the first semester, students will concentrate on trigonometry. Second semester topics will include sequences, series, exponential and logarithmic functions, combinatorics, and an introduction to probability.

ADVANCED MATHEMATICS WITH TRIGONOMETRY-HONORS*

Grades: 10 11 12

Length: Year

Credit: 1

Value Scale: Honors

Prerequisites: B or higher in Algebra 2 Honors each semester

This course is an introduction to many of the topics found in a college-level mathematics courses. Topics to be studied include trigonometry and its applications, logarithms, exponentials, matrices, sequences, series, counting principles, and probability. Students will be expected to maintain an accelerated pace.

CALCULUS-HONORS*

Grade: 11 12

Length: Year

Credit: 1

Value Scale: Honors

Prerequisites: B or higher in previous honors math course each semester and Departmental determination

This course is similar in content to a first-semester college calculus course. Limits, derivatives, and applications of derivatives, the definite integral, and applications of the definite integral make up the core of study for this course. Students will learn the “mechanics” of calculus and then learn how to apply those mechanics in a variety of problem-solving situations. To succeed, students will have to be able to interpret and apply calculus analytically, graphically, numerically, and verbally. A high level of competency in all prerequisite math classes is necessary for success in this class. The pace of this course is quite fast due to the amount of material that needs to be covered. Students must be willing to put in the necessary time to keep up. Students need to realize that they will be studying topics in mathematics that they have never seen before.

ADVANCED PLACEMENT CALCULUS AB*

Grade: 11 12

Length: Year

Credit: 1

Value Scale: AP

Prerequisites: B or higher in previous honors math course each semester and Departmental determination
A score of 63 or above on the math portion of the PSAT

This course is a rigorous exploration of analytical geometry and college calculus specifically designed to provide students with advanced placement opportunities in college mathematics curriculums. Students prepare for the AP Calculus exam and may earn college credit. This class is structured for students that may have college majors in mathematics, the physical sciences, engineering, and similar disciplines. Topics to be studied include limits, derivatives, integrals and their applications. Students will prepare for the AP exam and should assume considerable responsibility for the extensive work that this course demands.

ADVANCED PLACEMENT STATISTICS*

Grades: 12

Length: Year

Credit: 1

Value Scale: AP

Prerequisites: B or higher in previous honors math course each semester and Departmental determination

This course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students prepare for the AP Statistics exam and may earn college credit. Topics introduced the exploratory analysis of data and numerical techniques to study patterns, methods of valid data collection, probability as the tool for anticipating what distributions of data should look like and confirming models through statistical inference.

MUSIC DEPARTMENT

PHILOSOPHY

The goal of the Music Department is to develop self-sufficient, independent musicians. By careful instruction, the students must be able to call upon their own sensitivity to create the finest sound possible. Desire, drive, determination, dedication, and self-discipline are important qualities to be developed so those students can experience the satisfaction of performing music well. Individual preparation of music at home is a part of the routine to achieve fine musicianship and rewarding performances. To achieve these goals the music department has developed an aesthetically structured environment with enough flexibility to maintain an individualistic approach to education in music. By adhering to the above, all students will experience success.

BAND

Grades: 9 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Background in and ability to read instrumental music
Open enrollment for Freshmen
Audition for Sophomores, Juniors, and Seniors
All guitar students must audition

The members of this course make up the Concert, Pep and Jazz Bands. The Concert Band meets daily and performs two major concerts during the school year. All members enrolled in the instrumental music program will have the opportunity to perform varied styles of music. Emphasis will be placed on balance, blend, intonation, counting, scales, proper tone production, breath support, and sight-reading. All members of the Concert Band must participate in the Pep Band. The Pep Band performs for all home varsity football games, as well as some boys' basketball, girls' basketball and volleyball games. Participation in the Illinois High School Association (I.H.S.A.) Spring Solo and Ensemble Festival is strongly encouraged. Upon completion of his/her term in band, each student will possess a more in-depth knowledge of band literature, skill in music reading and interpretation, and practical sight-reading skills.

ADVANCED BAND

Grades: 9 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Audition required of all members, strong background in instrumental music

This class is the logical progression from band. This group will perform the most challenging of band literature. This group will perform two major concerts during the year. This group will combine with the members of the concert band for pep band events. The advanced jazz band members are chosen primarily from this group by audition. Members of the pit orchestra for the spring musical are also primarily from this band. Participation in the I.H.S.A. solo and ensemble festival is strongly encouraged, as well as auditioning for the Illinois Music Educators Association (IMEA) honors band.

ADVANCED BAND – HONORS

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Juniors: enrolled in band for both freshman and sophomore years
Seniors: enrolled in band for freshman, sophomore and junior years
B or higher in Band each semester

In addition to the regular course requirements for advanced band, a musical project will be required each quarter. Attendance at approved outside-of-school musical performances will also be required. Specific requirements to be provided by the instructor.

CHORUS

Grades: 9 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: A background in vocal music is helpful, but not required
Open enrollment for incoming Freshmen
Audition required for Sophomores, Juniors, and Seniors

The members of this group make up the Concert Choir. It meets daily and performs two major concerts during the year. All members enrolled in the vocal music program will have the opportunity to perform varied styles of music. Emphasis will be placed on balance, blend, intonation, counting, scales, proper tone production, breath support, proper diction, and sight-reading. All members of the Concert Choir will also participate in the Mass Choir. This group will perform for all of the All School Masses. Marian also offers Jazz Choir. The Jazz Choir performs pop music with the addition of choreography. Members of this group are chosen by audition. The Madrigal Singers perform music of an Old English flavor with the addition of period costumes. Both of these groups practice before or after school. Membership is also by audition. Participation in the Illinois High School Association (I.H.S.A.) Spring Solo and Ensemble Festival is strongly encouraged. Upon completion of his/her term in chorus, each student will possess a more in-depth knowledge of choral literature, skill in music reading and interpretation, and practical sight-reading skills.

ADVANCED CHORUS

Grades: 9 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Audition required of all members, strong background in vocal music, ability to read music.

This is a logical progression from concert choir. Members of this group will perform music of a higher degree of difficulty compared to the regular level choir. Much of this music will be performed a cappella and will cover a variety of styles. The group will also perform at the two major concerts during the year. This group will also join the concert choir for the All School Masses. Members will also be able to audition for jazz choir and madrigals. Participation in the IHSA solo and ensemble contest is strongly encouraged, as is auditioning for IMEA.

ADVANCED CHORUS – HONORS

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Juniors: enrolled in chorus for both freshman and sophomore years
Seniors: enrolled in chorus for freshman, sophomore and junior years
B or higher in Chorus each semester

In addition to the regular advanced chorus requirements, a musical project will be required each quarter. Attendance at approved outside-of-school musical performances will also be required. Specific requirements to be provided by the instructor.

PERFORMING ARTS

INTRODUCTION TO THEATER

Grades: 9 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

In this Fine Arts elective course, students will explore various ways to approach a play as a working script. Students would be given a whirlwind survey of theatre's history and evolution. Students will read several plays throughout the course of the year. Finally, students will be taught the technical aspects of theatrical productions: stage space and maintenance, set design, props, painting techniques, makeup, costumes, lights, sound and even directing and stage management. These lessons will be presented in a theatrical lab setting where lessons will be hands-on, as well as in theory. This course may not be repeated.

