

# MARIAN CATHOLIC HIGH SCHOOL CURRICULUM OFFERINGS & COURSE DESCRIPTIONS



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**Teaching Scholars  
with a Soul**



# MARIAN CATHOLIC HIGH SCHOOL

## ADMINISTRATION

### 2023-2024

Mr. Vince Krydynski '81, President  
Ms. Mary Ann West, Interim Principal/Director of Student Support Services  
Ms. Colleen Peabody '05, V.P. for Institutional Advancement  
Mrs. Linda Hansen, V.P. of Ministry and Mission  
Mr. Curt Schubert, Chief Financial Officer  
Mrs. Mary Harrison '81, Business Manager  
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Social Studies	Mr. Scott Bodnar (ext. 1201)
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# General Information

## COURSE LEVELS

### Advanced Placement

An Advanced Placement course is taught as a college level course and follows the syllabus provided by the College Board Advanced Placement Program. A student who elects an Advanced Placement (AP) course must have a teacher's recommendation, which is based on previous course performance and/or grade point average. The criteria for acceptance are noted in each course description. **A student taking an Advanced Placement course must take the Advanced Placement exam at the end of the course. This exam is considered an integral part of the course and the chief evaluation instrument. A student who declines to take the exam waives the weighted grade and receives a regular grade for the course.** A teacher can recommend a student not take the Advanced Placement exam, but only under special circumstances. At the end of the first semester, a teacher may drop a student from an AP course if the teacher believes the student is not working at a level expected of an Advanced Placement student. A Marian Catholic High School graduate may receive college credit or waived course requirements from a college as a result of an Advanced Placement exam score. A student who elects more than three Advanced Placement courses in a semester must have a counselor's approval. There is a cost associated with AP exams. For the May 2023 administration, the College Board has set a fee of \$97 per exam.

### Dual Credit

A Dual Credit (DC) course is intended to mirror the experience of a college course and provide students the opportunity to earn college credit for their work while at Marian. If an instructor with the proper credentials required by the partnering college/university is available, the course will be taught as a Dual Credit course. Students enrolled in a Dual Credit course will apply to the respective university on the first day of class. Unless otherwise noted for a particular course, credit will be from either Benedictine University or Loyola University Chicago. Once students have applied to the university, they will pay the credit hour fee\* directly to the respective university through their university account. A current student transcript must be submitted to and approved by the partnering college/university when registering for the course. \*Tuition per credit hour is as follows: \$60/credit hour for Benedictine University; \$65/credit hour for Loyola University Chicago. Marian Catholic Dual Credit courses are three or four credit hour courses.

Upon successful completion of the course, and payment of college/university credit fees, students will receive full, transferable college credit (Marian college counselors will assist students in determining if credits are transferable).

If an instructor with Dual Credit credentials is not available, the course, if an Advanced Placement course, will be taught as an Advanced Placement (AP) course. In this case, students will be required to take the AP Exam in the spring which may earn them college credit, depending on their AP exam score and the rules of the college/university they attend.

### Honors

An Honors (H) level course is designed to challenge students with above average ability and motivation. The pace is accelerated and the content advanced. A freshman is placed in an honors course based on entrance exam scores or proficiency placement. Placement for students at all other levels is based on previous course performance and/or Grade Point Average. The criterion for placement is noted in each course description.

### **Accelerated**

An Accelerated (A) level course is designed for students who learn at a faster pace and may be motivated to advance into Honors courses. A freshman is placed in an accelerated course based on entrance exam scores (above the 40<sup>th</sup> percentile) or proficiency placement. The criterion for placement is noted in each course description.

### **College Preparatory**

A college preparatory (CP) course provides a solid, competitive curriculum to prepare a student for college entry. A few of these courses are designed for students who learn best at a slower pace. In general, the material covered remains the same at all levels of college preparatory courses. The criterion for placement is noted in each course description.

## **ACADEMIC POLICIES**

### **Grading**

Teachers outline course requirements and the manner of computing course grades at the beginning of the term. Academic achievement marks are given in letters corresponding to the following percentages:

A+ 100-97	B+ 89-87	C+ 79-77	D+ 69-67	F 59 and below
A 96-90	B 86-80	C 76-70	D 66-60	I Incomplete*

\*Any grade of "I" becomes an "F" if not made up within **ten** school days.

Semester grades are calculated using the formula below. These calculations use the grade percentage for quarters and final exams.

40% of Quarter 1 + 40% of Quarter 2 + 20% of Final Exam = Semester 1

40% of Quarter 3 + 40% of Quarter 4 + 20% of Final Exam = Semester 2

Two consecutive "F" grades automatically result in an "F" grade unless overridden by the teacher. All academic semester and full-year courses give semester exams. All semester exams are cumulative as appropriate for college preparation.

### **Semester Exams and Grade Point Average (GPA)**

The following scale is used in computing semester grades and GPA. (Honors courses add .5 point, A.P. courses add 1 point.) D- grade in an Honors/A.P. course is not weighted.

A+ = 4.4	B+ = 3.4	C+ = 2.4	D+ = 1.4
A = 4.0	B = 3.0	C = 2.0	D = 1.0

### **Honor Roll Requirements**

At the end of each grading period, an honor roll list is prepared. First Honors is a GPA of 3.7 and above. Second Honors is a GPA of 3.2 to 3.69 (inclusive). Any "D," "F," or "I" grade disqualifies a student from the honor roll.

### **Class Rank**

Marian Catholic administration and college counselors opted to discontinue the practice of class rank beginning with the graduating class of 2020. Changes in college admission and scholarship formulas in the last several years have made it such that class rank can

significantly disadvantage students' chances of acceptance or awards when they are coming from a high-performing school like Marian Catholic.

### **Graduation Requirements**

A minimum of 23 credits is required for graduation.

Required:

Theology	4 Credits	World Language	2 Credits
English	4 Credits	Physical Education	1.25 Credits
Mathematics	3 Credits	Health	0.25 Credits
Science	3 Credits	Fine Arts	0.5 Credits
Social Studies (Must pass U.S. & Illinois Constitution exams)	3 Credits	Computer Concepts & Information Processing	0.5 Credits

Current Marian Catholic graduation requirements meet the acceptance criteria of the state universities in Illinois. Selective colleges may require more courses in some areas. Students are encouraged to take a strong program of academic courses, electing to take further academic courses in English, World Language, Social Studies, Mathematics, Science, and Computer Science.

Marian Catholic supports its Fine Arts Program and the student who wishes to pursue it while maintaining a full academic program (five academic courses) through four years of high school in two ways: first, offering a six-week, one credit summer course in World and U.S. History; second, waiving the physical education course requirement while the student is taking a Fine Arts course and full academic program.

When a student no longer takes a Fine Arts course and a full academic program (five academic courses), the student is expected to take any waived physical education course requirement (except Health) before taking a non-academic elective.

### **Excessive Absence**

In those cases, where a student has been identified as having chronic and/or patterned absences, any absence judged chronic and/or patterned beyond ten days per semester will result in a reduction of grade (e.g., B+ to B) in each impacted class. Parental contact is made prior to the reduction in grade.

When a combination of absences and tardies to a student's first period class exceeds five per quarter, a reduction in grade is given in that course for each succeeding absence and/or tardy.

Marian Catholic does not offer home-schooling or homebound instruction. A student who is absent more than 15 days in a quarter automatically receives a grade of "Incomplete" for their classes that quarter, regardless of the amount of work that the student has submitted electronically to their teachers. If a student incurs absences in excess of 25 days per semester, the student automatically receives a grade of "Incomplete" for all courses that semester. At this juncture of missing 25 days, it is in the best interest of the student to withdraw from school and

seek to make up the credit they have missed through alternative means, such as homebound instruction through their local public district or online credit program. Withdrawal in cases such as this is at the discretion of school administration.

### **Academic Awards**

An academic letter is awarded to a student who achieves a 4.0 or better GPA in two consecutive semesters. Academic letters are awarded at an Academic Awards Breakfast in October. Academic awards are given to those who sustain this level of achievement at the Excellence in Academics awards breakfast in April.

### **Advanced Placement (AP) Capstone™ Diploma**

AP Capstone is an innovative diploma program from the College Board that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses – AP Seminar and AP Research – and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. In AP Seminar, students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. In AP Research, students cultivate the skills and discipline necessary to conduct independent research in order to produce and defend a scholarly academic paper. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and AP Research Certificate.

### **Honors Diploma**

Marian Catholic offers a distinction for high-performing students, the Marian Catholic Honors Diploma. This commendation is conferred at graduation upon students who show outstanding academic achievement throughout their career at Marian and who have met the criteria listed below. Graduating with this honor will show that a student has achieved an elite academic status that sets them apart as truly accomplished scholars. To receive the Honors Diploma, a student must:

1. Earn 25 full credits.
2. Complete a minimum of at least 6 advanced classes (Honors or Advanced Placement (AP), at least 4 of which must be AP, and earn a semester grade of “C” or better each semester in these classes.
3. Earn a cumulative GPA of 3.5 by the end of their 7<sup>th</sup> semester and maintain it through their 8<sup>th</sup> semester.
4. Have no failing semester grades nor have any Withdrawal (W) or Withdrawal Failure (WF) notations on their transcript.
5. Be an active member of the National Honor Society in good standing.

### **Academic Probation**

If a student fails a required course or falls behind in credits, the student is placed on probation and must make up the course to reenter the following fall. A student must maintain a minimum grade point average of 1.5, pass all required courses, and possess the appropriate number of credits in order to remain in good academic standing. Before being accepted into sophomore year, a student must acquire five credits; before being accepted into junior year, eleven credits; and before being accepted into senior year, seventeen credits. It is a **student’s responsibility**

to have all non-Marian summer school and correspondence grades in the Registrar's office by August 9.

A student on academic or disciplinary probation risks loss of financial aid; a probationary student who does not improve during the following semester may be asked to withdraw.

### **Academic Requirement for Extra Curricular Eligibility**

In order to participate as a member of an interscholastic athletic team, the Illinois High School Association (IHSA) requires a student to be passing four full credit courses and have passed four full credit courses the previous semester. To encourage a high standard of academic performance, a student at Marian is eligible only while maintaining a passing grade in five out of six courses or six out of seven courses. Student eligibility impacts practice for and participation in IHSA sponsored athletics, interscholastic speech contest, non-graded band and choral programs, and school-sponsored theater productions. All other clubs and activities are held to this minimum academic standard, including Kairos retreat leaders, dance chairpersons and members of dance courts. Clubs and activities may require and publish a higher standard through their approved constitution and bylaws.

A student is ineligible from the Monday on which their name appears on the ineligible list until the Monday the name is removed. A student who becomes ineligible at the end of each semester remains ineligible until the needed credit is earned.

A student who is ineligible may practice but not participate in the listed activities by attending scheduled after-school study sessions while ineligible. In very exceptional cases, the principal can waive the eligibility rule.

### **Credit Make-up**

A student who fails a required course must make up the credit during the following summer at Marian, unless previous arrangements are made in writing with the Director of Student Support Services. These make-up credits are not factored in the GPA.

Before being accepted into sophomore year, a Marian Catholic student must acquire five credits; before being accepted into junior year, eleven credits; and before being accepted into senior year, seventeen credits. In order to matriculate for junior or senior year, a student must have completed their required credits from freshman and sophomore year. Students who fail to make up required credits prior to the start of junior or senior year cannot return to Marian for that school year.

### **Seniors**

A senior who fails a required first semester course must make arrangements with the Registrar to make up the credit during the second semester in order to graduate in May. A credit may be made up through an extension program, a junior college course, or retaking the course if available at Marian during the second semester. A course grade must be in the Registrar's office at least a week prior to graduation.

### **World Language**

A student who fails the first semester of a World Language, but passes the second semester receives full credit. This first semester letter grade is retained. A student who passes the first semester, but fails the second semester, receives no credit for the course and repeats the course the following year. The first semester letter grade is retained.



### Mathematics

Only one semester ( $\frac{1}{2}$  credit) of a required mathematics course (Algebra I, Geometry, and Algebra II) can be taken on-line or in summer school at Marian. A student who fails both semesters must repeat the course the following year. A student who fails the summer school course must repeat the full course the following year.

### Summer School

Marian's summer school is used extensively for enrichment and advancement as well as make up. A course taken at another secondary school or at a junior college for credit must receive prior approval in writing from the Director of Curriculum and Instruction.

### **NCAA INITIAL ELIGIBILITY CLEARINGHOUSE REQUIREMENTS**

Students are required to have 16 core academic units to be eligible to participate at Division I or II colleges and universities as a freshman. Ten of these courses must be completed before senior year. For further information, talk to a counselor or go to the NCAA ELIGIBILITY CENTER website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).

## **COURSE REGISTRATION**

There are many factors a student must consider when registering for courses: graduation requirements, career and college requirements, personal interest, and prior academic performance. A freshman has fewer electives than seniors. In freshmen year, most courses are chosen for a student and placement levels depend on the placement test and a spring proficiency test in World Language, Mathematics, Computer Concepts, and Art. Appeals to placement and course acceptances are usually made to the Department Chairperson. After freshmen year, placement levels depend on classroom performance and teacher recommendation. By junior and senior year, a student is able to select more courses.

**A student must enroll in six subjects each semester.** After freshmen year, a student with a 3.0 or above cumulative grade point average may enroll in a seventh subject with the approval of a parent, the student's guidance counselor, and the Director of Student Support Services or the Principal. Before enrolling in a seventh subject, a student should keep in mind the overall difficulty and level of courses selected, as well as extracurricular and outside school involvement. All rules governing course changes and drop of courses (see page 11) apply to a seventh subject as well as all other subjects.

It is important to have a four-year course plan in freshmen year, but it is also important to realize this plan can be changed as college, career, and personal interests change. Early in the second semester, counselors explain the registration and course selection process to each class in group sessions. While a student is responsible for the selection of courses, they should seek the advice of parents, counselors, and teachers. Course level placement is made by teachers and department chairpersons. A counselor reviews the course selections to ensure a student is fulfilling all graduation requirements. Parents are welcome to contact a counselor to discuss course selection.

