



St. Mary Catholic Schools  
Grades Pre-K3 -12

# St. Mary Catholic High School Course Selection Guide 2025-2026



1050 Zephyr Drive • Phone: (920) 722-7796 • Fax: (920) 722-5940

School Counselor: Julie Castagna (ext. 156)

[www.sm Catholicschools.org](http://www.sm Catholicschools.org)

*“Be it known to all who enter that Christ is the reason for this School”*



# St. Mary Catholic Schools

*Grades Pre-K3 -12*

## INTRODUCTION

We are proud to offer this St. Mary Catholic High School Course Selection Guide for the 2025–2026 school year. Please review the entire document carefully. You will notice that it contains general academic information as well as our current course descriptions.

As always, we are available to answer your questions and to assist you in planning. The high quality of education we strive to offer at St. Mary Catholic High School is dependent on thorough inquiry, ongoing communication and wise judgments by everyone committed to our students' success. Thank you for entrusting your children to us for their high school educational needs. We take our responsibility very seriously to facilitate their learning and growth.

## MISSION STATEMENT

Preparing and inspiring students to lead meaningful lives, rooted in the teachings of Christ in our Catholic tradition.

## VISION STATEMENT

To be celebrated as the school system where students discover and develop their God-given talents and experience success through learning, faith and service.

## COMMITMENT TO FAITH

Faith and worship opportunities are vital to the mission of St. Mary Catholic High School. To foster this goal, we celebrate all-school liturgies, chapel visits, prayer services, Eucharistic Adoration, Reconciliation Services and daily prayer.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## TABLE OF CONTENTS

SMCHS Graduation Requirements .....	4
Report Cards & Grading Structure .....	4
Academic Awards .....	5
Honor Roll .....	5
Laude Recognition .....	5
SMCHS Service Hour Requirements .....	5
Elective Credits .....	6
Special Courses and Offerings	
AP Courses.....	6
Online Learning Courses .....	6
UWO CAPP Courses .....	6
Distance Learning Courses.....	7
Independent Study Courses.....	7
Wisconsin Youth Apprenticeship Program.....	7
Wisconsin Certificate of Global Competence (CGC) .....	7
Fees for the 2025-26 School Year .....	7
Learning Specialist .....	8
Counseling Department .....	8
Planning for College .....	8
Drop/Add a Course .....	8

## COURSE DESCRIPTIONS

Business & Information Technology .....	9
English .....	11
Fine Arts – Music & Drama .....	13
Fine Arts – Visual Art .....	15
Mathematics .....	18
Physical Education .....	21
Science .....	22
Social Studies .....	25
Theological Studies .....	28
World Languages .....	30
Online Learning & Distance Learning.....	35
Four-Year Planner.....	50
Course Offerings Index .....	51-53



# St. Mary Catholic Schools

Grades Pre-K3 - 12

## SMCHS GRADUATION REQUIREMENTS

A St. Mary Catholic High School student will be awarded a diploma when 27 credits have been earned. Of these 27 credits, 20.0 are required courses and 7 are electives. The required credits are:

### AREA CREDIT

- Business & Information Technology 0.5
- English 4.0
- Fine Arts 0.5
- Health 0.5
- Mathematics 3.0\*
- Physical Education 1.5
- Science 3.0\*
- Social Studies 3.0\*
- Theological Studies 4.0

**Total Required Course Credits 20.0**

**Elective Course Credits +7.0\*\***

**Total Graduation Credits 27.0**

\* 4.0 recommended for college

\*\*2.0 or more of a World Language recommended for college

## REPORT CARDS & GRADING STRUCTURE

Report cards are distributed at the end of each quarter. Only semester grades are recorded on the permanent record. Beginning with the 2024-25 school year, students enrolled in SMCHS AP classes and CAPP classes will be on the weighted scale. All other SMCHS classes and AP virtual/online/distance learning classes will be on the traditional scale.

Grade	Credit	Percentage	Grade Point	Weighted
A+	.5	98-100	4.00	4.50
A	.5	94-97	4.00	4.50
A-	.5	91-93	3.67	4.17
B+	.5	88-90	3.33	3.83
B	.5	84-87	3.00	3.50
B-	.5	81-83	2.67	3.17
C+	.5	78-80	2.33	2.83
C	.5	74-77	2.00	2.50
C-	.5	71-73	1.67	2.17
D+	.5	69-70	1.33	1.83
D	.5	67-68	1.00	1.50
D-	.5	65-66	0.67	1.17
F	.0	Below 65	0.00	0.00

F Failed class: no credit given, grade point value given/P Passed class: credit given, no grade point value given/ R Retaking class: no credit or grade point value given, value not calculated for valedictorian/salutatorian/WF Withdrew with failing grade: no credit or grade point value given/ WP Withdrew with passing grade: no credit or grade point value given



# St. Mary Catholic Schools

Grades Pre-K3 -12

## ACADEMIC AWARDS

The SMCHS academic letter is designated to support the recognition of student academic achievement. The criteria for awarding the academic letter are as follows:

- three semesters of 3.75 GPA or above
- four semesters of 3.50 GPA or above
- six semesters of 3.00 GPA or above

After receiving an academic letter, a student will receive an academic pin if he or she maintains a cumulative GPA of 3.5 or above for five consecutive semesters.

After receiving an academic letter AND an academic pin, a student will receive an academic medal if he or she maintains a cumulative GPA of 3.50 or above for seven consecutive semesters. Awards are received at the academic awards ceremony in the spring.

## HONOR ROLL

GPA needed for honor roll listings are as follows:

- Highest Honors 4.00
- Higher Honors 3.75-3.99
- High Honors 3.50-3.74
- Honors 3.00-3.49

## LAUDE RECOGNITION

SMCHS honors graduating seniors with diploma recognition based upon a laude system. Students graduating with the following cumulative GPA for the first seven semesters of their high school career (including transfer credits) receive this honor:

- Summa Cum Laude 3.9 – 4.0
- Magna Cum Laude 3.75 - 3.89
- Cum Laude 3.5 – 3.74

## SMCHS SERVICE HOUR REQUIREMENTS

Through service learning, students practice what they have learned in the classroom by affecting change in the community. Service learning as part of the curriculum provides young people with real life experiences, the impact of which lasts a lifetime. It is a graduation requirement for all SMCHS students to perform a total of 60 hours of service, with a minimum of 15 hours per year. Service hours are suggested in four areas as follows:

- Hospital/Elderly
- Community
- Parish
- Others as approved

All service reflections and documentation are tracked electronically through X2VOL.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## ELECTIVE CREDITS

Elective courses have been carefully evaluated and selected to provide students with the opportunity to prepare for further education and to explore various fields or occupations. A well-rounded background of general education is paramount to future success in any career. Students should explore as many areas as possible.

Students will secure the most value from their high school education if they plan tentative four-year programs of electives based upon their future occupational and educational needs and interests. The four-year worksheet is a valuable planning tool to ensure good selection and placement of courses in every student's high school career. To meet the required credits for graduation, students may choose elective courses each year as he/she desires, subject to the following considerations:

1. Certain courses require prerequisites before they may be taken (e.g., German I must precede German II; Algebra I must precede Geometry). Exceptions may be made with the consent of the teacher, counselor, and / or principal.
2. Students should plan to take requisite courses in the required grade unless they are advised to do otherwise by the teacher, counselor and/or principal.
3. Students selecting a World Language should plan to take a minimum of two years of the same language.
4. General Electives in a given subject area do not fulfill graduation requirements toward the given subject but rather count towards the 7 total elective credits required to graduate.

## SPECIAL COURSES AND OFFERINGS

(Special considerations and / or fees are printed in *italics*)

### AP Courses

Advanced Placement (AP) courses offer students the option to participate in an AP evaluation exam at the end of the course that could earn college credit. *The fee for an AP exam is the responsibility of the student/parent.*

### Online Learning Courses

Online Learning Courses allow junior and senior students to take additional courses independently. See the Course Descriptions section for complete details including AP and dual credit. Juniors must take 7 classes in their course load, and one of these classes may be an online class. Seniors must take 6 classes in their course load, and one of these classes may be an online class. Juniors and seniors taking online courses will be assigned to a structured study hall to work on the online class during the assigned study hall. Students who want to take more than one online class must have prior approval from administration. *Fees for Online Learning Courses are the responsibility of the student/parent and will be billed to tuition accounts.*

### UWO CAPP Courses

The University of Wisconsin Oshkosh Cooperative Academic Partnership Program offers university level courses that award dual credit for college and high school (0.5 to 1.0 SMCHS credit; 1.0 to 5.0 UW Oshkosh). UWO CAPP courses are taught by SMCHS faculty in cooperation with the University of Wisconsin Oshkosh. Other colleges will accept UWO CAPP credits, but it is strongly advised that the student contact the post-secondary institutions of choice to guarantee acceptance of credits. These classes are often used as a prerequisite for many courses in the UW System. *Fees for UWO CAPP courses are the responsibility of the student/parent and will be billed to tuition accounts.*



# St. Mary Catholic Schools

Grades Pre-K3 -12

## Distance Learning Courses

Distance Learning courses originate from participating technical colleges and grant both college and high school credit. Courses are offered at specific times with live instructors. *Fees for Distance Learning Courses are the responsibility of the student/parent and will be billed to tuition accounts.*

## Independent Study Courses (Pre Approval Required)

In accordance with the desire to meet the educational needs of all SMCHS students, we offer opportunities in the form of extended off-site and/or independent, faculty-sponsored courses of study. These opportunities provide educational experiences not ordinarily offered in the traditional classroom setting. *Courses must be deemed to provide an appropriate academic challenge and be pre-approved by the administration and counseling staff. Additional fees may be required.* Forms to request an independent study course are obtained from the Counseling Office.