THEATER 2

Grades: 10 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Grade of "B" or higher in the Intro to Theatre course

In this Fine Arts elective course, students will continue to explore various ways to approach a play as a working script. Students will be exposed to several plays, playwrights, and writing styles throughout the course of the year, including, but not limited to, paradigm shifts in the theatre world and works of the twentieth and twenty-first centuries. Students will continue to grow and become more proficient in their craft as they build on and apply their knowledge from Introduction to Theatre. Teamwork and application of learned techniques will be highly emphasized in this course. Students will be responsible for coordinating all aspects of the production process by participating in scene work and production, as they work in cooperative groups to gain a thorough knowledge of the entire production process. Students will also delve into scene analysis and character building. Finally, students will create their own characters and build their own short scripts, focusing on storytelling, theme, characters and the dramatic structure of a scene/play. These lessons will be presented in a theatrical lab setting and classroom practicum.

Students in grades 11 and 12 may repeat this course ONLY with leadership expectations and approval from the instructor. Students must maintain a B or better in order to be qualify for repeating this course.

THEATER 2 Honors (NEW)

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Grade of "A" or higher in the Intro to Theater or Theatre 2 course

In this elective Fine Arts course, students will continue to explore various ways to approach a play as a working script. Students will be exposed to several plays, playwrights, and writing styles throughout the course of the year, including, but not limited to, paradigm shifts in the theatre world and works of the twentieth and twenty-first centuries. Students will continue to grow and become more proficient in their craft as they build on and apply their knowledge from Introduction to Theatre. Teamwork and application of learned techniques will be highly emphasized in this course. Students will be responsible for coordinating all aspects of the production process by participating in scene work and production, as they work in cooperative groups to gain a thorough knowledge of the entire production process. Students will also delve into scene analysis and character building. Finally, students will create their own characters and build their own short scripts, focusing on storytelling, theme, characters and the dramatic structure of a scene/play. These lessons will be presented in a theatrical lab setting and classroom practicum.

For the honors level Theatre 2 course, in addition to the regular course requirements, students will be required to complete two additional independent projects per quarter. These projects will be determined after a student/teacher conference and could include additional independent work in any of the following areas: play or performance reviews, script writing, producing, monologues or scene performances, tech designs (sets, props, costumes, lighting, sound), or directing. Specific requirements will be determined by the instructor and the student.

Students in grade 12 may repeat this course ONLY with leadership expectations and approval from the instructor. Students must maintain an “A” in order to qualify for repeating this course.

PHYSICAL EDUCATION DEPARTMENT

PHILOSOPHY

The Physical Education Department is designed as an integral part of the total education at Marian with the goal of helping students become committed toward achieving high levels of health, fitness training, and emergency preparedness. The Physical Education Department promotes physical fitness as a lifetime activity.

PHYSICAL EDUCATION 1/HEALTH

Grade: 9 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

The focus of this course is on personal fitness. Through various activities in the gym, weight room and in health classes, students will be able to develop a personal fitness program. Opportunities for participation in various team sports will also be provided. The health portion of the course is designed to help students learn the value of living a healthy lifestyle both physically and mentally. Material covered in this course will include fitness and wellness, substance abuse, and vaping.

PHYSICAL EDUCATION 2/FIRST AID

Grade: 10 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Physical Education 1/Health

This course reinforces the basic skills learned in freshman physical education. The sophomore physical education course teaches student more advanced skills necessary for many team and individual sports. The use of the weight room will also be part of the sophomore program. The First Aid unit provides students with the knowledge and skills, including being proficient in using CPR and AED to cope in an emergency medical situation until professional help arrives.

PHYSICAL EDUCATION 3

Grade: 11 Length: Semester
Credit: 0.5 Value Scale: Regular
Prerequisites: Physical Education 2/First Aid

This co-educational course reinforces the skills learned in freshman and sophomore physical education. The emphasis of this course is on lifetime activities.

PHYSICAL EDUCATION 4

Grade: 12 Length: Semester
Credit: 0.5 Value Scale: Regular
Prerequisites: Physical Education 3 or Junior PE waiver

This course not only reinforces the skills mastered in freshman, sophomore, and junior physical education, but also provides students with the opportunity to participate in individual sports and weight room activities.

FITNESS FOR LIFE

Grade: 12

Length: Semester

Credit: 0.5

Value Scale: Regular

Prerequisites: Physical Education 3 or Junior PE waiver

In this course, various training methods will be used to improve individual strength and flexibility. This is an activity course designed to help all students (athletic and non-athletic) gain an understanding of how to develop overall physical fitness including cardiovascular fitness, muscular strength, endurance, coordination, flexibility and relaxation techniques. Students will learn how to design a personal fitness plan that can be utilized after high school.

SCIENCE DEPARTMENT

PHILOSOPHY

The philosophy of the Marian Central Science Department encompasses two aims. One aim is to help students become acquainted with scientific facts and with the general ideas that are built upon them. The second aim is to understand what science is, to feel its spirit, to appreciate its methods and to recognize its limitations. Upon this understanding depends one's ability to participate intelligently in the life of our scientific age. In each course, we will emphasize the analytical science skills necessary to succeed on standardized tests and in college.

SCIENCE SEQUENCES

Three credits of Science are required; one of which must be Biology

Pattern	Grade 9	Grade 10	Grade 11	Grade 12
1	Gen Sci	Bio 1	Chem1	Physics
2	Phys Sci	Bio 1	Chem 1	Physics
3	Bio 1-H	Chem 1-H	CAP-H or AP Bio	Chem 2-H or AP Chem and/or Physics, AP Physics 1 or AP Physics C
4	Bio 1-H	Chem 1-H	Chem 2-H or AP Chem	CAP-H or AP Bio and/or Physics, AP Physics 1 or AP Physics C

GENERAL SCIENCE*

Grade: 9 10

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: None.

General Science is an introductory lab and lecture course explores the basic concepts of chemistry, physics, earth science and astronomy that are essential for helping students attain a better understanding of their physical environment. The course will involve exposure to the laboratory setting, the collection of data, and the analysis of the data to reach conclusions. Basic mathematical operations will be reviewed and used with the idea of improving skills in this area with focus toward reinforcing skills leading to better ACT performance. The course will give the students practice using scientific processes and applying them to an assortment of topics related to the science and technology within the context of modern society. A smaller class size will allow for more individualized attention to the areas of need for each student.

PHYSICAL SCIENCE*

Grades: 9 10

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Freshmen – Concurrent registration in Algebra 1 or Geometry

Physical Science is an introductory course designed to acquaint the student with the basic concepts of chemistry, earth science, and physics. Much emphasis will be placed on developing laboratory skills and a working knowledge of the Scientific Method. Many of the topics will require an understanding of basic algebra. Graphing, analysis of graphs and data, and analysis of experimental design will help build the skills necessary for success on the ACT and other standardized tests.

BIOLOGY 1*

Grades: 10 11 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Physical Science or General Science

This lab and lecture course is designed to develop an understanding of the (1) nature of scientific inquiry, (2) limitations of science, (3) diversity of life and interrelationships among organisms, (4) beauty and drama of the living world, (5) biological bases of problems in medicine, public health, agriculture and conservation, (6) historical developments of biological concepts, and (7) an understanding of our place in nature. Graphing, analysis of graphs and data, and analysis of experimental design will help build the skills necessary for success on the ACT and other standardized tests.