This guide is a comprehensive listing of all the courses which can be offered by Marian Catholic High School. Every effort is made to accommodate student interest and course availability. However, the factors of student interest, faculty availability, and scheduling conflicts must be considered, and not all courses may be offered every year. Only courses being offered for the upcoming school year will be available for students to select in PowerSchool during the registration process. Marian Catholic reserves the right to choose which courses will benefit and best serve the overall student population.

### **ANNUAL TUITION DEPOSIT FEE**

In second semester, students meet with their counselor to select courses for the next school year.

Beginning with the 2022-2023 school year, all annual fees (registration, general, book) will be rolled into each student's annual tuition fee for that school year. All tuition and associated fees will be included in the student's FACTS tuition account and must be paid through FACTS.

The non-refundable Tuition Deposit fee of \$500/student has been billed in FACTS and will be applied to tuition as a credit for the 2023-2024 school year. Payments can be made in FACTS at any time and the balance of the fee is due on March 31, 2023. If the fee is not paid in full by the due date, you may forgo your student's enrollment and your tuition assistance for the 2023-2024 school year will be redistributed to another student.

<https://online.factsmgt.com/signin/41NG8>.

## **COURSE VERIFICATION**

When preliminary course verifications are issued, parent and student should carefully check the courses. If there is need for a change, a student should immediately inform the Registrar to effect this change. **After final grades, department chairpersons review each student's selections and make necessary course or level adjustments. Parents and students are informed of these changes.**

Every attempt is made to meet all course requests. In some cases, scheduling conflicts occur and it is necessary to consult with the student to select an alternate course. All course offerings are dependent on sufficient enrollment.

A student wishing to enroll in a summer school course must complete **summer school registration**. In order to receive credit for classes taken outside of Marian, previous written approval of the Director of Curriculum and Instruction is necessary.

## **SCHEDULE CHANGES**

Marian's course registration is a month-long process that includes group informational sessions with guidance counselors, input from teachers and parents, and individual counseling to make sure students choose courses that fulfill graduation requirements and address individual abilities and academic goals. Course choices made at this time determine student schedules for the next school year. They also affect establishment of class sizes, hiring of teachers, and course offerings.

Before registering for courses for the next school year, students should first read this Curriculum Guide thoroughly. The Curriculum Guide is also available on the Marian website: [www.marianchs.com](http://www.marianchs.com) in the Student Resources section. Choose courses carefully, and keep in mind that courses chosen are final. Once registration is completed, students **may not change** a course except under the following conditions:

- There is an error in the original schedule.
- The student is academically misplaced.
- There is a scheduling conflict.

For any other course change, such as moving to an upper or lower level within the course sequence, a parent must contact the student's teacher to request placement in another course. Students have until the third day of each semester to request a course change. The Director of Student Support Services or the Principal is the final arbiter of any course change.

### **Late withdrawal:**

A **WF** (withdrawal failure) grade is given for the first or second semester when a parent/student course withdrawal is initiated after 20 days of school. A parent/student may not request to drop or change a year-long class after completing the first semester without it resulting in a WF. This grade is included in the computation of the GPA (Grade Point Average) and will remain on the student's transcript.

### **No Credit:**

A **NC** (no credit) grade may be given when illness or other unusual, unavoidable circumstances occur. The NC is NOT included in the computation of the student's GPA (Grade Point Average).

# **STUDENT SERVICES**

## **Campus Ministry**

Campus Ministry implements programs that contribute to the spiritual welfare of the entire Marian Catholic community. The department works to develop a Catholic religious environment that fosters a deepening personal relationship with God through Christian formation and a foundation built upon the Dominican charism – specifically the Four Pillars of Prayer, Study, Community, and Preaching. Regular opportunities for participation in the sacraments and other prayer experiences are offered. Students are required to attend all liturgies and services that take place during the school day as all-school events or part of a theology class. A comprehensive retreat program assists students in their spiritual growth. Freshmen, sophomores, and juniors have scheduled class retreats that are an extension of the school day and published in the school calendar. Any student who is not present for the entire retreat experience is expected to attend a scheduled make-up retreat. Students who fail to meet this requirement are subject to disciplinary action. Seniors have the opportunity to attend Kairos, which is a four-day, off-campus retreat held several times throughout the year. Dates are published in the school calendar.

## **Counseling**

The Counseling Department is student centered. The goal is to assist each student to become a successful and independent learner. Counselors meet with students individually and in groups to assist them with academic planning, personal growth and development, as well as career and college planning.

**Each student is instructed on the use of Naviance, a web-based program that assists students with college and career choices.**

During freshman year, students will be introduced to this program and parents will receive registration information for Naviance. The program will assist in the career and college search, college application process, and scholarship search. Parents may access the program by going to Marian's website, and under the Parents tab click on Naviance Student. Parents may access the program at any time as a guest (the guest password is: dominicans (case sensitive)). Parents may request their own username and password to access Naviance by contacting the Counseling department.

Parent programs include a sophomore, junior and senior parent night, seminars on college admissions during parent/teacher conferences, and an evening college financial aid program. The department also prepares, administers, and helps a student interpret the Pre-ACT and ACT, which all Marian students take. Students are also encouraged to take the SAT.

Students are encouraged to participate in a Summer Enrichment Program at a college or university. These programs help students explore possible major and career choices as well as aid in the development of academic, leadership, and social skills.

The college counselors meet with juniors in English class once a quarter to discuss various college-related topics. Students have the opportunity to visit with college representatives at Marian during the school day. In addition to these programs, juniors and their families are expected to sign up for a college counseling conference in the second semester of junior year. While responsibility for the college search and application process rests with a student and parents, counselors are prepared to offer every support possible.

## **Counseling Services Calendar**

### ***Freshmen***

- Fall Classroom Orientation of Counseling Services (September)
- Freshmen Group Sessions - Orientation to Marian and opportunity to make new friends through group interaction (September)
- Administration of standardized testing (Pre-ACT) in January and subsequent interpretation of results
- Introduction to Naviance
- Academic Counseling throughout the year for all students experiencing difficulty
- Individual meetings with counselor
- Career Day
- Class selection information for the next school year for students and parents (Second Semester)

### ***Sophomores***

- Sophomore Parent Night for College Admissions
- Fall Classroom Orientation of College and Counseling Services (September)
- Administration of standardized testing (Pre-ACT) in January and subsequent interpretation of results
- Sophomore Individual or Group Sessions
  - Introduction to career explorer/planner sections of Naviance, a web-based program which offers information on interests, values, experiences and abilities as related to careers
- Academic counseling for students experiencing difficulty
- Career Day  
Class selection information for the next school year for students and parents (Second Semester)
- Encourage students to attend a summer program at a college or university. Information regarding these programs is in Naviance as well as in the College Room.  
If you are interested in a particular college/university, check to see if they host any programs.

### ***Juniors***

- College Room Orientation/preparation for the college process (September)
- College Fair at Marian Catholic
- Use of Naviance to coordinate career and college choices (Fall)
- Visit with college representatives in College Room - Students initiate appointment
- Junior Parent Night for College Admissions (Fall)
- Administration of a practice ACT in January and subsequent classroom interpretation of results
- All juniors take the ACT at Marian in April
- Academic counseling for students experiencing difficulty
- Individual meetings with counselor

- Parent College Financial Aid Workshop (October)
- Class selection information for the next school year for students and parents (Second Semester)
- College Counseling Conferences with counselors meeting individually with second semester juniors and parents to begin the college admissions process
- Test Prep Courses for ACT offered with additional fees involved
- Administration of SAT (March) may be taken at other schools in January, February, May, and June)
- Seminars on college preparation for specific areas: highly selective colleges, athletes, writing the college essay, and students who do not meet admission requirements of a college or university

### ***Seniors***

- Orientation-expectations for the college admissions process (August)
- Senior Parent Night focusing on the college admissions process (August)
- Administration of ACT at Marian in September (available at other schools in October and December)
- Student completes transcript requests and submissions to senior counselors for processing by mid-October for public universities, the beginning of November for private colleges and universities, and 2<sup>nd</sup> semester for community colleges. Individual assistance is available to each student in writing college essays and preparing college applications
- Parent College Financial Aid Workshop in October
- Academic counseling for students experiencing difficulty
- Individual meetings with counselor

For a complete, detailed listing of Counseling Services, visit the Counseling page on the Marian website.

## **Library and Research Services**

A center focused on research, the library is staffed by two professional librarians. Students have access to 13,425 print volumes, 1,000 E-book volumes, 42 dissertations, 115 magazines, journals and newspapers, the Internet, magazine, journal and newspaper online indexes, and subject-orientated databases. I-Share, SWAN, the statewide Illinois Library Catalog and Lake County, Indiana Public Library and branches, allow a student to browse the card catalogs from academic and public libraries throughout Illinois and northern Indiana. Through the use of interlibrary loan, books can be borrowed from the academic libraries. Magazine and journal articles are also ordered through interlibrary loan. All library resources are available for school or home use through the library's web page.

The library is totally automated; a school-issued ID is required to check out materials. Most materials circulate.

The library is open from 7:00 a.m. to 4:00 p.m. A student can come before or after school, during a study hall, or as part of a class. During the warmer months, students have access to the Altman Memorial Reading & Meditation Garden in the library courtyard.

The library provides instructional services on a variety of levels: consultation by appointment, scheduled classroom instruction, formal lectures for freshmen orientation, and junior and senior term papers. The library offers instruction in research methods, library and bibliographic-related software, library and Internet resources, information literacy skills, and digital citizenship.

The library also provides programs (storytellers, plays, animal visitors, speakers, Poetry Parties, book clubs, etc.) to introduce Marian students to other cultural interests beyond the world of academia.

## **Tutoring**

There are a number of options available to a student who needs extra help academically. A student can arrange to meet with a teacher before or after school. Occasionally, a student's study period and a teacher's preparation period might coincide. Besides receiving help from a teacher, a student can receive help from members of the Honor Societies. Arrangements are made in conjunction with the classroom teacher who contacts National Honor Society moderators (see Student Handbook for tutor request form).

Marian Catholic's Bracha Center, has full-time tutors and faculty who work with students in both course work and study skills. Counselors and teachers can initiate the evaluation process which determines the appropriate placement of a student in academic need.

Students who are failing more than one class are required to attend the after-school tutoring program, which is held Monday through Friday from 2:30-3:15 p.m. in the Bracha Center.

# COURSE DESCRIPTIONS

Marian Catholic High School's curriculum emphasizes college preparatory courses. Graduation requirements as stated fulfill requirements for state colleges. The college admission process is strengthened by additional courses in math, science, social studies, and language. Since Marian Catholic serves students of diverse talents, electives appeal to the individual without sacrificing a college preparatory focus.

**NOTE: Courses highlighted in gold are new courses.**

## **ADVANCED PLACEMENT (AP) CAPSTONE™**

### **ADVANCED PLACEMENT SEMINAR: SACRAMENTS, LITURGY, MORALITY** #01326 1 Credit

Using cross-curricular, historical, and contemporary perspective students will integrate the Advanced Placement (AP) Seminar portion of the AP Capstone Program with theological studies focused on sacraments, liturgy, and morality. Students will research and use a variety of sources to analyze and synthesize information to develop their own views in papers and in presentations. Completion of research papers and presentation is required.

**Requirements for enrollment include:** completion of English 2 Honors, enrollment in English 3 AP, completion of at least one other AP course, 4.0 GPA, teacher's recommendation, possible writing sample, and possible interview with instructor. Space is limited to 15-20 qualifying students. Students are required to take the AP exam, for which there is a fee set annually by the College Board (\$145 for 2023).

### **ADVANCED PLACEMENT RESEARCH** #03424 1 Credit

Advanced Placement (AP) Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information as they address a research question. Student explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4,000-5,000 words (accompanied by a performance or exhibition of product where applicable), and a presentation with an oral defense. Students in this course are exempt from completing the senior English research paper. **Prerequisite:** Successful completion of the AP Seminar course. Students are required to take the AP exam, for which there is a fee set annually by the College Board (\$145 for 2023).

Students completing the Capstone course work with an additional five AP courses will be Capstone Diploma candidates.



## **THEOLOGY COURSES**

A credit in Theology is required each year. The grade is included in the grade point average.

### **THEOLOGY 1**

**#01114**

**1 Credit**

#### **THE REVELATION OF JESUS CHRIST**

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. They will learn how to read the Bible and will become familiar with the major sections of the Bible. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally. This course will also introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. In learning about who he is, the students will also learn who he calls them to be.

### **THEOLOGY 2**

**#01214**

**1 Credit**

#### **THE MISSION OF JESUS CHRIST/JESUS CHRIST'S MISSION CONTINUES IN THE CHURCH**

Through this course of study, students will learn that God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today.

### **THEOLOGY 3**

**#01314/#01324**

**1  
Credit**

#### **WORSHIP, LITURGY AND SACRAMENTS/CHRISTIAN ETHICS**

The first semester flows from the study of the Christian Scriptures and Church, emphasizing the role of the Catholic as a faith-filled witness in and to the world. The nature and importance of the Catholic sacramental and spiritual life are studied from both the historical and contemporary perspective. During the second semester, students study Christian moral principles involved in living as a disciple of Jesus Christ.

### **THEOLOGY 3**

**#01326**

**1  
Credit**

#### **ADVANCED PLACEMENT SEMINAR: SACRAMENTS, LITURGY, MORALITY**

Using cross-curricular, historical, and contemporary perspective students will integrate the Advanced Placement (AP) Seminar portion of the AP Capstone™ Program with theological studies focused on sacraments, liturgy, and morality. Students will research and use a variety of sources to analyze and synthesize information to develop their own views in papers and in presentations. Completion of research papers and presentations is required. Requirements for enrollment include: completion of English 2 Honors, enrollment in English 3 AP, completion of at least one other AP course, 4.0 GPA, teacher recommendations, writing sample, and possible interview with instructor. Space is limited to 15-20 qualifying students. Students are required to take the AP exam, for which there is a fee set annually by the College Board (\$145 for 2023).