## Wisconsin Youth Apprenticeship Program

The Wisconsin Youth Apprenticeship (YA) program integrates school-based and work-based learning. Participants will continue taking high school or technical college courses while working as an apprentice at a participating local business. The program is open to students in their junior or senior year of high school. Information about the YA program is available through the Counseling Office.

## WISCONSIN CERTIFICATE OF GLOBAL COMPETENCE (CGC)

The Wisconsin Certificate of Global Competence (CGC) is offered to St. Mary Catholic High School students who have demonstrated a strong interest in global citizenship by successfully completing a global education curriculum and engaging in co-curricular activities and experiences that foster the development of global competencies. The CGC focuses and validates the excellent global educational learning opportunities already in place in our school system, encourages students to enroll in classes with global content in the arts, sciences and humanities, and prepares globally competent students who are career ready in Wisconsin and beyond. In order to earn the CGC, students submit a portfolio with evidence of:

- 4 high school credits of one world language
- 4 credits of coursework with a global focus (from approved list or approved by CGC committee)
- 4 co-curricular activities or cultural events with a global focus (with approval by CGC committee)
- 8 cultural literacy reflections (eight works of international /cultural media, incl. at least 4 books)
- 1 global service-learning project (minimum of 20 hours)

## FEES FOR THE 2025-26 SCHOOL YEAR

Fine Arts (Band, Choir, Art, and Drama) \$83.20 per some classes

Freshmen Fee \$26.00

Graduation (seniors) \$88.40

J Term \$78.00 plus trip costs if applicable Retreats \$31.20

Testing Grades 10 - 11 \$20.80

AP/Online Learning/UWO CAPP/DL classes See specific course descriptions



# St. Mary Catholic Schools

Grades Pre-K3 - 12

## LEARNING SPECIALIST

St. Mary Catholic High School has a full time Learning Specialist. The Learning Specialist's primary duty is to be a collaborator with the regular classroom teacher, the student, counseling office, school administration and parents to ensure each student with a learning support plan reaches his or her full academic potential. All students do not learn the same way. The SMCHS Learning Specialist works with the regular classroom teachers to incorporate differentiated instruction and accommodations to meet the needs of individual students. The Learning Specialist employs multiple strategies recommended by experts in the fields of inclusive education and multiple intelligences and assists students during regular classroom work time and in study halls, as well as during non-instructional time and before and after school.

## COUNSELING DEPARTMENT

The Counseling Department at St. Mary Catholic High School provides a variety of student services, including personal, career and academic counseling, and information regarding the ACT and SAT.

School records and transcripts are also the responsibility of the Counseling Department and are available upon request. College materials are available and students applying to college or for scholarships and financial aid should discuss their plans with the School Counselor, who will provide additional and necessary forms to be completed.

Counseling personnel welcome questions or concerns from parents, students and teachers. Individual parent/teacher conferences may be arranged by calling the Counseling Department. Students are encouraged to meet with their counselor as needed. Appointments should be made during students' study hall periods or lunch. They may also contact the counselor during class time in case of immediate need.

A particular focus of the Counseling Department is preparing students to make well-informed choices regarding their future after graduation. Options include two- and four-year universities, technical colleges, the work force and the military.

## PLANNING FOR COLLEGE

College admissions requirements may be different than high school graduation requirements. It is recommended that college-bound students spend time researching the requirements for their college(s) of interest so that high school courses are chosen with college requirements in mind. (For example, world languages, mathematics, fine arts, sciences, and courses specific to a major or program.)

## DROP/ADD A COURSE

Schedule changes should take place **prior** to the beginning of each semester. However, a student may drop and/or add a class within the **first five class days** of the class without recourse. Permission for dropping or adding must be obtained from the student's parent(s), teachers involved, the school counselor, and/or the principal before the change is finalized. If a student withdraws from a class **after the fifth class day**, the student's grade will be recorded at the time of the drop and the transcript will reflect WP if the student withdrew with a passing grade, or WF if the student withdrew with a failing grade. These guidelines are waived if the class withdrawal is teacher-initiated and approved by the principal.





# St. Mary Catholic Schools

Grades Pre-K3 - 12

## COURSE DESCRIPTIONS

### Business & Information Technology

#### **Computer Applications**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

Students will gain basic hands-on experience using the integrated programs of Google Suite, particularly Sheets and Docs. The programs provide the tools needed for easy and efficient word processing, presentation planning, spreadsheet creation and desktop publishing, as well as programs to help plan, organize ideas, and communicate with contacts. Students will gain familiarity with other useful tools, including Canva and SketchUp. It is recommended for students who plan to continue their education or pursue a business career.

#### **Introduction to Business**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

This course introduces students to the dynamic world of business by covering a variety of business topics. Students will learn about business organization, entrepreneurship, franchising, human resources, financial analysis, and marketing. In addition, students will also learn how to create a resume, cover letter and prepare for a job interview.

#### **Accounting**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Are you considering a degree in business or possibly owning your own business one day? If so, this course is HIGHLY recommended! Accounting has many benefits, regardless of your career choice. Whether you are interested in marketing, human resources, finance, information systems or any other business field, you will be required to take accounting in college. The study of accounting is interesting and fun, yet thought-provoking. You will use Excel to complete several assignments and apply your skills using an accounting simulation. Upon completion, students will know the fundamentals needed to succeed in future accounting courses at a four-year university or technical college.

#### **Introduction to Investing**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Students will gain a comprehensive understanding of the fundamentals of investing and develop the skills necessary to make informed investment decisions. Students will explore various investment options such as stocks, bonds, real estate, and alternative investments. The course will also cover important topics such as retirement planning, college savings plans, and tax implications of investments. Throughout the course, students apply their knowledge and develop practical investment skills by analyzing investment choices and participating in the Wharton Global Youth Program Investing Competition.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Introduction to Marketing**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Students learn about the functions of marketing including the following: distribution, financing, product/service planning, pricing, promotion, selling, and marketing information management. Students conduct marketing research projects, advertising campaigns and apply technology to the industry. Students will learn the basic elements of a comprehensive marketing plan and develop a strategic plan for a chosen product as part of the course. Course content reinforces communication and presentation skills, analytical thinking and leadership skills.

## **Personal Finance**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

The purpose of this course is to prepare the student to understand the importance of personal financial planning. Personal financial planning is a process of arranging to spend, save, and invest money to live comfortably, have financial security, and achieve goals. This course prepares students for their financial future by showing them how to handle their money effectively and responsibly. It teaches the importance of saving so they can live independently and prepare for a successful future. Topics that we will cover include budgeting, personal banking, credit, income taxes, investing, retirement, and insurance. *This course may be taken online during the summer for an additional fee.*

## **Personal Finance Seminar**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

A study of the major financial decisions and current events that influence these topics. A book study of *How to Adult: Personal Finance for the Real World* is a springboard to discussions and tasks on budgeting, credit, banking, investing, insurance, and large consumer purchases. Students will dig deeper into a topic of their choice through a capstone research project.

## **Business & Information Technology Electives**

### **Career Experience**

0.5 Elective Credit – 1 Semester, may be taken more than 1 Semester

Prerequisite – Counseling Department Approval

Grade – 12

Additional Requirements – Minimum of 20 high school credits, independent employment in related field. Class may be repeated for credit.

Career Experience provides students the opportunity to enhance in-school instruction consistent with the student's career interest. Through this course, students apply skills and knowledge to an actual job situation, expand upon skills learned in the classroom and develop the ability to get along with people on the job site.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## English

### Possible English Pathways at SMC

Pathway 1	Pathway 2
English 9	Honors English 9
Oral & Written Composition 10	Honors Oral & Written Composition 10
American Literature	AP Language
World Literature	AP Literature
Optional Electives - <i>may not replace American Literature or AP Language:</i> UWO CAPP 111 Intro to Public Speaking (Grades 11-12) – 1 Semester Creative Writing (Grades 11-12) – 1 Semester	

#### English 9

1.0 English Credit – Year Long (English 9 or Honors English 9 is required)

Prerequisite – None

Grade – 9

English 9 is designed to encompass multiple components of the Language Arts. Students will be exposed to novel reading, short stories, poetry, drama, vocabulary, grammar, film, and oral speaking. Reading and writing will be the primary focus for all students each and every class period. The overall goal for all freshmen students is to gain an appreciation for reading and to better their writing skills as the foundation for their high school education.

#### Honors English 9

1.0 English Credit – Year Long (English 9 or Honors English 9 is required)

Prerequisite – 8<sup>th</sup> Grade Teacher Recommendation

Grade – 9

This honors course is designed for those students who have shown academic excellence in middle school English. The course focuses on the functions of reading, writing, speaking and listening. This course also is designed to further develop competency in grammar, usage, sentence structure, paragraph writing and essay writing. Both the writing and reading in this class are more rigorous than the regular English 9 class.

#### Oral and Written Composition 10

1.0 English Credit – Year Long (Oral & Written or Honors Oral & Written is required)

Prerequisite – English 9 or Honors English 9

Grade – 10

In this course, students focus on the development of good public speaking skills. Students learn the many basic components of good public speaking including areas such as eye contact, enthusiasm, audience, volume, articulation, and listening. Students also focus on effective composition including expository writing, comparison/contrast, narrative writing, creative essays, and research development. This course stresses essay writing and a step-by-step approach to researching and organizing MLA documented papers. Reading, grammar, and vocabulary acquisition remain central parts to this course as well.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Honors Oral and Written Composition 10**

1.0 English Credit – Year Long (Oral & Written or Honors Oral & Written is required)

Prerequisite – Departmental Approval

### **Grade – 10**

This course is designed for those students who have shown exceptional ability in freshman English. This course focuses on the development of good public speaking skills and effective composition. Students accelerate at a quicker pace and are expected to think, speak, read, and write in a more critical/analytical manner. Reading, grammar, and vocabulary acquisition remain central parts to both semesters of this course. This course stresses essay writing and a step-by-step approach to researching and organizing MLA documented papers.