BIOLOGY 1–HONORS*

Grades: 9 10 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Freshmen – An A or B each grading period of eighth grade science and concurrent enrollment in Algebra 1-H or Geometry H
Sophomores – Departmental determination and concurrent enrollment in honors math

This lab and lecture course is arranged in six phases. The course first introduces biology as a science and describes how organisms interact and evolve. Part two relates the origin and development of life to the history of our planet. Parts three and four describe the mechanisms for continuity and change between generations. Parts five and six explore the systems either simple or complex that accomplish the regulation of all life processes. Graphing, analysis of graphs and data, and analysis of experimental design will help build the skills necessary for success on the ACT and other standardized tests.

COMPARATIVE ANATOMY AND PHYSIOLOGY HONORS*

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Minimum of Junior status.
Both Biology and Chemistry or General Science, Biology and Chemistry.
At least a B in all science courses each semester.

This elective provides students with the opportunity to do advanced study and gain college level information while still in high school. The course is designed to satisfy the requirements of both those students who plan a college major in the sciences or simply enjoy biological sciences. Previous knowledge is assumed. The focus of the course will be comparative anatomy and physiology of animals reinforced by dissection of representative specimens. Additional topics will include classification schemes and the evolutionary basis for them and a study of plan form and function. The course will be taught in a manner similar to that which a freshman in college might encounter. Recognition of variable relationships and form to function, as well as sequencing and other important skills will be reinforced.

ADVANCED PLACEMENT BIOLOGY*

Grades: 11 12 Length: Year
Credit: 1 Value Scale: AP
Prerequisites: A- or higher in Biology 1-Honors each semester and Departmental determination

AP Biology provides the equivalent of an introductory college biology course. The course is organized around four main ideas: the process of evolution drives the diversity and unity of life; biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis; living

systems store, retrieve, transmit and respond to information essential to life processes; and biological systems interact, and these systems and their interactions possess complex properties. In addition, there is a focus on developing the students' skills in science practices, including use of models to represent phenomena, mathematical analysis, experimental design, data collection strategies, and analysis of data. It is expected that students independently design and carry out experiments to pursue answers to problems posed by the instructor or the student. Students will have an extended period two-three times each week to accommodate the required laboratory experiments. Students may earn college credit if they do well on the AP exam.

CHEMISTRY 1*

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Biology 1, Algebra 1

Chemistry is a science, which deals with the relationships of matter and energy, and the change matter undergoes to form new and usable products. Some of the topics covered in this first year chemistry course are the structure of atoms and molecules, chemical formulas and equations, physical behavior of gases, properties of atoms and molecules, electrochemistry, and the relationship of chemistry to society and the environment. This course is suitable for students who will not pursue the subject further as well as those who will go on to take college chemistry. In line with this, the ACT skills of data interpretation, experimental design, and evaluation of models and inferences will be emphasized.

CHEMISTRY 1–HONORS*

Grade: 10 11 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: B or higher in Biology 1-Honors each semester; B or higher in the previous year's honors math course each semester; and concurrent enrollment in an honors math course or departmental approval

Chemistry 1-H is designed for those students with higher than average ability in science and math that may be, but not necessarily considering a career in a science and/or engineering field. Chemistry 1-H differs from Chemistry 1 in that the basic topics are covered in greater depth and in a quantitative manner. The ACT skills of data interpretation, experimental design, and evaluation of models and inferences will be emphasized.

CHEMISTRY 2–HONORS*

Grades: 11 12 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Minimum of Junior status. Both Biology and Chemistry. At least a B in all science courses each semester; B or higher in the previous year's honors math course each semester; and concurrent enrollment in an honors math course

Chemistry 2 is an advanced course that builds on topics learned in Chemistry 1 or Chemistry 1-H. It is recommended for students who have a strong interest in science, who want to improve their problem solving and thinking abilities, and who want to develop student skills that will help them prepare for the rigors of college work. Topics covered include an advanced look at the quantitative relationships associated with chemical reactions, ideal and real gas theory, atomic structure, intra- and intermolecular bonding theories, chemical kinetics and equilibrium, thermodynamics, electrochemistry, acid/base theory and acid/base equilibrium systems. Students taking this course should have a good mathematical background and be motivated to do independent work. Many topics will be taught at an advanced placement level. Laboratory work is an important part of the course and coordinates with the topics being studied. The ACT skills of data interpretation, experimental design, and evaluation of models and inferences will be emphasized.

ADVANCED PLACEMENT CHEMISTRY*

Grades: 11 12

Length: Year

Credit: 1

Value Scale: AP

Prerequisites: A- or higher in Chem 1-H each semester and Departmental recommendation; B or higher in the previous year's honors math course each semester; and concurrent enrollment in an honors math course

This course is designed to be the equivalent of a general chemistry course usually taken during the first year of college. A college-level textbook will be used. Units included will be: A Review of Stoichiometry and Gas Theory; Thermochemistry; Atomic Structure; Intramolecular Bonding; Bonding in Solids and Liquids + Simple Organic Chemistry; Advanced Properties of Solutions; Kinetics; Chemical Equilibrium; Solubility Product Constants; Thermodynamics; Electrochemistry; Simple Acid/Base Theory; Advanced Acid/Base Equilibrium. Included in this program will be additional time for laboratory work. Students will have an extended period two mornings each week to accommodate the required laboratory experiments. Students enrolled in this course should have excellent mathematical and writing skills, be able to and willing to do required independent work and study and be willing to take the advanced placement test in chemistry given each year in May. Students may earn college credit by doing well on this exam.

PHYSICS *

Grade: 11 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Minimum of Junior status.

Both Biology and Chemistry or General Science, Biology, and Chemistry.

This course is a laboratory-based, comprehensive and in-depth exploration of how the physical universe operates. Students enrolled in this course can expect movement through high-level materials at a comfortable pace and extensive reading, preparation, and problem solving outside of class. Labs will involve the use of calculators, scientific apparatuses, and computers to become proficient using tools of modern-day science.

ADVANCED PLACEMENT PHYSICS 1*

Grade: 11 12

Length: Year

Credit: 1

Value Scale: Honors

Prerequisites: C or higher in Algebra 2 each semester and concurrent enrollment in Adv Math w/Trig or higher math course

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Students should have a proficient math foundation through Algebra II Honors or be concurrently enrolled in a math course. Students will be completing much of their homework online, which will require a small additional fee. In addition, students may elect to use an online text at a substantial cost savings over a traditional text. Students must be willing to take the advanced placement test in AP Physics I given each year in May. Students may earn college credit by doing well on this exam.

ADVANCED PLACEMENT PHYSICS C: ELECTRICITY AND MAGNETISM*

Grade: 12 Length: Semester
Credit: .5 Value Scale: Honors

Prerequisites: B or higher in the previous year's honors or AP science course each semester; B or higher in the previous year's honors or AP math course each semester; and completion of or concurrent enrollment in Calculus; ***Students must enroll in both AP Physics C courses unless otherwise approved by departmental determination***

AP Physics C: Electricity and Magnetism is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. Students will be completing much of their homework online, which will require a small additional fee. In addition, students may elect to use an online text at a substantial cost savings over a traditional text. Students must be willing to take the advanced placement tests in AP Physics C given each year in May. Students may earn college credit by doing well on this exam.