Seniors must choose one of these three courses:

**THEOLOGY 4**

**#01414 .5 Credit**

**CHRISTIAN LIFESTYLES**

This one-semester required course explores the married, single, and religious life-styles in the context of Christian commitment and human growth. The course assists seniors in the development of their own sexual and vocational identities.

**THEOLOGY 4**

**#01424 .5 Credit**

**CHRISTIAN LIVING AND THE WRITERS' VISION**

This one-semester course explores the married, single, and religious life-styles in the context of Christian commitment and growth, but also through literature. Students will be expected to read several books to develop the authors' perspectives and Catholic Church teachings. The course assists seniors in the development of their own sexual and vocational identities.

**THEOLOGY 4**

**#01874 1 Credit**

**DOMINICAN PREACHING AND CHRISTIAN LIVING**

This year-long course blends Dominican Preaching and Christian Lifestyles. The course begins at the High School Preaching Conference, which is a week-long summer program held off campus-with nationwide Dominican high schools. Students will explore Dominican preaching: The Word in daily life, prayer, and global impact. Students must be prepared to integrate the preaching experience into their daily lives. Students will explore deepening their spirituality and faith through a variety of prayer experiences and school ministries. In addition, this course explores married, single, and religious lifestyles in the context of Christian commitment and human growth. The course assists seniors in the development of their own sexual and vocational identities. Students will be expected to read several books as well as the course textbook. Enrollment is limited to four to six students, based on application.

Seniors must choose one of these electives:

**THEOLOGY 4**

**#01884 .5 Credit**

**DOMINICAN SPIRITUALITY**

This one-semester elective course engages students with the Dominican charism that is at the heart of our Marian Catholic identity. The course will begin with an attempt to understand what spirituality is and how it is central to the faith life of a Christian. Students will then proceed to examine Dominican spirituality and the meaning that this way of life has for each of them. Topics of study will include the history of the Order and the lives of Dominican saints.

**SOCIAL JUSTICE**

**#01434 .5 Credit**

This one-semester elective course moves the study of theology beyond the textbooks to practical applications of the Christian faith in the secular world. Using Catholic Social Teaching as a lens to study and analyze issues such as human dignity, discrimination, economic justice, poverty, racism, technology, peacemaking, and care of God's creation, the course aims to empower students to respond to crucial modern issues in light of Gospel values and current Church teachings by becoming thoughtful global citizens working toward justice.

**SOCIAL ISSUES WITH AN ETHICAL PERSPECTIVE****#01444 .5 Credit**

This course will address the ethical, historical, and political dimensions of the Catholic Church in society through the 21<sup>st</sup> Century. Special emphasis will be placed on the Vatican's role during World War II, the Pontificate of St. John Paul II and the Cold War, and the relationship between the Church and the United States. Further, this course will give students the ability to reflect on the ethical and social dimensions of the Middle East and the changing political climate in the modern era. This allows for critical use of social analysis preliminary to discussion of Christian ethical responses. This course is NCAA approved.

**DISCOVERY IN SERVICE****#01954 .5 Credit**

This one-semester elective course focuses on the student's spiritual development and the Gospel call to serve others through an experience in Catholic social service. Three days a week, two periods are used for service as aides to local community agencies on a released-time basis. In school classes, two days a week, focus on skills for effective service with specific populations being served, along with discussion and reflection on the experience. Class topics such as finding one's life mission, prayer and giving unconditional love serve to aid in personal spiritual growth through one's relationship with self, others and God. An exploration of Catholic Social Teaching is also highlighted. Enrollment is limited and the instructor's and dean's approvals are required. Students will need personal access to a car, a valid driver's license and a valid Marian Catholic parking permit.

**WORLD RELIGIONS****#01464 .5 Credit**

This one-semester elective course will inform students of the development of various religious traditions. This survey course will familiarize students with the people, dimensions, and religious principles of the world's major religions, such as, Primal Religions, Eastern Religions, Western Religions, and Religions in the Modern World. One in-school and one evening field trip are required for this course. This course is NCAA approved.

## **ENGLISH COURSES**

The English curriculum comprises the study of English literature, composition, vocabulary, and grammar. Required English courses are offered on three levels for freshmen and two levels for sophomores, juniors, and seniors. English electives are also offered. A student who fails English 1, 2, or 3 must make up the needed credit in summer school at Marian before taking the next course level. A student who does not complete a passing English 3 research paper cannot enroll in English 4. A student who does not complete a passing English 4 research paper cannot graduate.

### **ENGLISH 1 HONORS**

**#02115 1 Credit**

This course includes an in-depth study of the short story, poetry, novel, and drama. Honors students read a variety of novels in preparation for the more intensive reading in Honors and AP courses. Composition focuses on literary analysis, narration, and argumentation. Students study grammar, usage, mechanics, vocabulary, and basic library skills. Finally, students develop skills in technology and create an electronic portfolio.

### **ENGLISH 1A**

**#02124 1 Credit**

This course includes the study of the short story, poetry, novel, and drama. Composition focuses on literary analysis, narration, and argumentation. Students study grammar, usage, mechanics, vocabulary, basic library skills, and utilize technology in learning.

### **ENGLISH 1 CP**

**#02133 1 Credit**

This course includes the study of the short story, poetry, novel, and drama with emphasis on reading skills. Composition focuses literary analysis, narration, and argumentation. Students study grammar, usage, mechanics, vocabulary, basic library skills, and utilize technology in learning.

### **FRESHMEN LANGUAGE SKILLS**

**#05124 1 Credit**

The purpose of this elective course is to give incoming freshmen the foundational language skills and study skills necessary to be successful in a World Language. Students are also given a firmer foundation in English and World Language skills (basic English grammar, reading, and writing). ***Students enrolled in this course must earn a passing grade both semesters to continue at Marian Catholic for their sophomore year.***

### **ENGLISH 2 HONORS**

**#02215 1 Credit**

This course continues and refines the in-depth study of literary forms. Composition continues to focus on literary analysis, narration, and argumentation. Students continue to study grammar, usage, mechanics, vocabulary, library research skills, and utilize technology in learning. ***Prerequisite:*** a B or above average and approval of current Honors teacher; an A-average, approval of current teacher of A-level class, and writing sample approved by English 2 Honors teacher is required to move from A-level to Honors or AP level class.

### **ENGLISH 2**

**#02224 1 Credit**

This course continues the study of literary forms. Composition focuses on literary analysis, narration, and argumentation. Students continue to study grammar, usage, mechanics, library research skills, and utilize technology in learning.

**ENGLISH 3 ADVANCED PLACEMENT: LANGUAGE AND COMPOSITION**

#02316 1 Credit

This course includes the chronological study of American literature, as well as preparation for the A.P. English Language and Composition examination. Composition focuses on exposition, literary analysis, narration, and argumentation. A literary research paper with a passing grade is required. **Prerequisite:** A B average and approval of current Honors teacher; an A- average and approval of current teacher of A-level class to move from A-level class to Honors or AP level class. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

**AMERICAN STUDIES**

#02326 2 Credits

American Studies is a combination of United States History AP and English 3 AP in two back-to-back periods. Readings and assignments in the two classes are coordinated. Enrollment in American Studies is an automatic enrollment in both A.P. classes. Signature of sophomore English teacher is required. **Prerequisite:** a B average and approval of current Honors teacher; an A- average and approval of current teacher of A-level classes to move from A-level classes to Honors or AP level classes.

**ENGLISH 3**

#02334 1 Credit

This course includes the chronological study of American literature. Composition focuses on literary analysis, narration, argumentation, and students utilize technology to enhance learning. A research paper with a passing grade is required.

**ENGLISH 4 ADVANCED PLACEMENT: LITERATURE AND COMPOSITION**

#02416 1 Credit

This course focuses on reading and discussing poetry and fiction of recognized literary merit and writing critical analyses of literature. Composition focuses on exposition, literary analysis, and argumentation. An extensive literary research paper with a passing grade is required. **Prerequisite:** A /B average and approval of current AP teacher; an A average and approval of current teacher of A-level classes to move from A-level classes to Honors or AP level classes. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

**ENGLISH 4: AFRICAN AMERICAN LITERATURE**  
**Credit**

#02404 1

Explore poetry from Phillis Wheatley to Pulitzer Prize-winner Kendrick Lamar, landmark novels and plays and nonfiction outlets from the Chicago Defender to social media, who all contributed to literature by African Americans in the United States. This course also will cover the events and conditions that inspired the literature. A research paper with a passing grade is required.

**ENGLISH 4: CHICAGO AUTHORS**

#02454 1 Credit

Explore the rich cultural tradition that Chicago offers, especially through the reading and discussion of the city's literary heritage from the nineteenth century through to the present day. In addition, students will connect this tradition to the other gifts the city offers through its art, architecture, music, and ethnic diversity. A research paper with a passing grade is required.

## **ENGLISH 4: DYSTOPIAN LITERATURE**

**#02484 1**

### **Credit**

Dystopian literature explores the social and political structures in alternative realities, often examining the darker side of human existence and almost nightmarish worlds. Students will read both fiction and non-fiction texts addressing the alternative reality of life. Composition focuses on style in literary analysis, narration, argumentation. Students will utilize technology to enhance learning. A research paper with a passing grade is required.

## **ENGLISH 4: FOUNDATIONS OF LITERATURE**

**#02494 1**

### **Credit**

Foundation of Literature analyzes the books that children read, ranging from small picture books to chapter books used in elementary schools. Students will examine who is represented in these works (and who is not), what lessons are told (and which are not), as well as look at pieces of nonfiction that examine who decides what is or is not published when it comes to children's literature. Students will look through the lens of race, gender, and social class to re-examine the texts they fell in love with as children. A research paper with a passing grade is required.

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## **ENGLISH 4: GLOBAL VOICES**

**#02414 1 Credit**

An introduction to the literary traditions of the world in a variety of narrative forms and historical contests from a global perspective. Emphasis will be placed on developing skills of literary interpretation and critical writing; on diverse, linguistic, cultural, and racial histories; and on the politics of empire and liberation struggles. A research paper with a passing grade is required.

**ENGLISH ELECTIVES:** These English electives may not be taken for the purpose of waiving Physical Education.

## **MASS MEDIA AND JOURNALISM**

**#03734 .5**

### **Credit**

This course is a semester elective for sophomores, juniors, and seniors. The course will explore social communication in our modern world. Students will read texts addressing the history and development of publishing from pamphlets to digital platforms, with an emphasis on varying styles of American journalism. The class will also serve as the basis of staff for *The Spartan Star*, the online student publication of Marian Catholic. Students will gain experience in news judgement, ethics, and leadership. Students who successfully complete the course would be permitted to re-enroll for a second semester to advance their skills.

**Prerequisite:** C average in English or teacher's recommendation.

## WORLD LANGUAGE COURSES

Two consecutive years of the same language are required for graduation. If a student fails the second semester of a world language, the full course (both semesters) must be made up during the following school year. A student who fails the first semester, but passes the second semester receives full credit for the course. However, the first semester grade is not changed. Many colleges require two years of the same language for admission. Some colleges accept four years of high school language for the college language requirement. Four years of a language is highly recommended for all who are capable of advanced study. **If a student wants to take an upper level course non-contiguously (if the student did NOT take the language in the previous year), approval will be required both from the World Language department and the student's guidance counselor.** A student may place in Spanish 2 based on a proficiency test given to incoming freshmen in May. When a student tests out of level one, the course is recorded on the student's transcript. Neither a credit nor grade is given for this course. The World Language department establishes the criteria for placement.

### LATIN 1

#06114 1 Credit

The first year of Latin includes study of ancient Roman culture, mythology, word derivations, vocabulary, and grammar. Focus is on the written word.

### LATIN 2 HONORS

#06215 1 Credit

In addition to the regular second year Latin content, this course requires familiarity with ancient classical civilizations, a greater facility with the Latin language and moves at a faster pace. **Prerequisite:** A- in Latin 1 and/or consent of teacher.

#06224 1 Credit

### LATIN 2

The second year of Latin includes Roman and Greek culture and mythology, and continues vocabulary, grammar, and derivative study in written form. **Prerequisite:** Passing grade in Latin 1.

### DUAL CREDIT LATIN 3: ELEMENTARY LATIN II

#06315 1 Credit

The third year of Latin provides a survey of all periods of Latin prose while completing a review of grammar and vocabulary. **Prerequisite:** Completion of Latin 2H and/or consent of teacher. Students can earn Dual Credit from Loyola University Chicago upon successful completion of this course (for information about Dual Credit, please see page 4).

### DUAL CREDIT LATIN 4: INTRO TO ROMAN PROSE & POETRY

#06415 1 Credit

The fourth year of Latin provides a survey of Latin poetry. **Prerequisite:** Completion of Latin 3 and/or consent of teacher. Students can earn Dual Credit from Loyola University Chicago upon successful completion of this course (for information about Dual Credit, please see page 4).

### MANDARIN CHINESE 1

#05114 1 Credit

Mandarin Chinese will introduce our students to the fundamentals in communication skills through reading, writing and conversation. Students will be learning the basic fundamental pin-yin phonetics, the Chinese four tone system, cultural studies, social attitudes, and communication skills. Proper grammar, verbal and written language will be taught so students will be able to write simple letters, perform greetings, and conduct daily conversations. Students will be exposed to music and its impact throughout history on the country. Students will demonstrate proficiency in speaking and writing at the completion of the course. This course is open to freshmen, sophomores, juniors and seniors.

**MANDARIN CHINESE 2****#05224 1 Credit**

The emphasis of the second year of Mandarin Chinese is on continued development of grammar, speaking, reading and writing skills, as well as a continuation of study of Chinese culture. ***Prerequisite:*** Completion of Mandarin Chinese 1.