## **American Literature**

1.0 English Credit – Year Long (Required or may substitute AP Language & Composition)

Prerequisite – None

### **Grade – 11**

This course takes a chronological approach to the study of American literature and its authors in order to increase the student's appreciation and understanding of our American literary heritage. The course reinforces essay writing and researching and organizing MLA documented papers.

## **AP Language and Composition**

1.0 English Credit – Year Long (May be substituted for American Literature in Grade 11)

Prerequisite – Departmental Approval

### **Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* Students in this introductory college-level course read and analyze a broad and challenging range of nonfiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing, students develop their ability to work with language and text with a greater awareness of purpose and strategy while strengthening their own composing abilities. Course readings feature expository, analytical, personal and argumentative texts from a variety of authors and historical contexts. Students examine work with essays, letters, speeches, images and imaginative literature. Students prepare for the AP Exam in English Language and Composition and may be granted advance placement, college credit, or both as a result of satisfactory performance.

## **UWO CAPP 111 Introduction to Public Speaking**

0.5 SMCHS English Credit (3.0 UWO CAPP Credit) – 1 Semester

Prerequisite – 2.75 GPA or Instructor Written Recommendation

### **Grades – 11, 12 (May be taken in Grade 11 in addition to, not replacing, American Literature or AP**

**Language)** Cost: \$335 – Fees will be billed to tuition accounts. Fee reduction available to students who qualify for F/R. This course is designed to help the student gain better command of the rhetorical canons, including conceptual design; evidence and logical, emotional, and ethical argumentation; organization skills; clear, correct, and appropriate language; and vocal and visual presentation. Formats include narrative, informative, problem-solution, argumentative, and special occasion public speaking. Focus also is upon gaining better control of stage fright. A textbook purchase is required.



# St. Mary Catholic Schools

Grades Pre-K3 - 12

## **Creative Writing**

0.5 English Credit – 1 Semester

Prerequisite – None

**Grades – 11, 12 (May be taken in Grade 11 in addition to, not replacing, American Literature or AP Language)** This course is designed for students who enjoy writing in many different genres. Students have the opportunity to write different types of poetry, short stories, fiction and non-fiction, as well as create a high school memory book.

## **AP Literature and Composition**

1.0 English Credit – Year Long

Prerequisite – Departmental Approval

**Grades – 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* This course is designed to be a college/university-level course. Students will be provided with the intellectual challenges and workload consistent with undergraduate Literature and Humanities courses. Students in this course read and analyze a broad and challenging range of fiction and poetry selections, which include some philosophically adult material. As a culmination to the course, students may take the AP Exam in English Literature and Composition and may be granted advanced placement, college credit, or both as a result of satisfactory performance.

## **World Literature**

1.0 English Credit – 1 or 2 Semesters

Prerequisite – None

**Grade – 12**

This course uses the study of select English and World literature and their authors as a base to continue to enhance the student's vocabulary, writing skills, formally and creatively and critical thinking. The approach to this course is chronological and also includes historical events and philosophies on each literary age. In addition, this course reviews the MLA style of research and documentation.

## **Fine Arts – Music & Drama**

### **Acting I**

0.5 Fine Art Credit – 1 Semester

Prerequisite – None

**Grades – 9, 10, 11, 12**

In this course students will get an introduction to acting. Students may enter this course having some experience in acting or none at all. We will begin with the basics of acting, playing some acting/improv games and learning about theater etiquette. We will also read monologues and several scripts throughout this course. Assignments and assessments will be given throughout the semester to measure progress and understanding.

### **Acting II**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Acting I or Intro to Acting

**Grades – 9, 10, 11, 12**

In this course students will continue their learning from Acting I focusing on acting games/improv, theater etiquette, and learn some basic stage combat. Students will read, write, and perform their own monologues as well as doing some script reading throughout the semester. Assignments and assessments will be given throughout the semester to measure progress and understanding.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Acting III**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Acting II

**Grades – 10, 11, 12**

In this course students will practice the audition process, learn stage combat and how to make props. They will also learn more about theater history and how theater has evolved over the years. Near the end of the semester students will have a chance to showcase what they've learned in this course by doing a performance piece. Assignments and assessments will be given throughout the semester to measure progress and understanding.

## **Concert Band**

0.5 Fine Art Credit – 1 Semester, may be taken more than 1 Semester

Prerequisite – None

**Grades – 9, 10, 11, 12**

Additional Requirements: Fine Arts fee of \$83.20 per class

This class may be taken more than once for credit. Concert Band is a performance-based course that focuses on each student achieving a high level of musicianship both as an individual and a member of the ensemble. The Concert Band performs several times throughout the school year, including (but not limited to) Parades, Pep Band, SMCS Concerts, Pit Orchestra, as well as the WSMA Solo & Ensemble Festival. Each quarter, band students will receive at least four individual lessons with the instructor.

## **Dance I**

0.5 Fine Art Credit – 1 Semester

Prerequisite – None

**Grades – 9, 10, 11, 12**

Do you enjoy dancing but maybe have never taken a dance class or would like to dance during the school day? Then this class is for you! Students will be learning different styles of dance and exploring different genres throughout the semester. Students will learn the importance of movement and gain confidence through learning some fun dances!

## **Dance II**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Dance I

**Grades – 9, 10, 11, 12**

In this course, students will build on their knowledge from Dance 1 and work through a series of assignments and projects throughout the semester. Students will study different dance styles and genres while working on their own dance abilities. Students will also explore how lighting and space can enhance dance pieces and begin creating their own choreography.

## **St. Mary Singers**

0.5 Fine Art Credit – 1 Semester, may be taken more than 1 Semester

Prerequisite – None

**Grades – 9, 10, 11, 12**

Additional Requirements: Fine Arts fee of \$83.20 per class

This class may be taken more than once for credit. St. Mary Singers provides an opportunity to challenge students vocally with a variety of music from Classical, Jazz, Spiritual, and Pop genres. We will develop your singing & performing voice along with sight singing, rhythm practice, and audiation/tone recognition... all essential elements of a performance-based choir such as St. Mary Singers. The group also performs for SMCS and community functions. Solo and Ensemble is recommended, but not required, in the second semester. All choir performances in and out of school are required and graded, with other volunteer performance opportunities as well.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## Fine Arts – Visual Art

### **Introduction to Art**

0.5 Fine Art Credit – 1 Semester

Prerequisite - None

**Grades - 9, 10, 11, 12**

Additional Requirement: Fine Arts fee of \$83.20 per class

This course is a required introduction for all other studio art courses offered at SMCHS. The student will become familiar with the vocabulary of the artist and the elements and principles of design. Students will learn in multiple ways, including valuable hands-on experience that will reinforce concepts. Among the ideas explored will be how the artist, when faced with a design challenge, begins to formulate ideas. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. Activities include studio work and participation in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

### **Drawing and Painting I**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Introduction to Art

**Grades – 9 (second semester only), 10, 11, 12**

Additional Requirement: Fine Arts fee of \$83.20 per class.

This course consists of two-dimensional work in drawing with various materials, including graphite, charcoal, pastels, ink, and painting in either acrylic or watercolor. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. Activities include studio work and participation in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

### **Drawing and Painting II**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Drawing and Painting I

**Grades - 10, 11, 12**

Additional Requirement: Fine Arts fee of \$83.20 per class.

This course is a continuation of the two-dimensional art studio path. As the artist progresses, the drawing and painting challenges may be fewer but will be more complex. Students will begin to explore their own ideas from the basic knowledge accrued in Drawing and Painting I. Activities include studio work and participation in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

### **Drawing and Painting III**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Drawing and Painting II

**Grades – 10, 11, 12**

Additional Requirement: Fine Arts fee of \$83.20 per class.

This course is a continuation of the two-dimensional art studio path. The student will determine the curriculum, with the advice and approval of the art teacher. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. Activities include studio work and participation in annual art



# St. Mary Catholic Schools

Grades Pre-K3 -12

show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

## **Graphic Design**

0.5 Fine Art Credit – 1 Semester

Prerequisite – None

**Grades – 10, 11, 12 (Open to grade 10 with instructor approval)**

Additional Requirement: Fine Arts fee of \$83.20 per class

This course consists of work in drawing and design digitally. Students will experience real-life assignments, including cover design, t-shirt design, and poster design. Students will work predominantly with Apple iPads using the app ProCreate. The students will also have the opportunity to submit work to local businesses for potential use in advertisements/poster designs. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. Activities include studio work and participation in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

## **Photography**

0.5 Fine Art Credit – 1 Semester (May be taken up to 2 semesters)

Prerequisite – None

**Grades – 9, 10, 11, 12**

Additional Requirements: Fine Arts fee of \$83.20 per class for students who do not use their own camera; availability of a digital camera is encouraged, but not required. A DSLR is preferred; however, any good quality digital camera may be used. Optional Materials: Tripod and remote shutter.

Students will become familiar with the equipment and techniques of the photographer and will learn to think like an artist while using this 21<sup>st</sup> Century tool. Indoor and outdoor shooting is included. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. Activities include studio work and participation in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

## **Sculpture I**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Introduction to Art

**Grades – 10, 11, 12**

Additional Requirement: Fine Arts fee of \$83.20 per class.