ADVANCED PLACEMENT PHYSICS C: MECHANICS*

Grade: 12 Length: Semester
Credit: .5 Value Scale: Honors

Prerequisites: B or higher in the previous year's honors or AP science course each semester; B or higher in the previous year's honors or AP math course each semester; and completion of or concurrent enrollment in Calculus; ***Students must enroll in both AP Physics C courses unless otherwise approved by departmental determination***

AP Physics C: Mechanics is equivalent to a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout the course. Students will be completing much of their homework online, which will require a small additional fee. In addition, students may elect to use an online text at a substantial cost savings over a traditional text. Students must be willing to take the advanced placement tests in AP Physics C given each year in May. Students may earn college credit by doing well on this exam.

SOCIAL SCIENCES DEPARTMENT

PHILOSOPHY

The Social Sciences Department is dedicated to the integrated study of the social sciences and humanities in an effort to promote civic competence. Students of social science develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world. The department's course offerings aspire to help students acquire the skills essential to active citizenship in a democratic society, which will enhance their sense of their role in relation to the world. A social sciences education serves as a liberating force in the lives of all citizens, and as such, we seek to emphasize the essential connection between understanding of the social sciences, democratic values, and productive citizenship.

SOCIAL SCIENCES SEQUENCES

Required Courses:

Junior Year: U.S. History, or AP U.S. History; Consumer Economics or AP Macro/Microeconomics

Senior Year: U.S. Government and Politics, or
AP U.S. Government and Politics/AP Comparative Government and Politics

Elective Courses:

Freshmen: Geography & World Cultures, AP Human Geography

Sophomore Year: World History, Advanced Placement World History: Modern

Senior Year: Psychology, Psychology Advanced Placement, Contemporary Global Studies

GEOGRAPHY & WORLD CULTURES*

Grades: 9

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: None

We live in an interdependent, global community whose well-being depends in part on cross-cultural awareness, communication, cooperation, mutual respect, and understanding. This course emphasizes culture as the key to understanding and appreciating the humanity of diverse peoples through an in-depth study of the regions of Asia, the Middle East, Latin America, and Africa. This study begins with each region's geography followed by an examination of its resources, history, and social conditions. The impact that geographical conditions and historical experiences have on cultures will be examined. Finally, the students will study the role of culture in the world today through family organization, religion, economic life, social structures, and political trends. This course will emphasize individual and group projects.

ADVANCED PLACEMENT HUMAN GEOGRAPHY*

Grades: 9

Length: Year

Credit: 1

Value Scale: AP

Prerequisites: Qualified for Enrollment in English 1 Honors Required and/or Committee Determination

AP Human Geography introduces high school students to college-level introductory geography or cultural geography. The content is presented thematically rather than regionally and is organized around the discipline's main subfields: economic geography, cultural geography, political geography, and urban geography. The approach is spatial and problem oriented. Case studies are drawn from all world regions, with an emphasis on understanding the world in which we live today. Historical information serves to enrich analysis of the impacts of phenomena such as globalization, colonialism, and human-environment relationships on places, regions, cultural

landscapes, and patterns of interaction. Students will develop skills in approaching problems geographically, using maps and geospatial technologies, thinking critically about texts and graphic images, interpreting cultural landscapes, and applying geographic concepts such as scale, region, diffusion, interdependence, and spatial interaction, among others.

**** Students enrolled in this class will be required to maintain a C- or better at the end of the first semester in order to continue in the AP level. If a student earns a D+ or below first semester, the student will be required to move to an equivalent, non-AP level course for the second semester.**

WORLD HISTORY*

Grade: 10 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

This survey course traces the human experience from prehistory to the present. Emphasis is placed on global connections, cause and effect, and continuity and change, as well as comparisons among major societies. The study of Africa, the Middle East, South and East Asia, the Americas, and Europe offers a balance of world history. Major themes include intellectual developments, social, political, and economic history. Students will focus on the development of reading, writing, discussion, and library research skills.

ADVANCED PLACEMENT WORLD HISTORY: Modern*

Grade: 10 Length: Year
Credit: 1 Value Scale: Honors
Prerequisites: Minimum 3.5 cumulative GPA and/or Departmental Determination

This college-level course students investigate events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. AP World History: Modern is designed to be the equivalent of an introductory college or university survey of modern world history.

**** Students enrolled in this class will be required to maintain a C- or better at the end of the first semester in order to continue in the AP level. If a student earns a D+ or below first semester, the student will be required to move to an equivalent, non-AP level course for the second semester.**

UNITED STATES HISTORY*

Grade: 11 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

This survey course traces the development of the American experience from pre-Columbian times to the present. During the first semester, students will become familiar with the Columbian Exchange, the colonial period, and the American Revolution through the Civil War. The second semester will cover the Reconstruction period through the Cold War and Vietnam. Emphasis will be placed on relating the past to the present and recognizing the interrelated nature of geography, politics, economics, and history. Students will focus on the development of reading, writing, discussion, and library research skills.

ADVANCED PLACEMENT UNITED STATES HISTORY*

Grade: 11

Length: Year

Credit: 1

Value Scale: AP

Prerequisites: Minimum 3.5 cumulative GPA and/or Departmental Determination

This course presents a study of United States history with an emphasis on the analysis of primary source materials. Students will develop critical thinking skills through comparing and contrasting a variety of interpretations of historical events and trends. The course will require frequent written assignments and substantial amounts of supplementary readings. The goals of the course are to prepare students to succeed on the Advanced Placement exam, to promote effective citizenship and to develop a better understanding of American political, social, economic, and artistic trends. Students may earn college credit for this course dependent upon their score on the AP exam.

**** Students enrolled in this class will be required to maintain a C- or better at the end of the first semester in order to continue in the AP level. If a student earns a D+ or below first semester, the student will be required to move to an equivalent, non-AP level course for the second semester.**

CONSUMER ECONOMICS*

Grade: 11

Length: Semester

Credit: 0.5

Value Scale: Regular

Prerequisites: Junior requirement

This one semester course, which is required of all juniors for graduation purposes, examines the fundamental principles of economics and applies them to the student's role as current and future consumers. Emphasis is placed on developing an increasing awareness of ongoing economic problems and how they influence consumers of today. Students will raise their basic literacy of economics through the use of critical thinking, analysis and research of current problems in today's economy. Topics covered include scarcity, laws of supply and demand, stock market investing, money and banking, finance and career opportunities.

ADVANCED PLACEMENT MACRO/MICROECONOMICS*

Grade: 11

Length: Year

Credit: 1

Value Scale: AP

Prerequisites: Minimum 3.5 cumulative GPA and/or Departmental Determination

**The content of each semester will be integrated into a full-year course of study to prepare students to take BOTH the Macroeconomics and Microeconomics Advanced Placement exams.*

***Due to the structure of the course, students enrolled must be committed to a full year. Students taking this course are exempt from physical education junior year, with the completion of the exception qualifications found on pages 5 & 6 of this Curriculum Guide.*

This full year course is designed to be the equivalent of a college survey while also satisfying state and national requirements for consumer education. Using an integrated approach, content is organized in a way that is coherent and complimentary. Microeconomics concentrates on the function of individual decision makers within economic systems. Emphasis is placed on the product market, the factor market and the role of government to promote economic efficiency. Macroeconomics concentrates on entire economic systems. Emphasis is placed on measuring economic performance, income and price determination, the financial sector, stabilization policies, growth and open economics. By developing strong critical thinking skills through the understanding, application and analysis of economic concepts, students will be prepared to complete both the Microeconomics and Macroeconomics AP exams.