**MANDARIN CHINESE 3 HONORS****#05325 1 Credit**

In the third year of Mandarin Chinese students will continue a four-skill approach to learning Chinese, with listening, speaking, reading, and writing from cultural contexts. The curriculum continues to emphasize listening and speaking in order to build a strong foundation in Mandarin. Lessons will include more complex sentence to meet daily needs and take conversations further to develop deeper relationships, and integrate video segments that expose culture and dialogues of modern day China. Units will focus around dialogues used at health clinics, banking services, shopping, and a variety of other various businesses.

***Prerequisite:*** Completion of Mandarin Chinese 1 and Mandarin Chinese 2.

**MANDARIN CHINESE 4 HONORS****#05325 1 Credit**

In Mandarin 4, students will continue a four-skills approach to learning Chinese, with listening, speaking, reading, and writing from cultural contexts. The curriculum continues to emphasize listening and speaking in order to build a strong foundation in Mandarin. Lessons will include more complex sentences to meet daily needs and teach students how to take conversations further to develop deeper relationships, and integrate video segments that expose the culture and dialogues of modern-day China. Units will focus around dialogues used to describe school and studies, home, communicating directions, planning events, talking about past experiences, and asking advice for the future, etc. ***Prerequisites:*** Completion of Mandarin Chinese 3 Honors.

**HERITAGE SPANISH A****#07213 1 Credit**

Heritage Spanish is designed for students for whom Spanish is a native/heritage language. Taught primarily in Spanish, this class will provide students with an opportunity to expand their existing proficiency and improve their reading comprehension, writing, and presentation skills. This class will also serve to enhance students' understanding of the Hispanic cultures and social/political realities of the twenty-first century.

**SPANISH 1A****#07114 1 Credit**

Spanish 1A covers a comprehensive introduction to the Spanish language and culture. Basic vocabulary and grammatical structures are presented. Conversational skills and reading are taught.

**SPANISH 1 CP****#07123 1 Credit**

An introduction to the Spanish language and culture is included in this class. Basic vocabulary and grammatical structures are presented. Conversational skills and reading are introduced. *Students are placed in this course by their entrance exam scores.*

**SPANISH 2 HONORS****#07215 1 Credit**

Grammar, speaking, reading, writing, and cultural background are presented in greater depth and at a faster pace than in Spanish 2A. ***Prerequisite:*** Strong A average in Spanish 1A and recommendation of teacher. An equivalent grade on a placement test given by the Department in May for freshmen seeking advanced status, and recommendation of teacher or department chair.



**SPANISH 2A** #07224 1 Credit

The emphasis of the second year is on development of grammar, speaking, reading and writing skills, as well as a continuation of cultural study. Placement is determined by Spanish 1 teacher. ***Prerequisite:*** Recommendation of teacher. An equivalent grade on a placement test given by Department in May for freshmen seeking advanced status and recommendation of teacher or department chair.

**SPANISH 2 CP** #07233 1 Credit

The emphasis of the second year continues the structure and pace of Spanish 1CP with regards to grammar, speaking, and reading skills, as well as a continuation of cultural study. Placement is determined by Spanish 1 teacher.

**SPANISH 3 HONORS** #07315 1 Credit

The four basic language skills are stressed with a strong emphasis on advanced grammar as well as an introduction to literature. ***Prerequisite:*** Strong A average in Spanish 2A and recommendation of teacher or Strong B average in Spanish 2H and recommendation of teacher.

**SPANISH 3** #07324 1 Credit

Spanish 2 concepts of grammar and writing are further developed as well as a continuation of culture. Conversation and reading are thematic. ***Prerequisite:*** Strong B in Spanish 2A or C in Spanish 2H and recommendation of teacher.

**SPANISH 4 HONORS** #07415 1 Credit

There is an intensive review of grammar as well as emphasis on verbal and written comprehension. Literature study continues in depth. ***Prerequisite:*** A strong B in Spanish 3 Honors, and the recommendation of Spanish 3 Honors teacher.

#07424 1 Credit

**SPANISH 4**

This course offers an introduction to Hispanic literature. Grammar concepts are reviewed; verbal and written communication are stressed. ***Prerequisite:*** Strong C average in Spanish 3 AND recommendation of teacher.

**SPANISH 5 HONORS** #07456 1 Credit

This course will be an alternate offering to students who want to have a fourth year of World Language but not necessarily at the AP level. The course will focus upon using/refining students previously acquired skills (reading, writing, speaking, listening comprehension) through Hispanic literature and cinema. Grammatical concepts and vocabulary will be reviewed but not the emphasis of the class.

**ADVANCED PLACEMENT SPANISH LANGUAGE & CULTURE** #07456 1 Credit

This course is conducted entirely in Spanish at a level coinciding with a third-year college course in advanced writing, conversation, and culture. Skills include listening and reading comprehension of a variety of genres, speaking and writing in a variety of contexts, and intensive grammar review. The course content reflects the six themes covered on the AP exam: personal and public identities, contemporary life, family and communities, beauty and aesthetics, science and technology, and global challenges. Placement is based on teacher's recommendation of 3<sup>rd</sup> and 4<sup>th</sup> year honors students. Students can earn Dual Credit from Loyola University Chicago upon successful completion of the course (for information about Dual Credit, please see page 4). If the course is taught as an Advanced Placement, students will be required to take the AP exam in May, for which there is a fee set annually by the College Board

**ENGLISH AS A SECOND LANGUAGE (ESL) 1****#02544 1 Credit**

This course is designed for students, generally new to this country, who have limited reading, writing, speaking, and listening skills in English. Students study vocabulary words and concepts, such as verb tenses and sentence structures, which are the foundations of English grammar. They read a variety of fiction and nonfiction texts and practice expressing their opinions through writing and class discussion. The goals of this course are to develop students' abilities in English and in the four skill areas listed above, and prepare students with the academic and social skills needed to be successful at Marian Catholic.

**ENGLISH AS A SECOND LANGUAGE (ESL) 2****#02644 1 Credit**

This course is a continuation of ESL 1, building on students' reading, writing, speaking, and listening skills in English. Students study vocabulary, grammar, and a variety of texts throughout the year. Completion of this course satisfies the student's World Language requirement.

**ENGLISH AS A SECOND LANGUAGE (ESL) 3****#02744 1 Credit**

This course is a continuation of ESL, for those who have completed ESL 2 in their first year at Marian Catholic. It will build on students' reading, writing, speaking, and listening skills in English. Students study vocabulary, grammar, and a variety of texts throughout the year. Completion of this course satisfies the student's World Language requirement.

**WORLD LANGUAGE ELECTIVES:** This World Language elective may not be taken for the purpose of a World Language credit requirement.

## **SOCIAL STUDIES COURSES**

Students are required to take three years of Social Studies. The department offers a wide variety of courses that students can take to fulfill curriculum requirements and personal choice-focused studies. By the end of sophomore year, all students are required to take World History. Junior year students are required to take U.S. History and can choose from U.S. History, AP U.S. History\*, or AP American Studies\* (U.S. & AP English Language & Composition\*). Students may choose any other Social Studies elective course(s) to fulfill the three-year requirement. Please see the Social Studies Curriculum Chart on Page 31 for assistance in guiding your curriculum choices. \*All AP courses have prerequisites that must be met by the student.

### **WORLD HISTORY**

**#08124**

**1 Credit**

This required course for Social Studies is taken in the freshmen or sophomore year. Strong emphasis is placed on the developing of reading, writing, note-taking, research, critical thinking, and geography skills.

### **U.S. HISTORY**

**#08324**

**1 Credit**

This course traces the history of the United States from its colonial origins to the present. The course content includes the study of persons, events, periods, and concepts of American history. Emphasis is given to independent study and critical thinking skills. Required state and U.S. Constitution exams are given.

### **AMERICAN STUDIES**

**#02326 2Credits**

This course traces the history of the U.S. from its colonial origins to the present. Class size is limited to qualified students and consent of instructor is required. **Prerequisites:** Cumulative GPA of 3.8 and a 3.5 or above average in English and World History. Required state and U.S. Constitution exams are given. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

### **ADVANCED PLACEMENT MODERN WORLD HISTORY**

**#08126**

**1 Credit**

AP World History: Modern focuses on people, places, and processes, starting in 1200 and continuing to the present. Students will learn the global history during this time period. Students will develop and use the skills practiced by historians. There is analysis of primary and secondary sources, development of historical arguments: making historical connections, applying the reasoning skills of comparison, causation, continuity, and change over time. The course is based on six themes: environment, culture, politics, economics, social, and technology. This course develops and extends historical thinking and reasoning skills through reading, writing, discussion and debate. This course covers the history of the Americas, Africa, Asia and European regions of the world. It includes the local history and the global connections and interactions of these regions. **Prerequisites:** Open to freshmen in the top 90th percentile in reading, sophomores, juniors, and seniors with a 3.5 or higher GPA. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.



### **ADVANCED PLACEMENT / DUAL CREDIT U.S. HISTORY**

**#08316**

**1 Credit**

This course traces the history of the U.S. from its colonial origins to the present. Class size is limited to qualified students and consent of instructor is required. **Prerequisites:** Cumulative GPA of 3.8 and a 3.5 or above average in English and World History. Required state and U.S. Constitution exams are given. Students can earn Dual Credit from Loyola University Chicago upon successful completion of the course (for information about Dual Credit please see page 4). If the course is taught as AP, students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

### **ADVANCED PLACEMENT AMERICAN GOVERNMENT**

**#08546**

**1 Credit**

This course examines the structure and operations of government in the United States. It also studies the role of political parties and election campaigning in our society. It will reveal how the complexity of our government is the result of compromises and political negotiations. **Prerequisite:** Open to students with a minimum cumulative GPA of 3.25 or instructor's approval. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

### **ADVANCED PLACEMENT COMPARATIVE GOVERNMENT**

**#08556**

**1 Credit**

This course examines the governments and political cultures of China, Great Britain, Iran, Mexico, Nigeria, and Russia. It also studies critical issues in the world today that involve those governments. It will reveal how different governmental structures and political cultures arise out of the history and aspirations of those countries under study.

**Prerequisite:** Open to sophomores, juniors and seniors with a minimum cumulative GPA of 3.25 or instructor's approval. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

### **ADVANCED PLACEMENT HUMAN GEOGRAPHY**

**#08566**

**1 Credit**

Human Geography will help students understand the earth, how humans interact with the earth and each other, and is geared toward students who are looking to combine aspects of the different social sciences and applying them to the world around them. Topics explored include the nature and perspectives of geography, cultural patterns and process, organization of political space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. Skills applied for this course include interpreting maps and analyzing data to understand both physical and human processes, examining the relationship between physical space and social, political, and economic phenomena, and looking for patterns that emerge on the local, regional, national, and global scales. Emphasis in reading complex text and writing should be expected. This elective course is open to students with a minimum 3.25 GPA. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

### **ADVANCED PLACEMENT MICRO AND MACROECONOMICS**

**#08476**

**1 Credit**

This year-long elective course for juniors and seniors will give students an understanding of the principles of economics that apply to functions of individual decision makers and an economic system as a whole. The course places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Students will also be exposed to a study of national income and price determination, economic performance measures, economic growth, and international economics. **Prerequisite:** Cumulative GPA of 3.5 or instructor's approval. Students are required to take both AP Exams (Microeconomics and Macroeconomics in May for where there is a fee set annually by the College Board.



**ADVANCED PLACEMENT / DUAL CREDIT PSYCHOLOGY #08456 1 Credit**

This course for juniors and seniors focuses on the history, biological factors, theory, statistics, and treatment within the field of psychology. The understanding of theory, critical analysis, and research skills are emphasized. Prerequisites: Student must have a 3.5 GPA or higher. Class size is limited to the most qualified students. Instructor's approval is required. Students can earn Dual Credit from Loyola University Chicago upon successful completion of the course (for information about Dual Credit please see page 4). If the course is taught as AP, students will be required to take the AP exam in May, for which there is a fee set annually by the College Board.

**HISTORY OF AFRICAN AMERICANS IN CHICAGO: #08534 .5 Credit**  
**DU SABLE TO OBAMA**

Students will explore the experiences and contributions of Chicago's African American leaders, artists, and intellectuals who shaped the city. Beginning with Chicago's first black settler and founder, Jean Baptiste DuSable to the forty-fourth President of the United States, Barack Obama, students will examine the compelling struggles and triumphant achievements of famous and not so famous black Chicagoans. This semester course is offered to juniors and seniors.

**AMERICAN GOVERNMENT #08414 .5 Credit**

The course examines our federal system of government, which has evolved from the Constitution to its current status. It emphasizes how public policy is the result of the interaction between the branches of our government and the diverse values of our multicultural society.

**INTRODUCTION TO ANTHROPOLOGY #08444 .5 Credit**

Anthropology is the study of humankind, both past and present. Students will discover how to learn about different cultures. This class is an introduction to the discipline of anthropology through an examination of its four sub-fields: archaeology (excavation and analysis of remains), physical anthropology (human evolution), socio-cultural anthropology (social structure, law, politics, religion, magic, art, and technology in a culture), and linguistics (language).

**PSYCHOLOGY #08464 .5 Credit**

This course for juniors and seniors is an introduction to the scientific study of human behavior, including concepts of human growth and development, learning and thinking, conflicts and adjustments, and personality disorders. Students will work collaboratively on the application of psychological methods and research.

**SOCIOLOGY AND CRIMINAL JUSTICE #08514 .5 Credit**

This course is the study of people and their social life with emphasis placed on socialization, culture, and social life. Also included in this semester long course are in-depth examination of criminal justice procedures in our democratic society. Topics will include history of criminal justice in American, Illinois law, and the criminal court system. This course is designed for students interested in the dynamic relationship between Sociology and Criminal Justice.