This course consists of the planning and execution of three-dimensional work using various materials and may include clay, metals, wood, paper, cardboard, recycled materials, and fabric. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. Activities include studio work and participation in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

## **Sculpture II**

0.5 Fine Art Credit – 1 Semester

Prerequisite – Sculpture I

**Grades – 10, 11, 12**

Additional Requirement: Fine Arts fee of \$83.20 per class.

This course is a continuation of the three-dimensional art studio path. As the artist progresses, the sculpture





# St. Mary Catholic Schools

Grades Pre-K3 -12

challenges may be fewer but will be more complex. Students will begin to explore their own ideas from the basic knowledge accrued in Sculpture I. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. Activities include studio work and participation in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, Milwaukee Art Center, or Green Bay Botanical Gardens).

## **AP 2D Art & Design**

1.0 Fine Art Credit – Year Long

Prerequisite – Drawing & Painting III

**Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* In this course students will develop their 2-D skills through materials and processes such as graphic design, photography, collage, printmaking, fashion illustration, and others. Students are responsible for creating a list of ideas and guiding questions that will structure their development of understanding and skills, enabling them to connect what they learn with prior knowledge and experiences. Students will create artwork that reflects their own ideas and skills to showcase what they have learned.

## **AP Drawing**

1.0 Fine Art Credit – Year Long

Prerequisite – Drawing & Painting III

**Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* In this course students focus on the use of mark-making, line, surface, space, light and shade, and composition. Students can work with any materials, processes, and ideas. Drawing (analog and digital), painting, printmaking, and mixed media work are among the possibilities for submission. Students are responsible for creating a list of ideas and guiding questions that will structure their development of understanding and skills, enabling them to connect what they learn with prior knowledge and experiences. Students will create artwork that reflects their own ideas and skills to showcase what they have learned. Still images from student designed videos or film are accepted. Composite images may be submitted.



## Mathematics

### Possible Math Pathways at SMCHS

Pathway 1	Pathway 2	Pathway 3	Pathway 4
Pre-Algebra	Algebra I	Algebra I	Honors Geometry
Algebra I	Geometry	Honors Geometry	Honors Algebra II
Geometry	Algebra II	Honors Algebra II	Pre-Calculus
Algebra II	Algebra III & Trigonometry	Pre-Calculus	AP Calculus AB
			AP Calculus BC

#### Pre-Algebra

1.0 Math Credit – Year Long

Prerequisite – None

**Grade – 9, 10**

Pre-Algebra is a starting point for the student who needs some review before Algebra. The first semester reviews topics that they have already seen to help build a strong foundation. The second semester introduces topics that will be explored further in Algebra. Students will get individualized attention to zero-in on areas that they were lacking in their previous math class. It will allow the class to focus on certain topics to reinforce and apply concepts. With the help of this class, students will be more confident and successful when entering Algebra.

#### Algebra I

1.0 Math Credit – Year Long

Prerequisite – None

**Grades – 9, 10**

This class is intended for students with a good grasp of basic math skills. Algebraic topics are introduced and implemented with both routine and non-routine problems. Fundamental topics taught in this class include sign numbers, algebraic expressions and equations, exponents, radical expressions, factoring polynomials, systems of equations and graphing. Basic geometric topics are also introduced.

#### Honors Geometry

1.0 Math Credit – Year Long

Prerequisites – Placement test, Teacher Recommendation, Minimum of B in Algebra I

**Grades – 9, 10**

Additional Requirements: Compass and protractor

This is a full-year course designed for students who plan to take Honors Algebra II. It is an informal *guided-discovery approach* whereby the student works with geometric tools to discover geometric theorems by experimentation and observation. Fundamental topics include inductive and deductive reasoning, defining polygons,



# St. Mary Catholic Schools

Grades Pre-K3 -12

constructions, congruence, area, volume, trigonometry and geometric proofs.

## **Algebra II**

1.0 Math Credit – Year Long

Prerequisite – Geometry

**Grades – 10, 11, 12**

Additional Requirements: TI-84 calculator

This full year course includes topics from both Algebra 2 and Trigonometry. Fundamental topics taught in this class include linear equations and functions, quadratics, polynomials, rational and irrational expressions, logarithms, trigonometric functions, identities and equations involving trigonometric functions. The graphing calculator will be introduced and utilized throughout the year. This course will greatly enhance the student's understanding of Algebra.

## **Geometry**

1.0 Math Credit – Year Long

Prerequisite – Algebra 1

**Grades – 10, 11, 12**

This is a full-year course designed to be consistent with the current changes in the national mathematical curriculum. Students will work with geometric tools to discover geometric theorems. Fundamental topics include inductive and deductive reasoning, defining polygons, constructions, congruence, area, volume, trigonometry and geometric proofs.

## **Honors Algebra II**

1.0 Math Credit – Year Long

Prerequisite – Geometry grade of A or B with teacher recommendation

**Grades – 10, 11, 12**

Additional Requirements: TI-84 calculator

This course is the first advanced course for college bound students. This full year course will begin with a short review of linear equations and inequalities. The course will expand on many types of functions including quadratic and trigonometric functions. Also included will be probability and statistics and, if time, sequences and series. A graphing calculator will be introduced and utilized throughout the year.

## **Pre-Calculus**

1.0 Math Credit – Year Long

Prerequisite – Algebra II

**Grades – 11, 12**

Additional Requirements: TI-84 calculator

Some of the advanced topics in the first semester include analytic geometry, exponential and logarithmic functions and conic sections. There is an integrated emphasis on both routine and non-routine problem solving. Graphing calculators will be utilized extensively.

The second semester will emphasize the first part of Calculus: differentiation. The emphasis will be on developing the theory and techniques needed to formulate mathematical descriptions of phenomenon like projectile motion, energy and work and economic predictions. Those students who are interested in taking AP Calculus AB will be assigned a summer review packet, which will be due in the fall.



# St. Mary Catholic Schools

Grades Pre-K3 - 12

## **AP Calculus AB**

1.0 Math Credit – Year Long

Prerequisite – Pre-Calculus

**Grade – 11, 12**

Additional Requirements: TI-84 calculator; *The fee for an AP exam is the responsibility of the student/parent.*

Advanced Placement (AP) Calculus is for the most advanced students who have demonstrated a complete understanding of Pre-Calculus. The primary focus of AP Calculus AB is to prepare the students for the Advanced Placement Calculus test for college credit. Calculators will be used extensively to prepare for the calculator section of the AP exam.

## **AP Calculus BC**

1.0 Math Credit – Year Long

Prerequisite – AP Calculus AB

**Grade – 11, 12**

Additional Requirements: TI-84 calculator; *The fee for an AP exam is the responsibility of the student/parent.* This is a full year course in Calculus discovering functions of a single variable. It includes a more in depth look into the topics from Calculus AB as well as additional topics such as parametric, polar, and vector functions and their derivatives; Euler's method; L' Hospital's Rule; integration by parts and partial fractions; improper integrals; logistic differential equations; and polynomial approximations and series. At the conclusion of the course a student will be able to take the BC exam and gain college credit. This same test will also contain AB questions. If a student passes enough of the AB questions they can potentially gain college credit for this course as well. Technology will be used regularly by students to reinforce the relationships among the multiple representations of functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

## **Algebra III**

1.0 Math Credit – 1 Semester (only offered in the fall semester)

Prerequisite – Algebra II

**Grades – 12**

Additional Requirements: TI-84 calculator

It is geared towards Seniors who want a fourth year of math but do not plan to take Pre-Calculus during high school. Students would take this first semester and can take trigonometry second semester, if they choose. Some of the advanced topics are the study of functions: linear, quadratic, polynomial, rational, logarithmic, and exponential and piecewise – defined functions. Graphing calculators will be utilized extensively. This course should prepare the student for the rigor of college mathematics. Students who have successfully passed Pre-Calculus cannot take Algebra III for credit.

## **Trigonometry**

1.0 Math Credit – 1 Semester (only offered in the spring semester)

Prerequisite – Algebra II

**Grade – 12**

Additional Requirements: TI-84 calculator

Trigonometry will be offered after a year of Algebra II has been completed. This class will be a benefit for students not ready to go into Pre-Calculus, but who still want to maintain a math class. Many skills from Algebra II will be used in exploring the topics of: trigonometric functions, radian measure, circular equations and trigonometric identities.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## Physical Education

### Philosophy of Physical Education

St. Mary Catholic High School is recognized for its ability to thoroughly prepare young adults for a successful future. This standard of excellence is integrated into selecting and completing classes from the physical education department. Beyond the health class, the physical activity classes offered by the department include courses through which students learn how to achieve and maintain a health-enhancing level of physical activity that will improve their quality and quantity of life. Developmentally appropriate learning experiences taught by a qualified professional are key factors for providing students opportunities for enjoyment, challenge, self-expression and social interaction. National and Wisconsin State Physical Education Standards with corresponding benchmarks were used to create a physical education program with life-changing learning experiences.

### PE Sport Waiver

SMCHS students may earn 0.5 credit of Physical Education provided they meet the following criteria: 1. Participation in at least four seasons of a WIAA-sanctioned Varsity Sport, the SMC Dance Team, or SMC Powerlifting. The student must be a full participant and finish the season in each sport. 2. 0.5 credit will be given only for the student's 3<sup>rd</sup> semester of Physical Education. If they already have 1.5 credits of PE, they do not qualify for the Sport Waiver.

3. In lieu of the final 0.5 credit of Physical Education, the student must take 1 additional semester of English, Math, Social Studies or Science.
4. The grade given will be a "P" for Pass and will be added to the transcript the student's senior year.