**** If a student earns an F first semester, the student will be required to move to an equivalent, non-AP level course for the second semester as credit recovery.**

UNITED STATES GOVERNMENT AND POLITICS* (Offered as a Dual Credit Class with McHenry County College)

Grade: 12 Length: Semester
Credit: 0.5 Value Scale: Regular
Prerequisites: None

This one semester course, required of all seniors for graduation, serves a dual purpose in examining the structure and functions of American government, while also focusing on the development of those academic skills necessary for success in college. Students will examine the philosophical and institutional foundations of government and the origins of American political theory. Special emphasis will be placed on the study of the U.S. Constitution and its interpretation by the Supreme Court. As part of this course, students will be required to pass a U.S. Constitution test. Students will then analyze basic American institutions and their role as active citizens in a democracy. Throughout this course, students will develop the organizational skills, study habits, and sense of personal responsibility required to achieve academic success beyond high school.

ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS/ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS* (Offered as a Dual Credit Class with McHenry County College)

Grade: 12 Length: Year
Credit: 1 Value Scale: AP
Prerequisites: Minimum 3.5 cumulative GPA, and/or Departmental Determination

**The content of each semester will be integrated into a full-year course of study to prepare students to take BOTH the US Government and Politics and the Comparative Government and Politics Advanced Placement exams.*

**Due to the structure of the course, students enrolled must be committed to a full year. Students are exempt from physical education senior year, with the completion of the exception qualifications found on pages 5 & 6 of this Curriculum Guide.*

AP United States Government and Politics course is intended to provide students with a detailed understanding of the structures and functions of American government. By the end of the course, students will be able to identify the major branches of government and describe the authority and responsibilities of each. Students will also understand the election process and recognize the differences between major political parties. Students will learn about judicial precedent and how constitutional law regarding civil liberties and civil rights has evolved over time. Finally, the course will examine current issues and public policy debates. This will require a great deal of critical thinking, analysis, and evaluation of primary source documents. Students are expected to emerge from the course with a critical understanding of the processes, strengths, and weaknesses of American government as well as an awareness of their own political views and the implications of those views.

AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues through analyzing and interpreting data to derive generalizations. Topics will include Politics, Political Institutions, Political and Economic Change, and

Public Policy. Students successfully completing this course will: compare and contrast political concepts, themes, and generalizations; describe and explain typical patterns of political processes and behaviors and their consequences; compare and contrast political institutions and processes across countries to derive generalizations; and analyze and interpret basic data relevant to comparative government and politics.

**** If a student earns an F first semester, the student will be required to move to an equivalent, non-AP level course for the second semester as credit recovery.**

PSYCHOLOGY*

Grade: 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

Psychology is a one-year course that covers the major theories of psychology. This course is designed to familiarize students with the nature of psychology, its basic structure, and its broad purposes in contemporary life. Students are introduced to human physiology, abnormal behavior, stress management, learning, memory, human growth and development. They are encouraged to apply the principles of psychology to their own lives. Particular attention is paid to essential social science skills in reading, analysis and application of research and data related to the patterns of human behavior. The goal of this course is for students to appreciate the commonality of all human behavior, while accepting the uniqueness of the individual.

ADVANCED PLACEMENT PSYCHOLOGY*

Grade: 12 Length: Year
Credit: 1 Value Scale: AP
Prerequisites: Minimum 3.5 cumulative GPA and/or Departmental Determination

This course will go beyond the standard psychology course and introduce students to a thorough systematic and scientific study of the behavior and mental processes of human beings. Students in this college level, national standards-based psychology course will learn how to apply fundamental psychological concepts and principles, and recognize phenomena associated with each of the major subfields within psychology. Students will learn about the ethics applicable to psychological inquiry and will expand critical thinking skills. The course will emphasize the writing of papers and essays to prepare students to succeed on the advanced placement exam.

**** Students enrolled in this class will be required to maintain a C- or better at the end of the first semester in order to continue in the AP level. If a student earns a D+ or below first semester, the student will be required to move to an equivalent, non-AP level course for the second semester.**

CONTEMPORARY GLOBAL STUDIES*

Grade: 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: None

This course is an in-depth examination of regions around the world. The curriculum will include economic, political and social issues facing the regions today, as well as setting them in their cultural and historical context. A great deal of emphasis is placed on the use and development of specific Social Sciences skills including test taking, writing, public speaking, technology and research. Student evaluation will include several independent research projects.

THEOLOGY DEPARTMENT

PHILOSOPHY

“The definitive aim of catechesis is to put people not only in touch but in communion, in intimacy, with Jesus Christ” (CT, 5). The Christological centrality of the Theology department’s curriculum is designed to not only learn the teachings of the Catholic Church, but also to be a vehicle for growth in one’s relationship with the Lord. In this way, students may come to personally know Jesus Christ, and live according to the truth he has given us. The Theology department also works to help students develop necessary skills to answer or address the real questions they face in life and in their Catholic faith. In this way, as disciples they not only participate more deeply in the life of the Church but are also better able to reach eternal life with God in Heaven.

THEOLOGY 1: DIVINE REVELATION AND JESUS CHRIST

Grade: 9 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Freshman standing

SEMESTER 1: THE REVELATION OF JESUS CHRIST IN SCRIPTURE

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

SEMESTER 2: WHO IS JESUS CHRIST?

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be.

THEOLOGY 2: SALVATION AND THE CHURCH

Grade: 10 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Sophomore standing

SEMESTER 1: THE MISSION OF JESUS CHRIST (THE PASCHAL MYSTERY)

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

SEMESTER 2: JESUS CHRIST’S MISSION CONTINUES IN THE CHURCH

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

THEOLOGY 3: THE SACRAMENTS AND MORALITY

Grade: 11 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Junior standing

SEMESTER 1: SACRAMENTS AS PRIVILEGED ENCOUNTERS WITH JESUS CHRIST

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

SEMESTER 2: LIFE IN JESUS CHRIST

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God’s plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ’s disciples.

THEOLOGY 4: SOCIAL JUSTICE AND VOCATIONS

Grade: 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Senior standing

SEMESTER 1: LIVING AS A DISCIPLE OF JESUS CHRIST IN SOCIETY

The purpose of this course is to introduce students to the Church’s social teaching. In this course, students are to learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission.

SEMESTER 2: RESPONDING TO THE CALL OF JESUS CHRIST

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community.

THEOLOGY 4: SOCIAL JUSTICE AND VOCATIONS: INTENSIVE STUDY

Grade: 12 Length: Year
Credit: 1 Value Scale: Regular
Prerequisites: Senior standing
B+ or higher each semester of all previous theological studies and/or Departmental determination

Students study the same material covered in the standard Theology 4 course but with more depth and at an accelerated pace. The course follows a seminar-style format, involving independent research, discussion, and lecture. Students must be willing to engage actively in these tasks, and be capable of high-level reading, conversation, and presentation. Other projects and trips may be planned in conjunction with this course.

VISUAL ARTS

PHILOSOPHY

The art department exists to stimulate and guide students in their total self-development and growth through the acquisition and utilization of knowledge and skills. Marian's art program strives for excellence through a sound learning process. We endeavor to teach art as a discipline that educates; a discipline in which student perception must be used thoroughly to provide immediate awareness, a contact with reality. A good art program must be ever cognizant of the creative process; the continued action and interaction between the student and his/her art. We recognize that the source of all competent art products must necessarily stem from the imagination. Our goal is teaching the student the necessary skills that will effectively transform thoughts and ideas into a concrete expression that shapes, reveals, and embodies what art is. Realizing the variety of personalities and abilities, we strive to provide a wide variety of content and media to encourage self-expression, self-development, and the appreciation of one's self and others as well as enriching art experiences.