**SPORTS AND SOCIETY THROUGH LITERATURE****#08344****.5 Credit**

This elective course for juniors and seniors will examine the relationship between sports and society. Our nation, in many ways, is defined by our thirst for competition, of striving to be the best. The struggles and conflicts faced in our lives are often reflected and reinforced in the “arena.” Concurrent themes such as equity, gender, racism, perseverance, and integrity are just a few topics that are well documented and depicted through the various mediums. This relationship will be examined through historical fiction, nonfiction, newspapers, periodicals, and the visual arts. Students will examine how the issues of the day are often mirrored, magnified, and reinforced through sports.

<b>Social Studies Path</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>
<b>Advanced History</b>	AP Modern World History (Fr/Soph)	AP US History (Jr)	Choose at least one:  AP US Government (Jr/Sr)  AP Comparative Government (Jr/Sr)
<b>Business</b>	AP Modern World History (Fr/Soph)  )	AP US History (Jr)	Choose at least one:  AP Economics (Jr/Sr) AP Psychology (Jr/Sr)
<b>Advanced Political Science</b>	AP Modern World History	AP US History (Jr)	AP Comparative Government AP US Government AP Human Geography
<b>College Prep</b>	World History	US History	Choose two (as Jr or Sr)  Psychology American Government Sociology & Criminal Justice Anthropology History of African Americans in Chicago: DuSable to Obama Sports Through Literature

## **MATHEMATICS COURSES**

Three credits of math are required for graduation. Four years of math are encouraged for those who are capable of advanced study. A student who fails either semester of math must make up the needed credit in summer school. A student who fails a full year of a required math course must repeat the course during the following school year. A student who also fails summer school math must repeat the full course the following school year. A student may place into an advanced math course based on a proficiency test given to incoming freshmen in May. When a student tests out of a course, the course is recorded on the student's transcript. Neither a credit nor a grade is given for the course. The Math Department establishes the criteria for placement. A student who tests out of two levels of mathematics will be able to take a full four-year program of math. For math course sequence see Page 36.

### **ALGEBRA 1 HONORS**

**#09115 1 Credit**

This course includes all topics of Algebra 1 with emphasis on reasoning and analytical thinking and an in-depth program on applied problem solving. Graphing calculators and computers will be used to expand the students' mathematical experiences. Placement by department on the basis of entrance exam scores and proficiency exam scores.

### **ALGEBRA 1A**

**#09124 1 Credit**

Topics include rational numbers, linear equations and inequalities, systems of linear equations and inequalities, quadratic equations, operations with polynomials, rational and radical expressions, and rational and radical equations. Course includes a strong emphasis on developing problem solving skills for real world situations. A TI-30XIIS calculator is required. Placement by department is based on entrance exam scores and proficiency exam scores.

### **ALGEBRA 1 CP**

**#09133 1 Credit**

Topics include rational numbers, linear equations and inequalities, systems of linear equations and inequalities, quadratic equations, operations with polynomials, rational and radical expressions, and rational and radical equations. Course includes an exposure to developing problem solving skills for real world situations. A TI-30XIIS calculator is required. Placement by department is on the basis of entrance exam scores and proficiency exam scores.

### **PRE-ALGEBRA**

**#09143 1 Credit**

This course focuses on having students reach mastery of integer operations, rates, proportions and percents, both computations and applications. In addition, using various methods, students represent algebraic relationships, solve multi-step equations, and employ strategies for problem solving. Also, some geometry topics are introduced and reviewed, including the use of number lines and other geometric models to represent fractions, decimals, and integers. Placement by department only after required summer session.

***Students enrolled in this course must earn a passing grade both semesters to continue at Marian Catholic for their sophomore year.***

## **GEOMETRY HONORS**

**#09215 1 Credit**

This course presents plane and solid Euclidean geometry, logic, and deductive proofs with an emphasis on precise mathematical language. The study of geometry is integrated with the study of algebra and the real number system. A TI-Nspire CS (non-CAS) calculator is recommended but not required for this course. **Prerequisite:** 8th grade Algebra 1 and passing qualifying exam; B- or better in Algebra Honors first semester; or A in Algebra 1A and teachers' permission.

## **GEOMETRY A**

**#09224 1 Credit**

This course introduces students to the fundamentals of Euclidean plane and solid geometry. It includes the study of logic and deductive proofs, problem-solving techniques, and algebraic application to geometry. A TI-30XIIS calculator is required. **Prerequisite:** C average or better in Algebra 1A.

## **GEOMETRY CP**

**#09233 1 Credit**

This course introduces students to the fundamental of Euclidean plane and solid geometry. It includes the study of problem-solving techniques, algebraic application to geometry, and logic and deductive proofs, but with less emphasis placed on the formal proof. A TI-30XI calculator is required. **Prerequisite:** Completion of Algebra 1CP.

## **ALGEBRA 2 HONORS**

**#09315 1 Credit**

This course reviews Algebra 1 and contains extensive and rigorous work in linear and quadratic functions, rational and irrational numbers, complex numbers, and some probability and statistics. The trigonometry unit will include the unit circle, proving identities and graphing periodic functions. A TI-Nspire CX (non-CAS) calculator is required. **Prerequisite:** B - in Geometry Honors or A in Geometry A and A in Algebra 1A.

## **ALGEBRA 2 A**

**#09324 1 Credit**

This course reviews Algebra 1 and contains work in linear and quadratic functions, rational and irrational numbers, complex numbers, linear programming, logarithms, and basic trigonometric ratios. A Calculate 84 App (TI-84 optional) calculator is required. **Prerequisite:** B or C average in Algebra 1A and Geometry A.

## **ALGEBRA 2 CP**

**#09333 1 Credit**

This course reviews Algebra 1 and contains work in linear and quadratic functions, rational and irrational numbers, complex numbers, and ACT review, including trigonometry. A TI-Nspire CX (non-CAS) calculator is required. **Prerequisite:** Completion of Algebra 1CP and Geometry CP.

## **PRECALCULUS A**

**#09444 1 Credit**

This course is intended for students who plan to take calculus in college. Emphasis is placed on all types of trigonometry functions conic sections, polar graphing, analytic geometry and rectangular graphing. Use of the graphing calculator is integrated into this course. A TI-Nspire CX (non-CAS) calculator is required for this course. **Prerequisite:** B in Algebra 2A.

**#09433 .5 Credit**

## **INTRODUCTION TO TRIGONOMETRY**

This one-semester course uses a less rigorous approach to the topics of Trigonometry. Available to students with a GPA of 2.0 or above and a C in Algebra 2A or 2CP. A TI-Nspire CX (non-CAS) calculator is required for this course.



## **INTRODUCTION TO PROBABILITY AND STATISTICS**

**#09443 .5 Credit**

This semester course is interdisciplinary in nature. Problems are focused on the fields of medicine, ecology, natural science, education, and business. Topics include, but are not limited to, sampling techniques, data analysis, statistical graphing, measures of central tendency, measures of variation, percentiles, counting techniques, and probability distributions; probabilities of independent, dependent and mutually exclusive events; binomial and normal distribution probabilities; an introduction to hypothesis testing and confidence intervals and standard error. A TI-Nspire CX (non-CAS) calculator is required for this course. **Prerequisite:** Completion of Algebra 2A or 2CP.

## **STATISTICS**

**#09434 1 Credit**

This course is intended for students who will not need to take Calculus in college. This year-long course provides students with a basic understanding of statistics and prepares them to solve problems that involve collecting and analyzing meaningful data. This includes the study of measures of central tendency, measures of variation, graphical representation of data, regression, correlation, probability, sampling techniques, parameter estimation, and hypothesis testing. Technology and statistical literacy will be integrated throughout the course. Use of the graphing calculator is integrated into this course. An TI-Nspire CX (non-CAS) calculator is required for this course. **Prerequisite:** C in Algebra 2A or B in Algebra 2 CP.

## **CALCULUS HONORS**

**#09455 1 Credit**

This course covers the same material as Calculus AB but with less rigor and at a slower pace. Students do not take the Advanced Placement Calculus Exam. A TI-Nspire CX (non-CAS)-calculator is required. **Prerequisite:** Pre-Calculus.

**new**

## **ADVANCED PLACEMENT PRECALCULUS**

**#09446 1 Credit**

The areas of study include real and complex numbers; polynomial, exponential, logarithmic and trigonometric functions and their composition, conics sections, vectors, polar and parametric equations, and some probability and statistics. An introduction to limits will be covered as time allows. A TI-Nspire CX (non-CAS) calculator is required.

**Prerequisite:** C in Algebra 2 Honors or B- or better in Trig-Analytic

Geometry/Precalculus A. Students will be required to take the AP exam in May, for which there is a fee set annually by the College Board.

**new**

## **ADVANCED PLACEMENT/DUAL CREDIT CALCULUS AB**

**#09466 1 Credit**

This course includes functions, limits, derivatives, and integration with applications of both. A TI-Nspire CX (non-CAS) calculator is required. **Prerequisite:** B in Pre-Calculus. Students can earn Dual Credit from Benedictine University upon successful completion of the course (for information about Dual Credit please see page 4). If the course is taught as AP, students will be required to take the AP exam in May, for which there is a fee set annually by the College Board.

## **ADVANCED PLACEMENT CALCULUS BC**

**#09476 1 Credit**

This course covers the same material as A.P. Calculus AB plus complex methods of integration, series, polar coordinates, vectors, and parametric equations. A TI-Nspire CX CAS calculator is required. **Prerequisite:** A in Pre-Calculus. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

**MULTIVARIABLE CALCULUS HONORS****#09555 1 Credit**

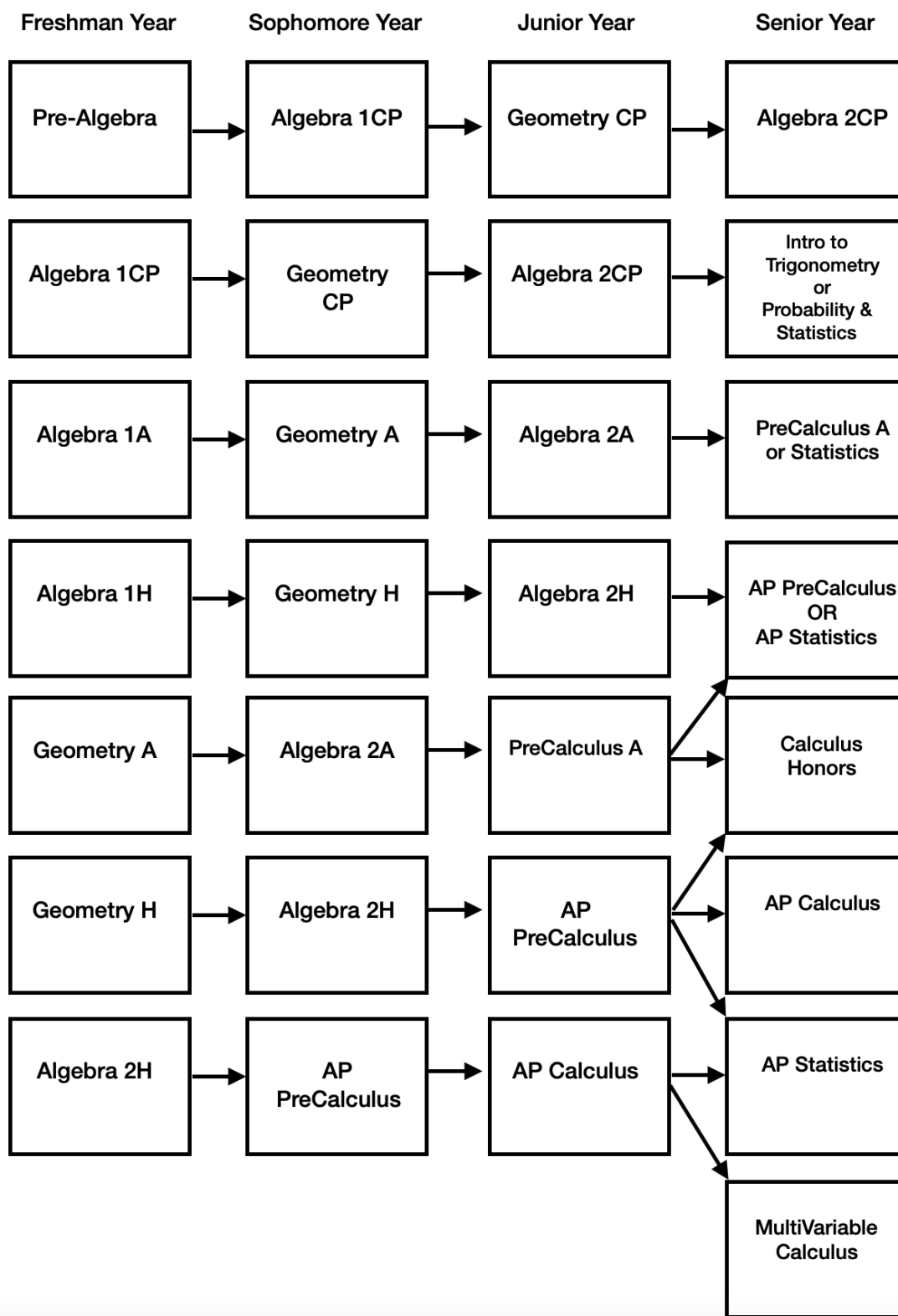
This course will continue to study and expand on topics contained in Calculus BC Advanced Placement, and cover differential, integral and vector calculus for functions of more than one variable. These mathematical tools and methods are used extensively in the physical sciences, engineering, economics and computer graphics. This course will be conducted entirely on-line. **Prerequisite:** Students must have successfully completed AP Calculus BC with a “B” average or better and/or the approval of the Math department chairperson

**ADVANCED PLACEMENT STATISTICS****#09986 1 Credit**

This is an advanced placement course designed to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will participate in interactive demonstrations using real world data to emphasize the many applications to our everyday lives. A TI-Nspire CX (or CAS) calculator is required for this course. **Prerequisite:** Algebra 2 Honors or Trig/Analytic Geometry with teacher recommendation. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

The chart on the following page outlines the typical math progression based on a student's freshman course. Please reference course registration section on Page 10.