### Health

0.5 Required Credit – 1 Semester

Prerequisite – None

#### Grades – Must be taken in grade 9 or 10

The focus of this class will be on the 7 areas of wellness. These areas include emotional, environmental, intellectual, occupational, physical, social and spiritual wellness. Students will also understand and demonstrate communication skills, resistance skills and stress management skills. They will learn how to access valid health information, products and services, analyze influences on health, and set goals for a successful future. *This course may be taken online during the summer for an additional fee.*

### Physical Fitness 9/10

0.5 Physical Education Credit – 1 Semester (may be taken more than 1 semester)

Prerequisite – None

#### Grades – Must be taken in grade 9 or 10

Students will learn how to achieve and maintain a health-enhancing level of physical activity that will promote their quality and quantity of life. Students will refine their motor skills and movement patterns needed to perform a variety of physical activities. After completion of this class, students will value physical activity for health, enjoyment, challenge, self-expression, and social interaction.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## Lifetime Sports & Activities

0.5 Physical Education Credit – 1 Semester (may be taken more than 1 semester)

Prerequisite – None

Grades – 11, 12

The focus of this class is staying active for a lifetime while participating in sports and fitness. Students will engage in a variety of activities appropriate to the season including disc golf, strength & conditioning, badminton, cross country skiing, basketball, volleyball, ultimate frisbee, pickleball, team handball, and softball. The strength and conditioning unit will cover muscular strength and muscular endurance development through the use of balanced programs and conditioning. Additional topics include benefits of resistance training, program design, types of programs, muscle anatomy, basic and intermediate lifts, spotting techniques, core strength, safety and injury prevention, and types of stretching.

## Science

### Possible Science Pathways at SMCHS

Pathway 1	Pathway 2
Science 9	Honors Biology
Biology	Chemistry
Year Long Science (required in grade 11 or 12)	Physics or AP Physics (required in grade 11 or 12)
Optional Science	Optional Science
<b>Additional/Optional Science Courses – See Descriptions for Prerequisites</b>	
Anatomy/Physiology	Physics*
AP Biology	PLTW – Intro to Engineering Design+
AP Chemistry	PLTW – Principles of Engineering Design
AP Physics*	PLTW – Aerospace Engineering+
Chemistry*	<b>*Chemistry &amp; Physics (or AP Physics) are not optional</b>
Earth & Environmental Science	<b>in Pathway 2</b> <b>+General Elective Credit</b>



# St. Mary Catholic Schools

Grades Pre-K3 -12

## Science 9

1.0 Science Credit – Year Long (Required in Pathway 1)

Prerequisite – None

### Grade – 9

This course is required for all freshmen unless recommended for Biology. This course provides an introduction to Chemistry, Physics, and Earth/Space science. Topics include matter, atomic structure, periodic table trends, chemical reactions, motion, forces, and looking at branches of Earth Science. This course incorporates the application of basic math skills.

## Honors Biology\*

1.0 Science Required Credit – Year Long (Required in Pathway 2)

Prerequisite – Honors Geometry (or taking concurrently)

### Grade – 9

This course will expose the student to the fundamentals of biology. It is a lab/lecture course, **which will help students prepare for advanced science classes**, including AP courses and Human Anatomy/Physiology. Emphasis will be placed on cell structure and function, heredity, genetics, evolution, and ecology.

## Biology\*

1.0 Science Required Credit – Year Long

Prerequisite – None

### Grade – 10

This course is for students who are not interested in advanced science classes and have completed Science 9. This class fulfills the state biology requirement for graduation. Emphasis will be placed on cell structure and function, heredity, genetics, evolution, and ecology.

\* *Biology is a graduation requirement.*

## Anatomy/Physiology

1.0 Science Credit – Year Long

Prerequisite – Chemistry (or taking concurrently)

### Grades – 10, 11, 12

This two-semester course is designed to provide students with a basic understanding of the structure and function of the human body. It is a challenging lecture lab course directed toward students who are considering careers in health, medicine, or biology. It may also be of interest to any science minded student.

## AP Biology

1.0 Science Credit – Year Long

Prerequisite – Biology and Chemistry (or taking Chemistry concurrently)

### Grades – 10, 11, 12

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* This course is equivalent to a two-semester college introductory biology course. The course is centered on four Big Ideas – evolution, energy and communication, genetics, and interaction of biological systems. Each Big Idea has essential knowledge and process skills that support it. The labs will consist of a mixture of teacher-directed and inquiry-based experiments. The course will require an extensive amount of reading outside of class.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Chemistry**

1.0 Science Credit – Year Long

Prerequisite – Geometry, Biology and Algebra II (or taking Algebra II concurrently)

**Grades – 10, 11, 12**

This course introduces the study of matter and energy as well as interaction between them. This course will cover topics from the evolution of modern atomic theory, including the Periodic Table, to quantitative portions of chemical reactions.

## **AP Chemistry**

1.0 Science Credit – Year Long

Prerequisite – Chemistry

**Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* This course is designed to cover one semester of introductory college chemistry. It is fast-paced with much time spent on course material and lab work. The course culminates with the AP exam in May, which will grant students college credit if they do well.

## **Physics**

1.0 Science Credit – Year Long (Physics or AP Physics is required in Pathway II)

Prerequisite – Algebra II and teacher recommendation if taking prior to Chemistry in Pathway 1

**Grades – 11, 12**

This course is recommended for anyone considering any science-related field in college or for anyone desiring to improve problem-solving skills. First semester will focus on classical mechanics such as motion, momentum and energy. The second semester will deal with waves, sound, optics and electricity if time. The curriculum is based on lab work that explores the nature of the world. Many of the labs incorporate the use of computers and sensors for collecting and analyzing data.

## **AP Physics 1**

1.0 Science Credit – Year Long (Physics or AP Physics is required in Pathway II)

Prerequisite – Algebra II and teacher recommendation if taking prior to Chemistry in Pathway 1

**Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent* AP Physics is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (kinematics, dynamics, rotational motion, work, energy and power), mechanical waves and sound, and simple electrical circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. As a preparatory class for careers in engineering, medical, and other science related fields, this course should be considered.

## **Earth and Environmental Science**

1.0 Credit – Year Long

Prerequisite: Biology

**Grades – 11, 12**

This course is dedicated to understanding the interactions between earth's natural systems and the demands placed on them by the human population. Course topics include an exploration of the natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living and geological systems; natural resources; biodiversity; and environmental stewardship. The course includes elements of life science, physical science, and social science and focuses on breadth and interrelatedness of relevant current events.





# St. Mary Catholic Schools

Grades Pre-K3 -12

## Science Electives

*General Electives in a given subject area do not fulfill graduation requirements toward the given subject but rather count towards the 7 total elective credits required to graduate. Principles of Engineering is an exception to this rule.*

### **PLTW- Introduction to Engineering Design (IED)**

1.0 Elective Credit – Year Long

Prerequisite- Must have taken, or be currently enrolled in, Algebra 1

**Grades: 9, 10, 11, 12**

Introduction to Engineering Design (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students are introduced to the engineering profession and a common approach to the solution of engineering problems; an engineering design process. Utilizing the activity-project-problem-based teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

### **PLTW – Principles of Engineering (POE)**

1.0 Science Credit – Year Long

Prerequisite- Must have taken, or be currently enrolled in, Geometry; Must have taken Intro to Engineering Design

**Grades: 10, 11, 12**

Principles of Engineering (POE) is a high school level foundation course in the PLTW Engineering program. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

### **PLTW – Aerospace Engineering (AE)**

1.0 Elective Credit – Year Long

Prerequisite- Must have taken Principals of Engineering

**Grades: 11, 12**

Aerospace Engineering (AE) – is a high school level course in the PLTW Engineering program. This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

## Social Studies

### **Global Studies**

1.0 Required Social Studies Credit – Year Long

Prerequisite – None

**Grade – 9**

Global studies will focus on the people of the various continents as well as the history and culture of these areas. This course will be multi-disciplinary in nature, combining a measure of historical, religious, geographic, political, economic, and cultural analysis of one or more countries in a particular region.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **AP Psychology**

1.0 Social Studies Credit – Year Long

Prerequisite – None

**Grades – 10, 11, 12 (Grade 10 requires Instructor Approval. Students who take AP Psychology may not take Psychology in a different year)**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* This College Board AP Psychology course is designed to provide students with a learning experience equivalent to that of an introductory college course in psychology. The course will introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals in context.

## **Human Geography**

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

**Grades – 10, 11, 12**

This class will introduce students to the systematic study of concepts that have shaped human understanding, use, and alteration of Earth's surface. Students will use spatial and landscape analysis to examine human social organization and its environmental consequences. Among the topics of study are population trends, health and disease, language, religion, agriculture, nationalism, and economic activity. This class will relate these subjects to the lives of a high school student to make the connection of how humans affect our world today.

## **Introduction to Law**

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

**Grades – 10, 11, 12**

This course is an introduction to the origins and foundations of law in the United States. Constitutional, Criminal, and Civil Law will be explored, along with the rights and duties of citizens within the context of each category. The class will also include discussion of and experience with courtroom procedure and litigation through mock trials.

## **Modern European History**

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

**Grades – 10, 11, 12**

This study of European history will examine the cultural, economic, and geopolitical developments that have shaped the world since the High Renaissance. Students will analyze the causes and effects of social, political and economic developments on the continent, ranging from the emergence of early nation states to the rise of supranational organizations in the age of globalism. This is a rigorous, semester-long course for students looking to take a deeper look at Europe and its role in the world.