ART 1

Grades: 9 10 11

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: None

Course Fee: \$60

Art 1 is a Fine Art elective course that introduces students to the fundamentals of art through the study of the elements and principles of design. This course will utilize a variety of materials and techniques for the students who have minimal art experience. Studio area covered: drawing, graphic design, painting, mixed media, sculpture, and pottery.

ART 2

Grades: 10 11 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Art 1

Course Fee: \$60

This sequential Fine Art elective course is planned to challenge the students who wish to increase personal skills and knowledge of art. A survey of art history and career choices in the field of art is essential components of this course. The potter's wheel will also be introduced.

ART 3

Grades: 11 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Grade of B+ or better in Art 2 and Departmental determination

Course Fee: \$60

This Fine Art elective course is a 2-dimensional art workshop for individual advanced study and college portfolio development. Students will work in their area of special interest in 2-dimensional art and learn to use the pottery wheel. Emphasis will be placed on the development of individual style and creativity.

ART 4

Grade: 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Grade of B+ or better in Art 3 and Departmental determination

Course Fee (Paid at Registration): \$60

This Fine Art elective course is a 3-dimensional art workshop for individual advanced study and college portfolio development. Students will work in their area of special interest in 3-dimensional art as well as in ceramics and sculpture. Emphasis will be placed on the development of techniques and individual style. Students' growth and creativity will be evaluated during the term of the course.

WORLD LANGUAGES DEPARTMENT

PHILOSOPHY

The World Languages Department at Marian Central Catholic High School believes that a world language should stimulate student awareness of different languages and a variety of cultural phenomena and promote comprehension-based communicative language acquisition. In particular, we will use TPRS (Teaching Proficiency through Reading and Storytelling). The departmental philosophy is achieved by the following departmental goals that equip students:

- a. to function in the target language and culture,
- b. to use the language for a lifetime of personal enjoyment and enrichment,
- c. to appreciate the role of Hispanic and French cultures in a global context, and
- d. to continue expanding their communicative proficiency for further education or for the workplace.

FRENCH 1*

Grades: 9 10 11 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisites: Enrollment in English 1 or above

Course/Tech Fee (paid at Registration): \$20

This course provides an introduction to the French language and to the culture of the French-speaking world. The basic objective of the course is twofold: (1) to help each student attain an acceptable degree of proficiency in the four skills of listening, speaking, reading, and writing, and (2) to present the language within the context of the French-speaking world and its culture. Students master language concepts that allow them to exchange information and express themselves meaningfully both in written and spoken formats. Audio-visual components introduce cultural aspects of the language that allow students to think more critically as they compare beliefs and behaviors of a new culture with their own. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

FRENCH 2*

Grades: 10 11 12

Length: Year

Credit: 1

Value Scale: Regular

Prerequisite: A minimum C average in French 1 and/or departmental determination

Course/Tech Fee (paid at Registration): \$20

French 2 presents a more complex structure of basic skill acquisition while continuing to expand the cultural knowledge learned in French 1. The aim of the second level is to continue the development of the basic skills of listening, reading, writing, and speaking. French 2 moves the learner from acquiring knowledge towards implementing knowledge of the French language through communication and conversation in the target language. French 2 also strives to introduce the learner to a greater variety of grammatical topics. The second level prepares the student to move towards French 3 Honors. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

FRENCH 3-HONORS*

Grades: 11 12	Length: Year
Credit: 1	Value Scale: Honors
Prerequisites: B or higher in French 2 each semester	
Course/Tech Fee (paid at Registration): \$20	

This course continues the study of the French language and the French culture. Through listening, speaking, reading, and writing the emphasis in learning will progress from skill acquisition to skill realization. Through activities such as literature, history, and cultural studies, the student will continue gaining a comprehensive cultural knowledge of the "francophone" world. Grammar elements and cultural concepts acquired during the first two years of study will be reviewed and reinforced. The class will be conducted mainly in French. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

FRENCH 4-HONORS*

Grade: 12	Length: Year
Credit: 1	Value Scale: Honors
Prerequisites: B or higher in French 3-H each semester	
Course/Tech Fee (paid at Registration): \$20	

French 4 Honors is a study of the cultural aspects of French society. Skill development will continue through the study of literature, history, geography, art, and music. Through listening, speaking, reading, and writing, the students will be able to further skill development by communication. The class will be conducted mainly in French. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

SPANISH 1*

Grades: 9 10 11 12	Length: Year
Credit: 1	Value Scale: Regular
Prerequisites: Enrollment in English 1 or above	
Course/Tech Fee (paid at Registration): \$20	

Students learn basic grammar and vocabulary to survive in the Spanish-speaking world through a variety of classroom activities that encourage interactive participation. Communication in Spanish flows naturally through all phases and skills of learning; listening, speaking, reading, and writing. Students master language concepts that allow them to exchange information and express themselves meaningfully both in written and spoken formats. Audio-visual components introduce cultural aspects of the language that allow students to think more critically as they compare beliefs and behaviors of a new culture with their own. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

SPANISH 2*

Grades: 10 11 12	Length: Year
Credit: 1	Value Scale: Regular
Prerequisite: A minimum C average in Spanish 1 and/or departmental determination	
Course/Tech Fee (paid at Registration): \$20	

Students continue to learn the language by engaging in the process of communication. Students are actively involved in comprehending and responding appropriately to oral and written materials. In all phases of learning; expanding the four skills of listening, speaking, reading, and writing; students are encouraged to speak within purposeful real-life contexts. Students will see and hear native Spanish speakers within culturally authentic contexts. They increase their understanding and acceptance of cultural differences by focusing as much on

what all people share as on what differences in culture separate them. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

SPANISH 3-HONORS*

Grades: 11 12	Length: Year
Credit: 1	Value Scale: Honors
Prerequisites: B or higher in Spanish 2 each semester	
Course/Tech Fee (paid at Registration): \$20	

Spanish 3 continues the integrated development of skills begun in Spanish 1 and Spanish 2 in order to take command of the language. Students are introduced to advanced grammar concepts and are encouraged to personalize language skills as well as to interact through a variety of tasks that are reality based. Listening, speaking, reading, culture, and writing skills are emphasized. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

SPANISH 4-HONORS*

Grade: 12	Length: Year
Credit: 1	Value Scale: Honors
Prerequisites: B or higher in Spanish 3-H each semester	
Course/Tech Fee (paid at Registration): \$20	

This course is primarily conducted in Spanish. Students continue their study of advanced grammar concepts while they participate in a variety of activities to expand their proficiency in conversation, reading, and writing skills. In-depth studies of the culture and Hispanic literature are done. As a result, students develop an appreciation and increased sensitivity to another culture. Course/Tech fee includes all online subscriptions and electronic resources provided by instructor.

OTHER SELECTIONS

STUDY HALL

Credit: None

Value Scale: None

Prerequisites: None

Study Hall is a structured learning environment where the teacher monitors students' appropriate use of time. Students are required to come prepared with the needed books and other material required for study. Students who need academic assistance should schedule a study hall in order to meet with the guidance counselor during this period.