# MATHEMATICS SEQUENCE CHART



## **SCIENCE COURSES**

Three years of science are required for graduation. Biology is required of all students. Four years of science are highly recommended for all who are qualified.

### **BIOLOGY HONORS**

**#10116 1 Credit**

The topics in this course include: microscopy, the scientific method, biochemistry or macromolecules, the history structure and function of the cell, cell respiration, photosynthesis, cell division, DNA, RNA and protein synthetics, genetics, and evolution. Biology Honors finishes with instruction on human body systems including digestive, excretory, circulatory, respiratory and the nervous system. The pace of this class is faster and the content is more intense than Biology A.

### **BIOLOGY A**

**#10124 1 Credit**

The topics in this course include: microscopy, the scientific method, biochemistry of macromolecules, the history structure and function of the cell, cell respiration, photosynthesis, cell division, DNA, RNA and protein synthetics, genetics, and evolution. Biology A finishes with instruction on human body systems including digestive, excretory, circulatory, respiratory and the nervous system.

### **BIOLOGY CP**

**#10133 1 Credit**

College Preparatory Biology introduces students to the field of life science. The year begins with a review of lab safety procedures, the scientific method, and the proper way to use microscopes in a lab setting. The class then proceeds through the study of life from the molecular level to complex multicellular organisms. The course covers biological molecules, prokaryotic and eukaryotic cells, the cell theory, organelles of eukaryotic cells, energy processes in living things (photosynthesis, fermentation, cellular respiration), mitosis, meiosis, the central dogma, transcription, translation, Mendelian genetics, genetic inheritance, and natural selection. The year ends with an introduction to ecology, botany/zoology and comparative anatomy. Unit topics are generally similar to accelerated and honors topics, but college preparatory classes move more slowly and may delve in depth into some topics in each unit.

### **ADVANCED PLACEMENT BIOLOGY**

**#10416 1 Credit**

This course includes topics regularly covered in college level biology. The focus of this class is on biochemical and molecular basis of life. After showing themselves to be qualified on the Advanced Placement Exam, some students, as college freshmen, are permitted to undertake upper-level courses in biology or register for courses in which biology is a prerequisite. Students wishing to enroll in this course must have completed three years of science including Honors Biology with a grade of at least B and Honors Chemistry. Students must have a GPA of 3.8 or above. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

### **PHYSICAL SCIENCE**

**#10213 1 Credit**

This course is an introduction to physics and chemistry. It proceeds from a survey of the methods of science to an exploration of dynamics, forms of energy, matter, and changes in matter. This class is offered at the sophomore or junior level for students who have taken Pre-Algebra, Algebra 1 CP, and Biology CP as freshmen.



## **ADVANCED PLACEMENT / DUAL CREDIT CHEMISTRY**

**#10226**

**1 Credit**

This course is designed to be the equivalent of a general college chemistry course. This class may enable a student to begin in a second-year college course in Chemistry. Topics such as the structure of matter, kinetic theory, chemical equilibrium, and thermodynamics will be presented. **Requirement:** Completion of Chemistry Honors with at least an A-, completion or concurrent enrollment in Honors math. Students must have a GPA of at least 3.8. Students can earn Dual Credit from Loyola University Chicago upon successful completion of the course (for information about Dual Credit see page 4). If the course is taught as AP, students will be required to take the AP exam in May, for which there is a fee set annually by the College Board.

## **CHEMISTRY HONORS**

**#10234**

**1 Credit**

This is an elective course for sophomores, juniors, or seniors who have completed Honors Biology. **Prerequisites:** A GPA of at least 3.6 and completion of Biology Honors and Algebra I Honors or higher math.

## **CHEMISTRY A**

**#10244**

**1 Credit**

This course is an elective for those students who have completed Biology. All topics required for college Chemistry are covered with emphasis on laboratory work. **Prerequisites:** Completion of Biology A and completion of Algebra 1A or higher math.

## **CHEMISTRY CP**

**#10253**

**1 Credit**

This course is an elective for sophomores, juniors, or seniors who have completed Biology. All topics required for college Chemistry are covered. More emphasis is placed on hands on activities in labs. **Prerequisite:** Completion of Algebra 1CP and Biology CP.

## **PHYSICS 1 A**

**#10414**

**1 Credit**

This is an elective course for those students who are interested in engineering, medicine, or science and/or are following the traditional science curriculum of biology, chemistry and physics. Areas of study include motion, forces, energy, momentum, waves, sound and light. Some computer-based applications are included in the course. Concepts rather than mathematics will be emphasized in this course. **Prerequisites:** Enrollment in or completion of Algebra 2A and GPA of 2.4 or greater.

## **PHYSICS 1 HONORS**

**#10425**

**1 Credit**

This is an elective course for those students who are interested in engineering, medicine, or science, and qualify for a more rigorous advanced course. Areas of study include motion, forces, energy, momentum, waves, sound and light. Some computer-based applications are included in the course. A graphing calculator is recommended. A balance of mathematical understanding and conceptual understanding will be emphasized in this course.

**Prerequisites:** Enrollment in or completion of Algebra 2/Trigonometry H, Trigonometry-Analytic Geometry, or Pre-Calculus H, and a GPA of 3.6 is required.

## **PHYSICS 2**

**#10444 1 Credit**

This is an algebra-based, seminar course designed for students interested in exploring more elements in the field of Physics, but who may not necessarily want to take Advanced Placement Physics. Students will choose the topics of study that meet their interests and needs, including Static Electricity, Current Electricity, Electromagnetism, Thermodynamics, Fluids, Optics, Atomic and Nuclear Physics, Quantum Physics, and Relativity. Students will select how they will demonstrate their understanding of the material which includes presentations, videos, lab reports, problem sets, and traditional exams. Students are required to complete weekly journals for academic progress monitoring. **Students will have the opportunity to choose to take an Advanced Placement Physics exam in May (they must declare their choice by September)**, for which there is a fee set annually by the College Board. Prerequisites: C or better in any previous level of Physics. Students wishing to take an Advanced Placement Physics Exam will be enrolled in this class.

## **ADVANCED PLACEMENT PHYSICS**

**In order for a student to take the Advanced Placement Physics Exam(s), they must be enrolled in Physics 2. College Board offers four (4) different Advanced Placement Exams in Physics: AP Physics 1: Algebra-based; AP Physics 2: Algebra-based; AP Physics C: Electricity & Magnetism; AP Physics C: Mechanics. Course descriptions may be found on the College Board website at:**

**<https://apcentral.collegeboard.org/courses>**

## **ENGINEERING 1 HONORS**

**#10515 1 Credit**

Students will learn the key elements of effective problem solving and the process of the engineering design cycle. This elective course will be completely hands-on. Students will work through project modules and work toward goals with guidance and oversight by the teacher. The principal methods of teacher guidance are questioning, probing, and process-related commentary, with little to no direct instruction. Academic topics that will be covered include: structural elements, static and dynamic forces, transmission of power, gears and pulleys, simple and complex machines, experimentation with drive and directional systems, the calculation of net forces, efficiency, prototyping, and much more. The course will also, by its nature, teach students real world engineering skills such as time management, developing/testing/rejecting hypotheses, and overall project management. **Prerequisites:** A GPA of at least 3.6 and completion or concurrent enrollment in Honors Mathematics, and signed into the course by the instructor. Students must also have completed or be scheduled to complete all sophomore course requirements. **Note:** Students interested in pursuing Engineering in college are strongly advised to continue with Mathematics & Physics courses and not take Engineering 1 Honors in place of these courses.

## **ENGINEERING 2 HONORS**

**#10525 1 Credit**

Engineering II Honors is the second-year course in the Engineering Honors program. Students will continue to expand their engineer's perspective of effective problem solving and engineering design while gaining new skills with the introduction of 3D CAD software, fabrication with rapid prototyping, and preliminary development of an advanced project that will carry over to Engineering III Honors. The course will be completely hands-on. Students will work through project modules and work toward goals with guidance and oversight by the teacher. The principal methods of teacher guidance are questioning, probing, and process-related commentary, with little or no direct instruction. **Prerequisites:** A GPA of at least 3.6 and completion of Engineering I Honors, and signed into the course by the instructor. **Note:**

Students interested in pursuing engineering in college are strongly advised to continue with Mathematics & Physics courses and not take Engineering II Honors in place of these courses.

### **ENGINEERING 3 HONORS**

**#10535 1 Credit**

Engineering III Honors is the third year of the Engineering Honors program. Students will formalize their engineering habits of mind and engineer's perspective of effective problem solving and engineering design, hone their CAD skills and improve parts design and fabrication processes, finalize mechanical performance of their small form factor robot, and experience an in-depth immersion into the world of data acquisition and processing related to robot control, both human operated and embedded. **Prerequisite:** A GPA of at least 3.6 and completion of Engineering II Honors, and signed into the course by the instructor. **Note:** Students interested in pursuing engineering in college are strongly advised to continue with Mathematics & Physics courses and not take Engineering III Honors in place of these courses.

**#10455 1 Credit**

### **HUMAN ANATOMY AND PHYSIOLOGY HONORS**

This is an elective course for juniors and seniors who have completed Biology and Chemistry. It is designed for students interested in a career in Biology or the allied health professions. Cat dissection and other dissections are required. There is an optional field trip to view human dissection. **Prerequisite:** Completion of **Chemistry** and a B in Biology A, GPA of 3.5.

### **HUMAN ANATOMY AND PHYSIOLOGY**

**#10454 1 Credit**

This is an elective course for juniors and seniors who have completed Biology and Chemistry. It is designed for students interested in life sciences or the allied health professions. The major emphasis is on anatomy with minor emphasis on physiology. Cat dissection and other dissections are required. There is an optional field trip to view human dissection. **Prerequisite:** Completion of **Chemistry**, C in Biology A, GPA of 2.4.

### **HUMAN ANATOMY**

**#10463 .5 Credit**

This is a one-semester course for students interested in life sciences or allied health professions. It is a hands-on elective lab science course for juniors or seniors who have successfully completed biology and either physical science, physics or chemistry. This course is restricted to the student who does not qualify for either full year course in Human Anatomy and Physiology (#10454 or #10455). The major emphasis is on Anatomy with minimal physiology. It may be taken in conjunction with another .5 credit science class to fulfill the science requirement. **Prerequisite:** Completion of Biology CP and one other full-year science course; junior or senior status.

### **ECOLOGY AND ENVIRONMENTAL SCIENCE**

**#10314 .5 Credit**

This is an elective one-semester course for juniors and seniors who have successfully completed Biology and Chemistry. It is a multi-dimensional, technology-oriented course emphasizing Internet-related tele computing projects, presentations, and activities. The course surveys contemporary ecological and environmental concepts, problems, and issues.

### **INTRODUCTION TO BOTANY AND ZOOLOGY**

**#10324 .5 Credit**

This one-semester lab course is for juniors and seniors who have completed Biology and either Physical Science, Physics or Chemistry. One quarter will be spent studying plants, plant physiology, and plant anatomy. The other quarter will deal with animals, the phyla, and comparative Zoology. Dissection required.

**FORENSIC SCIENCE****#10344 .5 Credit**

This semester elective lab course is an integrative survey of modern forensic science, including both investigative techniques and the civic implications of crime science assessment. Students will apply their theoretical knowledge by analyzing actual cases, practicing modern forensic investigation techniques and solving simulated crimes. A cumulative project involving a crime scene assessment will be required of all participants. Three full credits of science are required.



## **FINE ARTS COURSES**

One-half credit in Fine Arts is required of all students. Those students who are interested in music, art, speech, or drama are encouraged to take a sequence of these courses beginning in freshman year. The Studio Arts sequence emphasizes both breadth and depth of competence in Studio-based Art disciplines. It expands students' horizons beyond the foundations level with work in a variety of media and disciplines. The course design is for the serious artist who may want to continue at a higher level of education or for the student who is interested in art and would like to explore a specific studio course(s). By requiring intensive study, it allows students to develop depth within at least one studio discipline (drawing, painting, ceramics, sculpture). It also encourages exploration of new mediums, techniques, and non-traditional subjects.

**Foundations of Visual Art is the prerequisite for all studios to be taken.** See page 47 for the Visual Arts course sequence.

### **FOUNDATIONS OF VISUAL ART**

**#11514 .5**

#### **Credit**

An introductory course which is a prerequisite for all other visual arts courses. Students will understand how to apply the art elements, design principles, and vocabulary in two-dimensional and three-dimensional works of art. Students will experiment with a range of media and will explore the art making process and personal interpretation through both observation and imagination project-based learning. Students will develop appropriate studio habits and knowledge and understanding of the design process, equipping them to pursue other visual arts courses.

### **DRAWING 1**

**#11814 .5 Credit**

This course provides an introduction to basic techniques, materials, compositions skills, drawing from observation and imagination. Students will explore the fundamental drawing elements and principles through project-based learning. Students will become familiar with different drawing media including graphite, charcoal, pen and ink, and colored pencils, and different themes and subjects in their work.

### **DRAWING 2**

**#11824 .5 Credit**

The course reinforces the formal and technical concepts introduced in Drawing 1. Students work with a variety of subjects and mediums while exploring a wide range of original conceptual approaches, culminating in a final series of related drawings. Students will be required to complete outside assignments in sketchbooks or iPads. Research will be required when developing original concepts. Personal and class critiques will be held regularly to help foster student progress. **Prerequisite:** Drawing 1 with portfolio review.

### **PAINTING 1**

**#11844 .5 Credit**

This course provides an introduction to basic painting media, techniques, color theory, composition skills, and elements of design. Still life, landscape, portraiture, and non-representational ideas are among the subjects covered. This is a required course for those interested in taking Painting 2. **Prerequisite:** Foundations of Visual Art.