## **Psychology**

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

**Grades – 10, 11, 12 (Grade 10 requires Instructor Approval. Students who take Psychology may not take AP Psychology in a different year)**

Psychology is the social science that studies the mind through the behavior of individuals. The purpose of this course is to give the student a basic understanding of his or her behavior and how that behavior relates to others.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **AP United States History**

1.0 Required Social Studies Credit – Year Long

Prerequisite – None

### **Grade – 11**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

## **United States History**

1.0 Required Social Studies Credit – Year Long

Prerequisite – None

### **Grade – 11**

This course is a comprehensive look at the political, economic and social factors that have shaped our country from pre-colonial times to the present. Emphasis is placed upon critical thinking, examining causal relationships between events and identifying significant themes in American History. Units include the Revolution, Sectionalism and Civil War and The Cold War Era.

## **Government**

0.5 Required Social Studies Credit – 1 Semester (0.5 Government or AP US Government & Politics is required)

Prerequisite – None

### **Grades – 11, 12**

This course explores the structure and procedure of government in the United States. Foundational principles of the political system will be examined, along with the roles of each of the coequal branches of US Government. Students will also learn about their roles as citizens and how they can participate in the politics that affect them.

## **Economics**

0.5 Social Studies Credit – 1 Semester

Prerequisite – Geometry

### **Grades – 11, 12**

This class seeks to provide students with a strong introductory background in economics at the micro and macro levels. First quarter topics focus on individual market structure and participants, looking at inputs, outputs, supply and demand. Second quarter is an examination of national economic metrics and behavior, including fiscal and monetary policies.

## **AP United States Government and Politics**

0.5 Social Studies Credit – 1 Semester (0.5 Government or AP US Government & Politics is required)

Prerequisite – U.S. History (may be concurrent)

### **Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* This rigorous course will provide students with informational background and analytical skills to understand, interpret and explain the function of United States government and the political events that surround it. Topics such as the Constitution, branches of government and influences on American politics will be studied to prepare for successfully taking the AP exam.



# St. Mary Catholic Schools

Grades Pre-K3 - 12

## Theological Studies

### **Theology IA**

0.5 Theology Credit – 1 Semester

Prerequisite – None

#### **Grade – 9 and new students only**

Forming an intimate relationship with Christ through prayer is central to growing as a Christian disciple. Theology IA introduces students to a variety of prayer experiences in the Judeo-Christian tradition as well as the specific spiritual charisms of St. Ignatius, St. Francis, St. Augustine, Thomas a' Kempis, Henri Nouwen, St. Faustina Kowalska, and more. Students will be introduced to the insights of Pope John Paul II on human sexuality. It is designed to aid students in discovering the beauty and purpose of human sexuality, why it is such a major part of our ability to love, and what the Church teaches about sexuality. This portion of the class begins with a focus on different kinds of friendship, learning how to be a virtuous friend, and how to choose virtuous friends. The class will build a safe environment and sense of community as students learn to grow in virtuous relationships.

### **Theology IB**

0.5 Theology Credit – 1 Semester

Prerequisite – None

#### **Grade – 9 and new students only**

Jesus Christ is the most popular and yet the most misunderstood person in our culture today. To understand properly who He is and His view of Scripture, we must look at what he says and thinks about Himself. In this course, we look at His purpose and mission as revealed to us by Him, how He views the Scriptures, and our role with Him as His followers. We will be following the Church's ancient tradition of reading and interpreting the Scriptures through the eyes of Jesus and the Church. One method we will master is Lectio Divina, where we to hear how God communicates with us now. We will also learn how to read the different books in the Bible properly so students can get a better grasp when reading them. There is no better way to get to know Jesus than by encountering him in class through the Church's number one book, the Bible.

### **Theology IIA**

0.5 Required Theology Credit – 1 Semester

Prerequisites – Theology IA and IB

#### **Grade – 10**

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the Sacraments, particularly through the Eucharist. Students will examine each of the Sacraments in detail to learn how they may encounter Christ throughout life. They will also learn the scriptural basis for each of the Sacraments.

### **Theology IIB**

0.5 Required Theology Credit – 1 Semester

Prerequisites – Theology IA and IB

#### **Grade – 10**

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



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Apologetics**

0.5 Credit – 1 Semester

Prerequisite – None

**Grades – 11, 12**

The goal of this course is to assist students in becoming better disciples by studying one of the most influential apologetic writers of our time, CS Lewis, as well as other literature and documents of our faith. We will read and discuss several of Lewis' books, Church documents, and encyclicals. We will be analyzing and applying theology and reasoning in order to help students "make a defense...for the hope that is in (them)" (1 Peter 3:15). Students will be able to summarize the main beliefs and strengths of Christianity.

## **Ecumenical and Interreligious Issues**

0.5 Credit – 1 Semester

Prerequisite – None

**Grades – 11, 12**

The Kingdom of God on earth, the Church, is a family...and a very large one at that. We are, from heaven's viewpoint, made to be a unified family through the redemption in Jesus. We have one Father, one Lord Jesus, one faith, one baptism, one Church, and one Holy Spirit. Yet, contrary to heaven's view, we on earth often live as a divided faith family. Catholics fight Catholics; battles between Catholics and Protestants; Evangelicals fighting Evangelicals; and there are fights between Christians and atheists, or Jews, or Muslims. Fighting defies the very truth that Jesus has redeemed the entire world. How can we live out this heavenly unity "on earth as it is in heaven"? In this course, we learn how to understand other religions through the eyes of the Church in dialogue with them. The dialogue principles offered in this course will also help us see the supreme value Christ places in others who disagree with our beliefs and discover the clues to a path of unity.

## **History of the Catholic Church I**

0.5 Theology Credit – 1 Semester

Prerequisite – None

**Grades – 11, 12**

The purpose of this course is to supply the students with a general knowledge of the Church's history. History of the Catholic Church I will cover the period from Jesus' death through the Renaissance. In this course, students will learn how the Church is led and governed by the successors of the Apostles.

## **History of the Catholic Church II**

0.5 Theology Credit – 1 Semester

Prerequisite – History of the Catholic Church I is highly recommended, but not required

**Grades – 11, 12**

The purpose of this course is to supply the students with a general knowledge of the Church's history. History of the Catholic Church II will cover The Reformation to the modern Church. Students will learn how the Church is led and governed by the successors of the Apostles.

## **Liturgy & Music**

0.5 Theology Credit – 1 Semester (may be taken up to 2 semesters)

Prerequisite – None

**Grades – 11, 12**

In this course, students will explore the components of the liturgy and learn that the Mass is the sacrament of the Eucharist. Throughout the class, students will study the scriptures of the current cycle, learn about the various seasons and feast days that fall within the liturgical calendar, consider music that would be appropriate choices for liturgies, plan the actual Masses to be celebrated throughout the school year, and develop and present lessons on the upcoming Sunday's scriptures.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Morality**

0.5 Credit – 1 Semester

Prerequisite – None

**Grade – 11, 12**

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plans for their lives. The course will enlighten students to the elements of moral decision-making. It gives an understanding of Church Law and the importance of personal values. Students will explore the *Catechism of the Catholic Church* and other major documents. Topics examined include suicide, abortion, respect for life, genetic engineering, cloning, and the consistent ethic of life.

## **Sacraments**

0.5 Credit – 1 Semester

Prerequisite – None

**Grades – 11, 12**

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

## **Theology Electives**

*General Electives in a given subject area do not fulfill graduation requirements toward the given subject but rather count towards the 7 total elective credits required to graduate.*

### **Christian Discipleship**

0.5 **Elective** Credit – 1 week during the summer at Catholic Heart Work Camp

Prerequisite – Students must notify their School Counselor if they plan to earn credit for participation.

**Grades – 9, 10, 11**

Credit will be offered to students who participate in a one-week Catholic Heart Work Camp during summer vacation and complete related coursework through the Theology Department. This opportunity is promoted through local parishes in the fall and students and parents are required to attend organizational meetings beginning in January. Families are responsible for all costs including travel, programming, food, tools, and supplies. The goal of service work is to teach students to interact with people who are different from themselves by working with, learning from, and serving them. These experiences cultivate a sense of stewardship and a realization that all people are deserving of care. Service work is a proper response to the Gospel and to the Catholic Social Teachings. It is a unique opportunity for students to share in the SMCHS mission of bringing about a more just and humane society.

## **World Languages**

### **German I**

1.0 Elective Credit – Year Long

Prerequisite – None

**Grades – 9, 10, 11, 12**

The first year of German introduces the students to the fundamental language structures and vocabulary. To begin developing the students' ability to communicate in German, the basic language skills (listening, reading, speaking and writing) are emphasized. The cultures, customs and geography of German-speaking countries are also explored. Topics include family, hobbies, school, food and clothing. Good pronunciation and communication skills are emphasized. The class is conducted primarily in basic conversational German.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **German II**

1.0 Elective Credit – Year Long

Prerequisite – German I, placement test score and/or teacher recommendation.

**Grades – 9, 10, 11, 12**

After a short review of vocabulary and grammar from German I, second-year students continue to expand their communication skills. The geography, customs and culture of German-speaking countries are further explored. Writing and speaking skills, along with fundamental sentence structures, are stressed, and students expand their reading and listening comprehension within various topics, including health, travel, city life, weather, and homelife. The class is conducted primarily in German.

## **German III**

1.0 Elective Credit – Year Long

Prerequisite – German II, placement test score and/or teacher recommendation.

**Grades – 10, 11, 12**

The third year of German consists of a review of previous knowledge as well as the introduction of more advanced grammar, conversational skills and vocabulary. Fairy tales, novels, short stories and various online resources are used to enhance the students' knowledge of new structures, vocabulary and culture. Writing and speaking skills are further expanded. The class is conducted primarily in German.