MCHENRY COUNTY COLLEGE PARTNERSHIP FOR COLLEGE AND CAREER SUCCESS PROGRAM (PCCSP) OFFERINGS for 2019-20

(NEW) EARLY CHILDHOOD EDUCATION PROGRAM ECE219 & ECE214 (through McHenry County College only)

Grade: 11 12

Length: Semester (Spring) M-TH 7-8:20am @MCC

Credit: College Credit through MCC only

Value Scale: N/A

Prerequisites: (Prior to the start of class)

- [Registration, fees and additional acceptance criteria through MCC](#)

ECE-219 ERLY CHI SCI & MAT (3 Credits) (Tuesday & Thursday)

Early Childhood Science and Math covers the theory and practice of teaching science and math to children from pre-K to 3rd grade. It focuses on the creation and evaluation of developmentally appropriate science and math activities and materials that encourage young children to use their natural curiosity and interest in objects. Students come away with a repertoire of science and math activities. SCANS skills included. (1.2-Articulated)

ECE-214 ERLY CHI ART ACTV (3 Credits) (Monday & Wednesday)

Early Childhood Art Activities looks at the development of creativity in young children. This course provides firsthand experience with various art media appropriate for young children. Students learn methods and activities for presenting art in a way that enhances children's creativity, skill and sense of fulfillment. They also participate in a pre-school setting as part of the course. SCANS SKILLS included. (1.2-Articulated)

***Availability of this class is based on enrollment. If the class is cancelled by MCC due to low enrollment, students would be notified in April giving them enough time and an opportunity to make a schedule change for next year.*

NURSE ASSISTANT PROGRAM NAE100 (through McHenry County College only)

Grade: 11 12

Length: Semester (Fall or Spring) M-TH 7-8:40am @MCC

Credit: College Credit through MCC only

Value Scale: N/A

Prerequisites: (Prior to the start of class)

- criminal background check
- a physical exam
- be 16 years old by course completion
- two step TB test or chest X-ray
- a valid Social Security Card
- Accuplacer Reading placement score of 55 or higher taken at MCC in early March
- [Registration, fees and additional acceptance criteria through MCC](#)

NAE-100 BASIC NURSING ASST (9 Credits)

Basic Nursing Assistant prepares students to assist licensed health care providers in delivering care in various settings. This course includes theory, lab practice and a clinical component. The course is approved by the Illinois Department of Public Health (77 Ill. Adm. Code 395). Successful completion of this course leads to eligibility to take the written Illinois Nurse Assistant/Home Health Aide Competency Exam for employment and certification as a Certified Nurse Assistant (CNA). (1.2- Articulated) NOTE: Clinical times differ from theory. Clinical times are found in the comment field of the MCC online schedule. Students must have their own transportation to clinical as well as MCC and Marian Central.

CREDIT RECOVERY

ILLINOIS VIRTUAL SCHOOL (IVS) COURSES

Grades: 9 10 11 12

Length: Varies

Credit: Varies

Value Scale: Not Counted in GPA

Students may enroll in IVS courses for either Credit Recovery or Full-Service Courses with the permission of the Director of Guidance. Students completing an approved IVS course will: a) receive credit, and b) have the course included on the transcript. The credit will not be included in the student's GPA.

Procedure for Credit Recovery:

- When a student fails a required course, the parents will receive a letter from Guidance with directions on how to enroll in the appropriate make-up course
- Parents must go online to enroll and pay for the course
- Guidance receives notification (IVS only) and completes the enrollment
- Students work online to complete all required work within the time constraints provided

Full-Service Class Guidelines:

A variety of courses is available on IVS. The program of studies can be viewed at <http://ilvirtual.org/>.

- Course must be an elective, unless otherwise approved by Administration
- If taken during the academic year, the student must concurrently be taking a full course load (7 courses) at Marian
- Enrollment in these classes is the same as for the Credit Recovery Courses through IVS
- Cost for the IVS course is paid by the student/family

EDUCERE COURSES

Grades: 9 10 11 12

Length: Varies

Credit: Varies

Value Scale: Not Counted in GPA

Students may enroll in IVS courses for either Credit Recovery or Full-Service Courses with the permission of the Director of Guidance. Students completing an approved IVS course will: a) receive credit, and b) have the course included on the transcript. The credit will not be included in the student's GPA.

Procedure for Credit Recovery:

- When a student fails a required course, the parents will receive a letter from Guidance with directions on how to enroll in the appropriate make-up course
- Parents must go online to enroll and pay for the course
- Guidance receives notification (IVS only) and completes the enrollment
- Students work online to complete all required work within the time constraints provided

Full-Service Class Guidelines:

A variety of courses is available on Educere. The program of studies can be viewed at <https://www.educere.net>

- Course must be an elective, unless otherwise approved by Administration
- If taken during the academic year, the student must concurrently be taking a full course load (7 courses) at Marian
- Enrollment in these classes is the same as for the Credit Recovery Courses through Educere
- Cost for the Educere course is paid by the student/family

MY CATHOLIC FAITH COURSES

Grades: 9 10 11 12

Length: Varies

Credit: Varies

Value Scale: Not Counted in GPA

Students may enroll in *My Catholic Faith* courses for either Credit Recovery of a failed Theology class with the permission of the Director of Guidance. Students completing an approved *My Catholic Faith* course will: a) receive credit, and b) have the course included on the transcript. The credit will not be included in the student's GPA.

Procedure for Credit Recovery:

- When a student fails a required course, the parents will receive a letter from Guidance with directions on how to enroll in the appropriate make-up course
- Parents must go online <http://www.mycatholicfaithdelivered.com> to enroll and pay for the course
- Students work online to complete all required work within the time constraints provided

2019 SUMMER SCHOOL COURSE & CAMP OFFERINGS

****SUMMER SCHOOL COURSES CANCELLED DUE TO LACK OF ENROLLMENT**

The fee for summer school is \$400 per half credit hour, and must be paid in full no later than May 1, 2019 or they will be dropped from the course. There is no further discounting or financial aid available for summer school courses.

*Summer school courses have a minimum enrollment. If, by **March 18**, the minimum number of students is not reached, the course will be cancelled, and any registration fees will be refunded in full.*

****US GOVERNMENT AND POLITICS (Offered at Marian as a Dual Credit Class with McHenry County College)**

Grades: 12

Dates/Times: Tues/Th/Fri June 11 - 28 & Tues/Th July 9 - 25;

Credit: 0.5

8:00 am - 12:00 pm

Value Scale: Regular

(Not in session week of July 1)

Prerequisites: None

Min/Max Enrollment: 15-30

This 6-week intensive course, required of all seniors for graduation, serves a dual purpose in examining the structure and functions of American government, while also focusing on the development of those academic skills necessary for success in college. Students will examine the philosophical and institutional foundations of government and the origins of American political theory. Special emphasis will be placed on the study of the U.S. Constitution and its interpretation by the Supreme Court. As part of this course, students will be required to pass a U.S. Constitution test. Students will then analyze basic American institutions and their role as active

2019 - 2020 FRESHMAN AND SOPHOMORE PLANNING SHEET

FRESHMAN

CHOOSE 5 REQUIRED COURSES

- _____ 201 English 1A
- _____ 202 English 1
- _____ 204 English 1 Honors

- _____ 502 Algebra 1
- _____ 504 Algebra 1 Honors
- _____ 514 Geometry Honors
- _____ 602 PE 1/Health
- _____ 702 Theology 1
- _____ 801 General Science
- _____ 803 Physical Science
- _____ 806 Biology 1 Honors