**PAINTING 2****#11854 .5 Credit**

Student will apply knowledge and techniques introduced in Painting 1. Observation skills will further be developed while focusing on composition and use of space. Students will learn how to work with specific color schemes to create visual impact and evoke emotion within a subject. A variety of painting media (watercolor, tempera, and acrylic) and various mixed medias will be introduced, with the study of both traditional and non-traditional subjects. Students will complete all research and preliminary work within a sketchbook or iPad. Students will be expected to participate in both individual and class critiques to help foster personal growth while students learn how to use the language of art in discussion. Students will purchase art supplies in class. **Prerequisite:** Painting 1 with portfolio review.

**POTTERY I: FROM THE EARTH TO THE TABLE****#11124 .5 Credit**

This semester course will explore the properties of kiln-firing clay. Students will learn hand-building techniques, such as pinch, coil and slab, along with learning about the properties of kiln firing and glazing processes. Students will study the history of pottery starting from the Egyptian Era to present day. This class meets the Fine Arts requirement. **Prerequisite:** Foundations of Visual Art.

**POTTERY II: UTILITARIAN TO CONCEPTUAL****#11424 .5 Credit**

This semester course will continue hand building techniques with emphasis on utilitarian forms and craftsmanship. Students will be introduced to building conceptual sculptural forms. This course will address personal expression through advanced glazing methods. Three styles of art will be introduced: Impressionism, Expressionism, and Contemporary. **Prerequisite:** This class is an elective semester course offered to seniors only, who have successfully completed Pottery I with a minimum grade of a C.

**THREE-DIMENSIONAL MULTI-CULTURAL SCULPTURE****#11134 .5 Credit**

This semester course is designed to raise students' awareness, appreciation, and understanding of the important role that ethnic diversity plays in our society today, particularly in the Visual Arts. Students will learn to collaborate, manage, and create three-dimensional large-scale sculptural forms that become permanent pieces of artwork to be displayed around the school. This class meets the Fine Arts requirement. **Prerequisite:** Foundations of Visual Art.

**INTRODUCTION TO DIGITAL PHOTOGRAPHY****#11434 .5 Credit**

Digital Photography is an elective semester course for sophomores, juniors and seniors which introduces students to the basics of digital photography. Students develop camera skills, learn darkroom processes, and investigate the principles of art and elements of design using photography. This studio course incorporates technology into Art. Students will supply a digital camera with memory card, USB/Fire wire cable, and card reader. **Prerequisite:** Foundations of Visual Art.

**INTRODUCTION TO GRAPHIC DESIGN****#11934 .5 Credit**

This semester course will focus on communication using the concepts of visual problem solving. The course will concentrate on the development of design skills employed in commercial avenues such as advertising, publishing, corporate identity, and product design. The foundation of design principles will be introduced and reinforced as the core strength in effective visual design and product design development. Students will explore a range of design techniques using various media and software programs including those in Adobe Creative Suites. ***Prerequisite:*** Foundations of Visual Art.

**ADVANCED STUDIO ART I****#11524 .5 Credit**

This course offers students the opportunity to create a professional body of work that reflects their personal style and talent, using their choice of art media. Students build on the sequential learning experiences of two and/or three-Dimensional art that encompass art history, art criticism, aesthetics, and production through project-based learning. This course is intended for the advanced student that has demonstrated a high level of motivation, maturity, and responsibility in the studio. This course is designed for students serious about developing a portfolio for college and/or career readiness.

**ADVANCED STUDIO ART II****#11534 .5 Credit**

This course is a continuation of Advanced Studio Art I. Students will continue to build on the sequential learning experiences of two and/or three-Dimensional art that encompass art history, art criticism, aesthetics, and production through project-based learning. This course is intended for the advanced student that has demonstrated a high level of motivation, maturity, and responsibility in the studio. This course is designed for students serious about developing a portfolio for college and/or career readiness.

**ADVANCED PLACEMENT ART AND DESIGN****#11536 1 Credit**

This Advanced Placement Art and Design program consists of three different courses and AP Portfolio Exams-AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing – corresponding to college and university foundations courses. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may take AP Art and Design for two years (as juniors and seniors) to enable them to submit more than one AP Portfolio for AP Portfolio Exams.

**BEGINNING LEVEL DRAFTING****#11924 .5 Credit**

Students utilize the mechanical design lab at Prairie State College to achieve the beginning skills necessary in Conventional or Free Board Drafting as well as attaining competence in CAD (Computer Assisted Design) taught by a specialized instructor. Two college credits are extended at no charge to students who maintain a 2.5 GPA or higher in this class. Class meets Mon. and Wed. from 3 p.m. - 5 p.m. This course is included in the student's cumulative GPA and credits but is not included in a student's six required semester courses.

**COMMUNICATION SKILLS (SPEECH)****#12114 .5 Credit**

This course introduces the student to preparing and delivering informative, demonstrative, persuasive, and other types of speeches, as well as making the student critically aware of public speaking today.

**INTRODUCTION TO THEATRE****#12214 .5 Credit**

This course may be used as an elective for all students who have no previous acting experience. This course introduces the student to acting, directing, and technical aspects of theatre.

**FILM STUDY****#12314 .5 Credit**

Film Study focuses on film as art. The student will learn to appreciate and understand movies from the past, as well as current films. Film study will cover the components of films, such as cinematography and editing, explore movies through a historical lens, and cover a wide variety of genres, such as film noir, the romance, the Western, science-fiction, comedy, drama, foreign film, big-budget blockbusters and small independent movies.

**PERFORMING ARTS****#12224 .5 Credit**

This course, an elective option restricted to sophomores, juniors and seniors is a survey of the performing arts with an emphasis on improvisational and scripted acting. **Prerequisite:** Introduction to Theatre and course instructor's approval.

**ORAL INTERPRETATION – HONORS****#12315 .5 Credit**

Students explore literary works in performance settings. Expressive techniques are emphasized which encourage the student to analyze and co-create. Students will present literature with solo and group techniques that emphasize oral expressiveness and craft readings into program arrangements. **Prerequisite:** Open to sophomores, juniors, and seniors. Consent of instructor is required.

**CONCERT CHOIR****#13113 1 Credit**

Concert Choir is an entry-level choir for all freshmen and new singers interested in music appreciation through vocal performance. Emphasis is placed on introducing students to choral literature written in three-part harmony and studying music of different styles, languages, and eras. Students will also begin to explore how to read music, learn music history, and create a deeper appreciation and understanding of music. No audition is required. Students will also perform concerts throughout the year and attendance to these concerts and after-school rehearsals is necessary.\*

**SPARTAN CHOIR****#13213 1 Credit**

Spartan Choir is an intermediate mixed chorus that concentrates on choral literature written in three-part and four-part harmony and focuses on studying music of different styles, languages, and eras. Students will continue to explore music theory, music history, and sight-reading. This course is for students who have successfully completed Concert Choir and/or have auditioned successfully. Students will perform at concerts throughout the year and attendance to these concerts and after-school rehearsals is necessary.\* This course is open to sophomores, juniors and seniors. **Prerequisite:** Concert Choir, or audition and director's approval. Membership in Spartan Choir makes students eligible to audition for Marian Catholic Vocal Ensembles.

**VARSITY CHOIR****#13213 1 Credit**

Marian Varsity Choir is an auditioned choir that performs advanced choral literature that is both a cappella and accompanied. This choir will have frequent assessments of individual vocal skills through demonstration and application of advanced musical concepts. The choir performs for school events, concerts, and in the community with required attendance for each performance. Students are also encouraged to take private lessons.\* Auditions are held in the spring. This course is open to juniors and seniors. Membership in Varsity Choir makes students eligible to audition for Marian Catholic Vocal Ensembles.

*\*Members of the Concert Choir, Spartan Choir, and Varsity Choir are encouraged to audition for IMEA Illinois All-State Chorus in the fall, the school musical, and Solo/Ensemble Festival in the spring as enrichment to their musical experiences. They will also have the opportunity to participate in Organizational Contests, District Festivals and Collegiate Festivals.*

**HONORS MUSIC THEORY/HISTORY****#13415 1 Credit**

This course is for choir students in their junior or senior year. Students are eligible to enroll in an independent computer/library study course. This class will provide the students with the basics for college music theory and history.

**CADET BAND\*****#14113 1 Credit**

This course is for all freshmen entering the Marian Band program. The Cadet Band members perform at two home concerts and one off-campus contest. Emphasis is placed on the basics of musicianship and performance. From August – November, members perform with the marching band, and for the remainder of the year may perform in the upper level concert groups, jazz ensembles, and solo contest. NOTE: Students with no previous experience are also allowed to sign up for Cadet Band and will be taught as beginners.

**CONCERT BAND\*****#14214 1 Credit**

This is Marian's intermediate performance level band open to sophomores, juniors, and seniors. Students already experienced on band instruments are trained to a higher level of proficiency than the Cadet Band. The Concert Band performs in three major concerts per year, one concert contest, and members are also part of the Marching, Pep, and Jazz Bands.

**SYMPHONIC BAND\*****#14414 1 Credit**

This band is for the most experienced players at Marian. The members of the Symphonic Band also participate in the Marching, Pep, and Jazz Bands. Numerous performances are conducted by these groups including home concerts, marching, concert, jazz competitions, and local non-competitive performances. Membership is limited by audition and instrumentation demands.

*\*A number of school-owned instruments are available for rental for a nominal fee. The rental fee is used for maintenance of the school owned instruments. Members of all bands have the opportunity to participate in All-District and All-State Bands, State Solo Contest, and Collegiate Band Festivals as well as Marching, Concert and Jazz Bands.*

**JAZZ BAND****#14514 .5 Credit**

Jazz music is the only “truly” American music that exists. Its nature allows for a greater variety of music and styles for the performers. It also provides more opportunities for the truest nature of music - performance. Current participation in an instrumental ensemble at Marian is required for this class, but can be waived at the discretion of the instructor especially for instruments not normally present in concert band programs (e.g., string bass, electric bass, electric guitar, piano, etc.). Jazz Band will serve as a seventh class for students. Those students currently with seven academic classes may still audit Jazz Band if willing to accept the time commitment. This class is open to freshmen, sophomores, juniors, and seniors. The class will meet in second semester, outside of the regular school hours, one evening and two afternoons per week.

**MUSIC THEORY****#14614 .5 Credit**

Music Theory is the language of music. It is the vocabulary and the syntax used by musicians to organize sounds. The study of theory and its context within history and culture is a powerful way to bring music to life. Students will engage in musical analysis, stylistic consideration including cultural and historical overviews, and compositional technique. Membership in a current musical ensemble is required but can be waived at the instructor's discretion. Music Theory will serve as a seventh class for students and students must have a minimum 2.5 GPA. Those students currently with seven academic classes may still audit Music Theory if willing to accept the time commitment. This class is open to juniors and seniors. This class will meet in second semester, outside of regular school hours, one afternoon and two evenings per week.

**HONORS MUSIC - PRINCIPLES OF PERFORMANCE & STRUCTURE****#14915 1 Credit**

(Honors level Band) Open to junior and senior band students by permission of band director. This course is designed to extend the band experience into the areas of music history and theory. While performing in either the Symphonic or the Concert Bands, students extend their own performance skills through lessons, and ensemble performance, and through teaching younger students. Also, students participate in an independent computer/library based study of music history and theory.

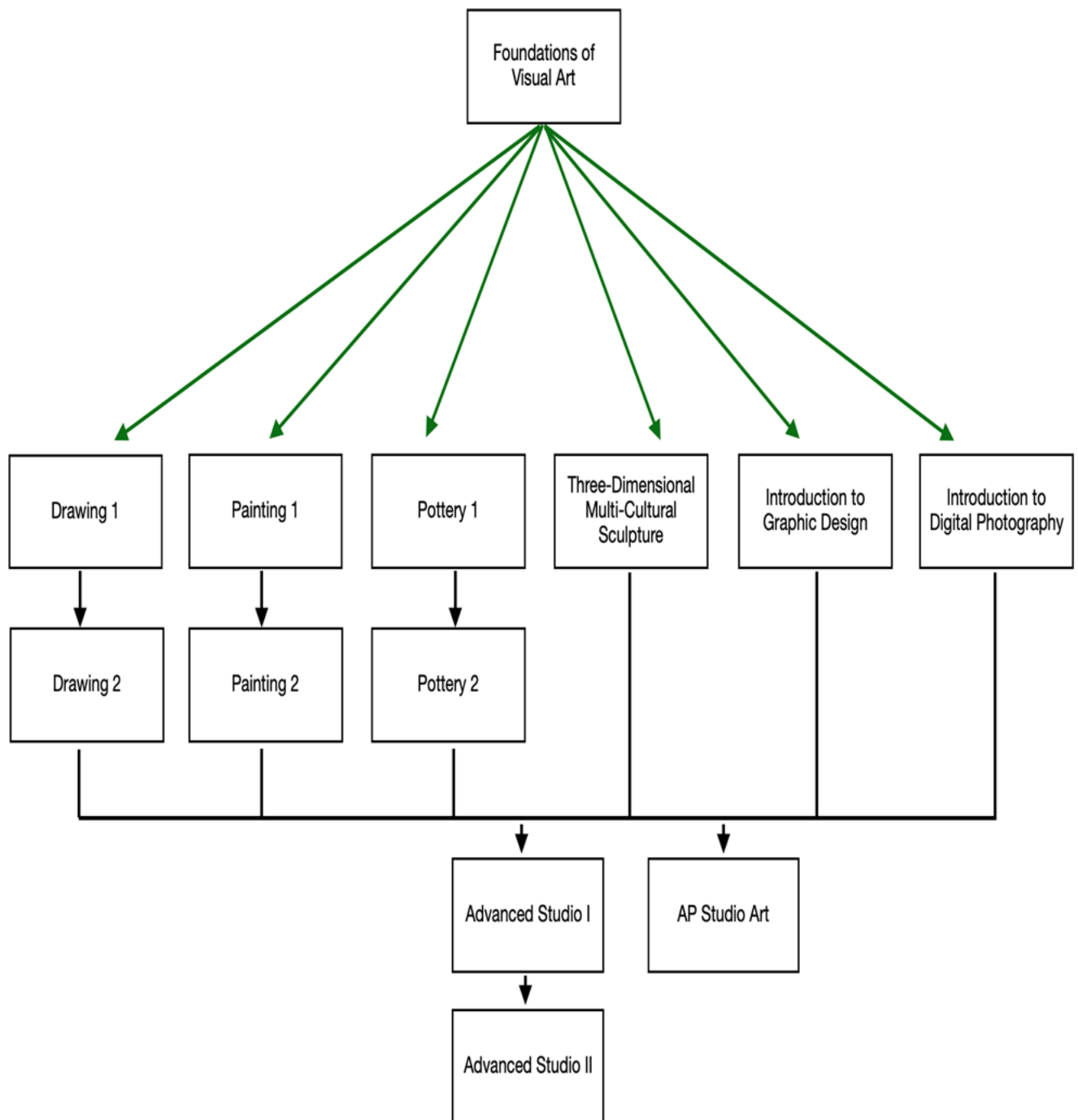
**COLOR GUARD/FLAG****#14924 .5 Credit**

Accompanies the Marching Band with precision routines and dance. Extended summer and after school practice required. Audition required for placement.