## **German IV**

1.0 Elective Credit – Year Long

Prerequisite – German III, placement test score and/or teacher recommendation.

**Grades – 11, 12**

The 4<sup>th</sup> year of German includes a short review of previous content. This curriculum emphasizes advanced sentence structure, complex verb tenses and expanded vocabulary. Novels, stories, films and many authentic materials in German are used to enhance the students' knowledge of culture, history and literature of German-speaking countries. Students prepare for college/university entrance exams. The class is conducted entirely in German.

## **UWO CAPP 204 German/German V Language & Culture**

1.0 SMCHS Elective Credit (5.0 UWO CAPP Credit) – Year Long

Prerequisite – German IV, placement test score, and 2.75 GPA or Instructor Written Recommendation

**Grade – 12**

Cost: \$550 - Fees will be billed to tuition accounts. Fee reduction available to students who qualify for F/R. The Level V curriculum includes a comprehensive review of grammar and additional preparation for the AP German Language exam (optional). Taught over two semesters at SMCHS through our affiliation with the UW-Oshkosh CAP Program, this one-semester college course (GER 204: German Language & Culture, 5 credits) will feature continued structural review with emphasis on reading and discussion of selected works of current interest. Using *Kaleidoskop* as the main text and in connection with other written, audio, and visual resources, students will learn and practice vocabulary and grammar actively and in conversation with partners, read literature in German, listen to at least one radio play and discuss current events in German after hearing news broadcasts from a variety of authentic sources. Students will work on comprehending language faster and understanding more, as well as analyzing authentic German texts that are not simplified for non-native speakers. Written chapter tests will include vocabulary, structures, and readings/media covered in class, as well as projects and essays. As a requirement of the course, students will write an essay near the end of the school year to be sent to UW-Oshkosh. The class is conducted entirely in German. Students can earn up to 9 additional retroactive college credits (depending on the university) by earning a grade of B or better.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Mandarin I**

1.0 Elective Credit – Year Long

**Grades – 9, 10, 11, 12**

Prerequisite – none.

Students will learn classroom expressions and objects, simple greetings and polite expressions, numbers, family terms, animals, countries and nationalities, self-description (age, grade level, physical description, etc.), sports and hobbies, and words about food. Interesting and thought-provoking discussions about Chinese culture and how it is reflected in the language will be part of the class.

## **Mandarin II**

1.0 Elective Credit – Year Long

Prerequisite – Mandarin I, placement test score and/or teacher recommendation.

**Grades – 9, 10, 11, 12**

Students will learn to understand sentences and frequently used expressions related to areas of most immediate relevance (e.g., very basic personal and family information, shopping, local geography, employment). Students will learn to communicate in simple and routine tasks requiring a simple and direct exchange of information on familiar and routine matters.

## **Mandarin III**

1.0 Elective Credit – Year Long

Prerequisite – Mandarin II, placement test score and/or teacher recommendation.

**Grades – 10, 11, 12**

Students will learn how to communicate in Chinese about locations and directions, hobbies and sports, weather and seasons, travel and transportation, health and medicine, renting an apartment, future, arts, and culture. Emphasis will be on leading them to use the language in a practical way. At the end of the year, they should be able to produce vocabulary, phrases, sentences, and brief conversations in Chinese that are comprehensible to native speakers.

## **Mandarin IV**

1.0 Elective Credit – Year Long

Prerequisite – Mandarin III, placement test score and/or teacher recommendation.

**Grades – 11, 12**

Students will learn to understand the main ideas of complex text on both concrete and abstract topics, including technical discussions in their field of specialization. Students learn to interact with a degree of fluency and spontaneity that makes regular interaction with native speakers quite possible without strain for either party. They will also produce clear, detailed text on a wide range of subjects and explain a viewpoint on a topical issue giving the advantages and disadvantages of various options.

## **Mandarin V/AP Chinese Language & Culture**

1.0 Elective Credit – Year Long

Prerequisite – Mandarin IV, placement test score and/or teacher recommendation.

**Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* The emphasis of this year's course will be on mastering all aspects of the language, through level-appropriate, contextualized learning. Students will develop strong language skills from quality, authentic, level-appropriate learning materials, including textbooks, newspapers, magazines, literary texts, internet resources, television shows, movies, music, etc. Students will learn the similarities and differences between Chinese and other cultures. Cultural activities are interwoven into lessons to provide students with opportunities to enhance language and culture experiences. The course will be





# St. Mary Catholic Schools

Grades Pre-K3 - 12

conducted almost exclusively in Chinese. Organizational and analytical strategies and skills will be incorporated into students' required work. In preparation for the AP Chinese Language and Culture exam in May, students will be engaged in performance-based activities within age- and level-appropriate authentic cultural context. The AP test is optional at this level.

## **Spanish I**

1.0 Elective Credit – Year Long

Prerequisite – None

**Grades – 9, 10, 11, 12**

Beginning level Spanish consists of how to converse one-on-one with someone as well as with a group of people in the target language. Students learn the basics on verb conjugation, grammar, vocabulary, pronunciation, reading, listening skills and sentence structuring. They are exposed to culture and/or social customs, history and geography from various Spanish-speaking countries.

## **Spanish II**

1.0 Elective Credit – Year Long

Prerequisite – Spanish I, placement test score and/or teacher recommendation.

**Grades – 9, 10, 11, 12**

Students are exposed to more intermediate grammar including a more in-depth study in the use of object and reflexive pronouns, commands and the past tenses. Upon completion of class, students should be able to have more detailed conversations in Spanish, correctly narrating sequences of events, as well as use the past tense correctly. They will continue to explore social and cultural customs of various Spanish speaking countries. Students should expect to interact in the target language during class.

## **Spanish III**

1.0 Elective Credit – Year Long

Prerequisite – Spanish II and/or teacher recommendation.

**Grades – 10, 11, 12**

Third year Spanish students will master verb tenses and other grammar formations learned from Spanish I and II. Students will also be introduced to the future/conditional and subjunctive verb tenses and usage. In addition, students will continue to read, practice conversation and improve their writing skills. The focus of cultural content is on various Hispanic holidays. The class is conducted primarily in Spanish.

## **Spanish IV**

1.0 Elective Credit – Year Long

Prerequisite – Spanish III and/or teacher recommendation

**Grades – 11, 12**

The Spanish IV class provides students the opportunity to further develop, improve and refine their listening, speaking, reading and writing skills. Emphasis continues to be placed on aural skills with additional emphasis on reading and writing in the target language. Supplementary materials are implemented to enhance language use. Students experience multiple opportunities to demonstrate their proficiency in Spanish in different contexts. Aspects of contemporary Hispanic culture are emphasized through cultural readings, media (such as Spanish soap operas), games, and class discussions. Assessment of student performance is identified through written tests and quizzes. In addition, students may also be assessed by means of oral tests, spoken dialogues, presentations, short compositions and other displays. Homework assignments are an integral part of this course. They reinforce concepts/skills introduced and explored in class, which enable students to participate in class discussions and activities in a meaningful way. This class is conducted in Spanish and students are expected to participate using the target language.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **Spanish V/AP Spanish Language & Culture**

1.0 Elective Credit – Year Long

Prerequisite – Spanish IV and/or teacher recommendation

**Grades – 11, 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* Spanish V/AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

## **Spanish VI/ AP Spanish Literature & Culture**

1.0 Elective Credit – Year Long

Prerequisite – Spanish V/AP Spanish Language & Culture and/or teacher recommendation

**Grade – 12**

Additional Requirements: *The fee for an AP exam is the responsibility of the student/parent.* Spanish VI/AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts.

## **General Electives – Academic Skills**

*General Electives in a given subject area do not fulfill graduation requirements toward the given subject but rather count towards the 7 total elective credits required to graduate.*

### **UWO CAPP 125 – Learning Strategies for College Success**

0.5 SMCHS Elective Credit (1.0 UWO CAPP Credit) – 1 Semester

Prerequisite – 2.75 GPA or Instructor Written Recommendation

**Grade – 12**

Cost \$110 plus textbook. Fees will be billed to tuition accounts. Fee reduction available to students who qualify for F/R.

This course is for students who want to develop greater proficiency in the college-level study and thinking strategies that are essential for academic achievement. With an emphasis on becoming a self-regulated learner, the course is suitable for both beginning and experienced college students. Topics include foundations of learning and motivation, motivational strategies, behavioral strategies, and learning and study strategies. Students will learn how to select appropriate strategies, as well as how to apply them to their academic coursework.



# St. Mary Catholic Schools

Grades Pre-K3 - 12

## Online Learning through Arrupe Virtual Learning Institute (AVLI) for Grades 11-12

**Online Learning:** The following course options allow SMCHS students to pursue interests that will help them grow to be their personal best. Beyond challenging course content, an online learning experience fosters important life skills, and provides opportunities to learn with students from Catholic schools across North America. Online learning courses help students develop time management skills, discipline, self-advocacy, and more. Enrolling in online learning

courses helps students mature into independent learners that will serve them well in college and beyond. **Students are required to take 6 in-person classes each semester. Online courses will be taken in place of a study hall or senior privilege.**

**Format & Time Commitment:** AVLI courses run on a traditional semester-based schedule utilizing the type of platform and online format that students might expect to experience in college. Though the formats and schedules differ from course to course, most are very flexible in design to allow students to complete their AVLI work around their existing school and extra-curricular schedules. Here are some important points about the AVLI experience:

- **We value your time and try to use it well.** Our courses require as much time as any other course. If you add up the time you spend in class, doing homework, and studying for any given course, that's about how much time each week your AVLI course will require. Obviously, higher-level courses like AP courses require more time just like they would in your face-to-face school. Generally, this falls into the range of 5-7 hours per week.