SOPHOMORE

CHOOSE 5 REQUIRED COURSES

- _____ 205 English 2A
- _____ 206 English 2
- _____ 208 English 2 Honors
- _____ 503 Algebra 1B
- _____ 512 Geometry
- _____ 514 Geometry Honors
- _____ 508 Algebra 2 Honors
- _____ 606 PE 2/First Aid
- _____ 704 Theology 2
- _____ 802 General Science
- _____ 803 Physical Science
- _____ 804 Biology 1
- _____ 806 Biology 1 Honors
- _____ 812 Chemistry 1 Honors

CHOOSE 2 ELECTIVE COURSES

- _____ 110 Computer Applications (0.5) – Sem1
- _____ 111 Web Design (0.5)–Sem 2
- _____ 113 Photoshop (0.5)–Sem 2
- _____ 230 Intro to Theater
- _____ 302 Art 1
- _____ 320 Band
- _____ 322 Chorus
- _____ 324 Advanced Band
- _____ 326 Advanced Chorus
- _____ 402 French 1
- _____ 412 Spanish 1
- _____ 904 Geography & Cultures
- _____ 903 AP - Human Geography
- _____ 950 Study Hall

CHOOSE 2 ELECTIVE COURSES

- _____ 102 Accounting 1
- _____ 110 Computer Applications (0.5)–Sem1
- _____ 111 Web Design (0.5)–Sem 2
- _____ 112 Desktop Publisher (0.5)–Sem 1
- _____ 113 Photoshop (0.5)–Sem 2
- _____ 114 Business Law (0.5)
- _____ 116 Bus Marketing (0.5)
- _____ 120 Innovative Design and Entrepreneurial Applications Honors (IDEA)
- _____ 218 Publications
- _____ 230 Intro to Theater
- _____ 232 Theater 2
- _____ 302 Art 1
- _____ 304 Art 2
- _____ 320 Band
- _____ 322 Chorus
- _____ 324 Advanced Band
- _____ 326 Advanced Chorus
- _____ 402 French 1
- _____ 404 French 2
- _____ 412 Spanish 1
- _____ 414 Spanish 2
- _____ 913 World History
- _____ 914 AP World History: Modern
- _____ 950 Study Hall

2019 - 2020 JUNIOR PLANNING SHEET

CHOOSE 6 REQUIRED COURSES

_____	209	English 3A
_____	210	English 3
_____	212	English 3 Honors
_____	219	AP English Language & Composition
_____	506	Algebra 2
_____	508	Algebra 2 Honors
_____	512	Geometry
_____	516	Adv Math w/Trig
_____	518	Adv Math w/Trig Honors
_____	519	Calculus Honors
_____	520	AP Calculus AB
_____	610	PE 3 (0.5)
_____	706	Theology 3
_____	902	Consumer Economics (0.5)
_____	905	AP Macro/Microeconomics
_____	910	United States History
_____	920	AP United States History

CHOOSE 2 ELECTIVE COURSES

_____	102	Accounting 1	_____	327	Advanced Chorus Honors
_____	103	Accounting 2	_____	402	French 1
_____	110	Computer Applications (0.5)–Sem1	_____	404	French 2
_____	111	Web Design (0.5)–Sem 2	_____	406	French 3 Honors
_____	112	Desktop Publisher (0.5)–Sem1	_____	412	Spanish 1
_____	113	Photoshop (0.5)–Sem 2	_____	414	Spanish 2
_____	114	Business Law (0.5)	_____	416	Spanish 3 Honors
_____	116	Bus. Marketing (0.5)	_____	804	Biology 1
_____	120	Innovative Design and Entrepreneurial Applications Honors (IDEA)	_____	809	Comp Anatomy & Physiology Honors
_____	216	Comp. & Speech	_____	830	AP Biology
_____	218	Publications	_____	810	Chemistry 1
_____	230	Intro to Theater	_____	812	Chemistry 1 Honors
_____	232	Theater 2	_____	814	Chemistry 2 Honors
_____	233	Theater 2 Honors	_____	820	AP Chemistry
_____	302	Art 1	_____	891	Engineering - Coding - Honors
_____	304	Art 2	_____	892	Engineering-Design & Development - Honors
_____	306	Art 3	_____	950	Study Hall
_____	320	Band	_____	954	Study Hall (MCC Option)
_____	322	Chorus			
_____	324	Advanced Band			
_____	325	Advanced Band Honors			
_____	326	Advanced Chorus			

2019 - 2020 SENIOR PLANNING SHEET

CHOOSE 4 REQUIRED CLASSES

_____	213	English 4A
_____	214	English 4
_____	219	AP English Language & Composition
_____	220	AP English Literature & Composition
_____	614	PE 4 (.5)
_____	619	Fitness for Life (.5)
_____	615	PE 4 (.5) Summer course (Cancelled)
_____	708	Theology 4: Social Justice and Vocations
_____	709	Theology 4: Social Justice and Vocations Intensive Study
_____	906	United States Government and Politics (0.5)
_____	907	United States Government and Politics (0.5) Summer Course (Cancelled)
_____	923	AP United States Government and Politics/ AP Comparative Government and Politics

CHOOSE 4 ELECTIVE COURSES

_____	102	Accounting 1	_____	416	Spanish 3 Honors
_____	103	Accounting 2	_____	418	Spanish 4 Honors
_____	110	Computer Applications (0.5)–Sem1	_____	506	Algebra 2
_____	111	Web Design (0.5)–Sem 2	_____	505	College Algebra
_____	112	Desktop Publisher (0.5) –Sem1	_____	516	Adv Math w/Trig
_____	113	Photoshop (0.5)–Sem 2	_____	518	Adv Math w/Trig Honors
_____	114	Business Law (.5) –Sem1	_____	519	Calculus Honors
_____	116	Bus. Marketing (.5) –Sem 2	_____	520	AP Calculus AB
_____	120	Innovative Design and Entrepreneurial Applications Hon (IDEA)	_____	530	AP Statistics
_____	216	Comp & Speech	_____	809	Comp Anatomy & Physiology Honors
_____	218	Publications	_____	830	AP Biology
_____	230	Intro to Theater	_____	817	Environmental Science
_____	232	Theater 2	_____	810	Chemistry 1
_____	233	Theater 2 Honors	_____	814	Chemistry 2 Honors
_____	304	Art 2	_____	820	AP Chemistry
_____	306	Art 3	_____	816	Physics
_____	308	Art 4	_____	825	AP Physics 1
_____	320	Band	_____	826	AP Physics C: Electricity & Magnetism
_____	322	Chorus	_____	827	AP Physics C: Mechanics
_____	324	Advanced Band	_____	891	Engineering - Coding - Honors
_____	325	Advanced Band Honors	_____	892	Engineering-Design & Development - Honors
_____	326	Advanced Chorus	_____	908	Psychology
_____	327	Advanced Chorus Honors	_____	921	AP Psychology
_____	402	French 1	_____	918	Contemp. Global Studies
_____	404	French 2	_____	950	Study Hall
_____	406	French 3 Honors	_____	954	Study Hall (MCC Option)
_____	408	French 4 Honors			
_____	412	Spanish 1			
_____	414	Spanish 2			

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