**WINTER GUARD****#14934 .5 Credit**

Winter Guard is the indoor version of the fall Color Guard. This group will explore, to a greater degree, the influence of dance and choreography. This group will also choreograph their own pieces and perform at least one movement. Participation in fall Color Guard will be a requirement for this class but can be waived with the instructor's permission. This class is open to freshmen, sophomores, juniors, and seniors. This class will meet during second semester, outside of regular school hours, two evenings per week.

## VISUAL ARTS COURSE SEQUENCE



## **PHYSICAL EDUCATION COURSES**

One and one-fourth credits in Physical Education and one-fourth credit in Health are required (c.f. physical education policy). Students unable to participate for more than one half of the quarter (4-1/2 weeks) will be asked to withdraw from the class with no credit. Students' grades are included in the GPA. Grades are computed on skill tests, written tests, being dressed daily in proper uniform for class, cooperation and sportsmanship displayed in the class environment. Physically injured students must be able to participate in at least half of the daily classes to receive credit for nine weeks. Written work may be required for students excused from class with a doctor's note.

### **INTRODUCTION TO PHYSICAL EDUCATION**

**#15124 .5 Credit**

This is a freshmen course with emphasis on an introduction into physical education. Students will be involved in a variety of team and individual activities that stress teamwork, sportsmanship, a basic knowledge of the rules, and getting to know their new classmates. Fundamental instruction will be given in softball, volleyball, ultimate Frisbee, badminton, team building, and juggling. A fitness component may also be included.

### **HEALTH & DRIVER'S EDUCATION**

**#15234 .5 Credit**

This sophomore course, which includes health instruction and Driver's Education classroom components, will fulfill their state health requirement. Students will study the effects of alcohol and drug abuse, along with the importance of nutrition and aerobic activity necessary to live a healthy lifestyle. In meeting the Driver's Education component, students will study the Rules of the Road in preparation for an Illinois driver's license.

### **HEALTH & PHYSICAL FITNESS**

**#15244 .5 Credit**

This sophomore course, which includes health instruction and a Physical Fitness component, will fulfill their state health requirements. Students will study the effects of alcohol and drug abuse, along with the importance of nutrition and aerobic activity necessary to live a healthy lifestyle.

### **STRENGTH & CONDITIONING**

**#15314 .5 Credit**

This one-semester course is an introduction to weight training and fitness. Students will be instructed in the use of free weights, weight machines, and rubber band resistance. Cardiovascular training will be experienced through plyometrics, jump ropes, exercise machines, and running. Students may use electronic devices to assist in cardiovascular training.

### **TEAM AND INDIVIDUAL SPORTS**

**#15324 .5 Credit**

This one semester course is offered to students who desire to participate in team and individual sports at an advanced competitive level. Students will utilize skills, strategies and application of the rules that lend to a competitive experience. Activities include, but are not limited to football, soccer, basketball, volleyball, softball, tennis, golf, and track and field.



**ADVANCED STRENGTH AND CONDITIONING****#15444 .5 Credit**

This one-semester course is designed to enhance the physical development of the student-athlete with an emphasis on strength, speed, agility, and flexibility. Specific weight room and conditioning programs are designed to meet the needs of a student and his/her particular sport or activity. Students will also be instructed on the role of nutrition in performance, the use of performance enhancing substances and the functioning of the muscular system as it relates to exercise and body composition. This course requires an extended time commitment. Students will be assigned during 5<sup>th</sup> period. ***Prerequisite:*** Admittance to this class is restricted to departmental approval.

**SPORTS AND SOCIETY THROUGH LITERATURE****#08344 .5 Credit**

This elective course for juniors and seniors will examine the relationship between sports and society. Our nation, in many ways, is defined by our thirst for competition, of striving to be the best. The struggles and conflicts faced in our lives are often reflected and reinforced in the “arena.” Concurrent themes such as equity, gender, racism, perseverance, and integrity are just a few topics that are well documented and depicted through the various mediums. This relationship will be examined through historical fiction, nonfiction, newspapers, periodicals, and the visual arts. Students will examine how the issues of the day are often mirrored, magnified, and reinforced through sports.

**OUTDOOR ADVENTURE****#15634 .5 Credit**

The course will incorporate the elements of physical fitness, team building, and survival skills in an effort to enhance an appreciation of the outdoors. The skills learned will be put into practice during an extensive group activity that will test the students to adapt to every changing conditions and challenges. The essentials of teamwork and goal setting will be imperative to a positive learning experience. The culminating activity will be a five or six-day trip. All classroom time will be focused on preparation for successful completion of this activity. The course is open to sophomores, juniors, and seniors. This class will meet during the summer.

## **BUSINESS COURSES**

One-half credit in Computer Concepts is required of all students. Those considering careers in business are encouraged to select the following courses:

### **COMPUTER CONCEPTS**

**#16124 .5 Credit**

This is a required one-semester course for graduation and is designed for college-bound students. The course reflects current business practices and will also introduce computer design principles and an introduction to coding. **This course must be completed by the end of sophomore year.** Students will spend time on keyboarding with the goal to be able to touch-type alphabetic, numeric, and symbol information found on keyboards. Students will also be introduced to Microsoft Word and Google Docs, with an emphasis on reports, letters, and tables for personal, educational, and business use. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications. Excel, Google Sheets, slide presentations using design principles, and coding will be introduced. Typing Master Pro, a typing program, will also be used. Student who pass the proficiency test will earn the 0.5 credit.

**BUSINESS ELECTIVES:** These business electives may not be taken for the purpose of waiving Physical Education.

### **PERSONAL FINANCE AND BUSINESS CONCEPTS**

**#16214 .5 Credit**

This course emphasizes the role of the consumer in our society and develops practical decision-making skills. Personal Finance topics covered include banking, credit, investing, insurance, and preparing tax forms. Business Concepts topics covered include resume writing and the interview process, as well as performing market and SWOT analyses.

### **ACCOUNTING**

**#16334 .5 Credit**

This course introduces students to the accounting cycle for a small business organized as a proprietorship and a merchandising business organized as a partnership using standard accounting terminology and procedures.

### **INTERMEDIATE ACCOUNTING**

**#16344 .5 Credit**

Intermediate accounting is a continuation and extension of Accounting. Students develop a deeper knowledge of the accounting cycle for a merchandising business organized as a partnership. The accounting cycle for the corporation is also introduced. This course may be used as a basis for college accounting. **Prerequisite:** C in Accounting.

### **BUSINESS LAW**

**#16424 .5 Credit**

This course introduces students to the legal environment in which they live. Students examine the sources of law, its processes and procedures, and its role in our society. Business law serves as an introduction to legal relationships, contracts, and the employment rights of consumers and business firms while emphasizing the development of wholesome attitudes toward the law and legal counsel.

## **COMPUTER SCIENCE COURSES**

The technology department provides a variety of technology education opportunities for students. Programming courses ranging from introductory level to Advanced Placement are aimed at students interested in the fields of math, science, engineering, and video production. All Computer Science courses must have the approval of course instructor or department chairperson.

### **INTRODUCTION TO TELEVISION & VIDEO PRODUCTION** #17211 .5 Credit

This course will primarily explore creating and editing videos using Adobe Creative Cloud suite. Students will learn proper video techniques, audio, manipulation lighting, and editing. Topics will also include video design, graphic designs, storyboarding, and presentation skills. Junior and senior level, or sophomore with consent of instructor.

### **TELEVISION & VIDEO PRODUCTION II** #17221 .5 Credit

This course reviews Introduction to Television & Video Production concepts and continues to explore the components of creating and editing video presentations using the Adobe Creative Cloud suite. Students will refine their script writing and camera techniques, audio manipulation, lighting, sound, and editing. Independent studio time will be used for assignments and school related presentations. **Prerequisite:** Introduction to Television & Video Production or Introduction to Digital Photography required.

### **INTRODUCTION TO WEB DESIGN** #17311 .5 Credit

This course is an introduction to designing, creating, and maintaining web pages and websites. Students will access, evaluate, and analyze web sites to grasp the elements of successful web page design. HTML/CSS codes is used, as is Adobe Dreamweaver, to create and produce web pages that demonstrate good elements of design, and build professional-looking web sites. Students will have opportunities for creative self-expression within the confines of effective design principles and ethical limitations.

**Prerequisite:** Computer Concepts and Information Processing.

### **INTRODUCTION TO APP DEVELOPMENT** #17434 .5 Credit

This course is an introduction to mobile app development using JavaScript & React. Students will learn the basics of the JavaScript programming languages such as variables, types, control structures, and basic interfaces. Students will design and build applications to run on their own smartphones and will use the latest tools and technologies available for mobile app development.

### **ADVANCED PLACEMENT COMPUTER SCIENCE A** #17426 1 Credit

Computer Science Advanced Placement is an object-oriented programming methodology with an emphasis on problem solving and algorithm development. It includes the study of data structures, abstraction, object-oriented program design, program analysis, algorithms, and computing in context. Outside lab work is required.

**Prerequisites:** B or above in Introduction to App Development. Consent of instructor is required. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

**ADVANCED PLACEMENT COMPUTER SCIENCE  
PRINCIPLES**

**#17446 1 Credit**

Computer Science Principles Advanced Placement introduces students to the essential ideas of Computer Science and helps them to understand how computing and technology can influence the world around them. As part of this course, students will be exposed to a broad range of computing tools and skills while creatively addressing real-world issues and concerns. Students are required to take the AP exam in May, for which there is a fee set annually by the College Board.

## **ADDITIONAL ELECTIVES**

### **DRIVER'S EDUCATION**

Sophomores have the opportunity to enroll in Health & Driver's Education, which includes the classroom portion of Illinois Driver's Education. For students who do not take Health & Driver's Education, Driver's Education courses will be offered after school and on Saturdays.

## **EMMAUS**

**EVERY MARIAN MOMENT AFFIRMS UNITES and STRENGTHENS**

As Jesus walked with his disciples and guided them even after his death, so too, will Marian faculty and staff guide each and every student during their education at Marian. Emmaus will be small groups of approximately 20 students which will meet every day for twenty minutes. Students and guides will engage in discussions involving goal setting, academic success, stress management, relationships and choices, Christian responsibility, leadership, cultural diversity and non-violent solutions to problems. The calendar drive, student council activities and elections, Christmas Food Drive, and daily announcements are also a part of the Emmaus program. Two days a week are spent following the formal curriculum of the Marian Catholic Leadership Program.

# COUNSELING DEPARTMENT STAFF

**DIRECTOR, STUDENT & SUPPORT SERVICES**   **DIRECTOR, COLLEGE COUNSELING**  
(Special needs students, counseling)

Ms. Mary Ann West                      Ext. 4649  
[mwest@marianchs.com](mailto:mwest@marianchs.com)

Mr. Gerry O'Brien                      Ext. 1445  
[gobrien@marianchs.com](mailto:gobrien@marianchs.com)

## **Academic Counselors (Freshman, Sophomore, Junior)**

Students Last Name A – K:

Ms. Jessica Rzab                      Ext. 4635  
[jrzab@marianchs.com](mailto:jrzab@marianchs.com)

Students Last Name L – Z:

Mr. Michael Sieja                      Ext. 4633  
[msieja@marianchs.com](mailto:msieja@marianchs.com)

## **School Social Worker**

Mrs. Faye Johnson                      Ext. 2457  
[fjohnson@marianchs.com](mailto:fjohnson@marianchs.com)

## **College Counselors**

Students Last Name A – Me:

Mr. Mike Rodewald                      Ext. 4639  
[mrodewald@marianchs.com](mailto:mrodewald@marianchs.com)

Students Last Name Mi - Z

Mr. Gerry O'Brien                      Ext. 1445  
[gobrien@marianchs.com](mailto:gobrien@marianchs.com)

Students are assigned to Counselors in the fall. To speak with your student's counselor, please contact them at their extension listed above.

# Program Planning Guide

23 Credits Required for Graduation

Basic Requirements	Grade 9	Grade 10	Grade 11	Grade 12
Theology (4 credits)	Theology 1	Theology 2	Theology 3	Theology 4
English (4 credits)	English 1	English 2	English 3	English 4
Mathematics (3 credits)				
Science (3 credits) Biology required	Biology			
Social Studies (3 credits) U.S. History required		World History	U.S. History	
World Language (2 credits of same language)				
Fine Arts (.5 credit)				
Computer Concepts & Information Processing (.5 credit)				
PE/Health (1.5 credits)				
Electives				
	To Total 6	To Total 6 or 7	To Total 6 or 7	To Total 6 or 7
Summer School				

# NOTES