- **Regular engagement matters.** You can't skip weeks in an AVLI course just like you can't skip weeks at your face-to-face school. Teachers monitor participation and assignment submission to help students stay on track. •

**Courses are largely Asynchronous, Teacher-led, and Cohort-based.** These are important distinctions that warrant careful explanation.

- **Asynchronous:** While each course will offer one synchronous (i.e. "live") online meeting time per week, course tasks and activities are mostly asynchronous, meaning students do not have to be present online at a certain time each day. This allows students to work around their other in-school classes. Courses often use learning activities such as recorded lessons, discussion forums, readings, and assignments. Students usually complete many of these tasks independently during their school day. Teachers are available throughout each week via email should a student have questions or need support. Synchronous sessions are then often used for supplemental instruction, Q&A, group work, or extension activities.

- **Teacher-led and cohort-based:** While students often work quite independently, our courses are not considered "independent" or "self-paced". Our teachers design their course materials, set the course schedule, work closely with students to facilitate, and monitor their progress, and support the building of a community among the class cohort. Learning tasks are assigned deadlines throughout each week to which students are expected to adhere.

**Classmates & Community:** Your classmates will be students from other schools across North America. It is the shared responsibility of all the class's participants, both students and teacher, to build a rich learning community. Your support system can extend beyond the course as well, and at AVLI we believe in helping you build and maintain that structure. Regular communication is sent to students, parents, and schools regarding student progress.

**Advanced Placement (AP):** AP examinations are coordinated through St. Mary Catholic High School.

**Creighton University Dual Credit Option:** AVLI has a dual credit partnership with Creighton University based in Omaha, Nebraska. Students are eligible to receive 3 hours of college credit for select courses (identified in the course listing). To qualify, students enroll in the course and pay the traditional course fee. They will then be provided the



# St. Mary Catholic Schools

Grades Pre-K3 -12

option of applying for credit for an **additional fee of \$110\*** paid to the University.

**Cost:** Course fees will be billed to your tuition account. There may be additional textbook fees.

**Year-long course \$465**

**Semester Course \$335**

*\*2024 fee rate and is subject to change at the discretion of Creighton University.*

## AVLI Online Learning Course List

<u>Year Long Courses – 1.0 credit</u>	<u>Fall Semester- 0.5 credit</u>	<u>Spring Semester- 0.5 credit</u>
AP Art History AP Comparative Gov & Politics AP Computer Science A AP Environmental Science AP European History AP Music Theory AP Statistics AP World History American Sign Language I American Sign Language II American Sign Language III Latin I Latin II Multivariable Calculus	AP Microeconomics Bioethics: Navigating the Ethical Dilemmas of our Future Computer Science Principles Introduction to Biochemistry Java Script Programming Multimedia Authorship	AP Macroeconomics Astronomy: An Introduction Bioethics: Navigating the Ethical Dilemmas of our Future C++ Programming Catholic Authors Comic Book Fiction Computer Game Development Genocide and the Holocaust Introduction to Veterinary Careers Model United Nations/International Relations (MUNIR) Statistics & Probability Foundations

## Year Long Course Descriptions (September 4, 2025 – May 1, 2026)

### AP Art History

1.0 Fine Art Credit – Year Long (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$100

The AP Art History course explores topics such as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing understanding of individual works and interconnections of art-making processes and products throughout history. Coursework is rigorous and will prepare students to sit for the AP Art History College Board exam in the spring. This course requires weekly engagement but is primarily asynchronous allowing students to work around their school schedule. A required synchronous meeting takes place one evening per week. Meeting times are determined at the start of each term.



# St. Mary Catholic Schools

Grades Pre-K3 -12

## **AP Comparative Government and Politics**

1.0 Social Studies Credit – Year Long (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$83.20

AP Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking. **This course requires weekly engagement** but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **AP Computer Science A**

1.0 Elective Credit – Year Long (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval, AND students should have successfully completed one course in a programming language such as C, C++, Visual Basic .Net, or Java. And have a computer with administrator rights access. Moreover, students should know how to edit, compile, and run a program.

**Grades – 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$100

This course is an Advanced Placement level introduction to object-oriented programming in Java. Students will focus on a problem-solving approach designed to focus attention on programming algorithms and data structures. Students will be fluent in the syntax and logic structures of the Java programming language as well as familiar with the Java API. Students will attempt difficult programming challenges, reflect on these exercises, and share their discoveries with their peers. In the spring, students will be eligible to take the AP Computer Science A Exam offered by the College Board at their school. **This course requires weekly engagement** but is primarily asynchronous which allows students to work independently and around their school schedule. One-on-one synchronous teacher support is offered as needed, by appointment.

## **AP Environmental Science**

1.0 Science Credit – Year Long

Prerequisite – Biology, Chemistry, 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$0 (optional textbook costs approximately \$60)

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students will be expected to view daily videos on the AP Classroom website and answer topic questions to check their comprehension. Unit Progress Checks and Unit Tests will be accessed on the AP Classroom site at the conclusion of each topic. A variety of virtual lab activities will also be completed for each unit. Following through with this protocol, students should be well prepared for the AP Environmental Exam offered by the College Board at their school in the Spring. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on



# St. Mary Catholic Schools

Grades Pre-K3 - 12

demand, by appointment.

## **AP European History**

1.0 Social Studies Credit – Year Long

Prerequisite – Biology, Chemistry, 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$50

In AP European History, students investigate significant events, individuals, developments, and processes from about 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary & secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course to make connections among historical developments in different times and places: interaction of Europe & the world, economic & commercial development, cultural & intellectual development, states & other institutions of power, social organization & development, national & European identity, and technological & scientific innovations. This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **AP Music Theory**

1.0 Fine Art Credit – Year Long (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$85

The AP Music Theory course corresponds to two semesters of typical introductory college music theory class. Topics include musicianship, theory, musical materials and procedures, dictation and listening skills, sight-singing, and harmony. The goal is to develop the ability to recognize, understand and describe basic materials and processes of tonal music that are heard or presented in a musical score. Notational skills, speed, and fluency with basic materials are emphasized. Students who complete this course are encouraged and eligible to take the AP exam in the Spring. This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. There is no weekly scheduled class meeting, but one-on-one synchronous teacher support is offered as needed, by appointment.

## **AP Statistics**

1.0 Elective Credit – Year Long (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$60

This course prepares students to take the AP Statistics Exam administered by the AP Central College Board. It develops an intuitive, non-calculus-based understanding with an emphasis on doing statistics. Statistics make sense of data; it consists of a set of tools that allow us to make inferences in the face of uncertainty. Statistical methods draw from the Gaussian (normal, bell shaped) distribution as well as the binomial and chi-square distributions. We learn about data description concepts, hypothesis testing, probability, discrete and random variables, several inferential techniques, regression, and how to plan and carry out a properly designed statistical analysis. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. A required synchronous meeting takes place one evening per week. Meeting times will be determined at



# St. Mary Catholic Schools

Grades Pre-K3 -12

the start of each term.

## **AP World History**

1.0 Social Studies Credit – Year Long (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$0 (Resources provided)

AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from approximately 1200 C.E. to the present. These themes, examined across cultures and time periods, include interaction between humans and the environment, development and interaction of cultures, state-building, expansion and conflict, creation, expansion and interaction of economic systems, and the development and transformation of social structures. This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. There is a required synchronous meeting that will take place one evening every three weeks, as well as a weekly office hour that is optional. Meeting times will be determined at the start of each term.

## **American Sign Language Level I**

1.0 Elective Credit – Year Long

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$65

Did you know that American Sign Language (ASL) is the third most commonly used language in North America? In this course, students will learn the manual alphabet, introductory vocabulary, and simple sentences needed to communicate at a basic level. Additionally, students will explore Deaf culture, including social beliefs, traditions, history, values, and communities influenced by deafness. This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **American Sign Language Level II**

1.0 Elective Credit – Year Long

Prerequisite – American Sign Language I, 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$65

Continue your journey through the worlds of EARth and EYEth. The course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **American Sign Language Level III NEW**

1.0 Elective Credit – Year Long

Prerequisite – American Sign Language II, 2.5 Cumulative GPA, Administration Approval

**Grade – 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$65

On the next step of your journey through the worlds of EARth and EYEth, you'll follow three friends: a deaf chef, a



# St. Mary Catholic Schools

Grades Pre-K3 - 12

drummer, and an inspiring actress through their daily lives and friendship. Get ready to slice and dice like a chef, critique some entertainment for a vlog, reminisce on childhood memories, play some games, and do a little traveling. Along the way you will get to dive deeper into deaf culture and even get an inside look into the lives of some famous deaf people. The course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **Latin Level I**

1.0 Elective Credit – Year Long

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$65

In this introductory course, students will learn the basic elements of Latin grammar, syntax, and vocabulary. Students will explore the mythology, history and culture of Rome and apply what they learn through translation practice, writing, listening, and conversation exercises, while reading Roman stories that have stood the test of time. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students.

## **Latin Level II**

1.0 Elective Credit – Year Long

Prerequisite – Latin Level I, 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$65

In this course, students will expand grammar and vocabulary skills and step back in time into Rome's intriguing past. They will explore classical cultures and apply what they learn through translation practice as well as writing, listening, and conversation exercises. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students.

## **Multivariable Calculus**

1.0 Math Credit – Year Long (Dual Credit Eligible through Creighton University)

Prerequisite – Successful completion of AP Calculus BC with a score of 4 or 5 on the AP exam, 2.5 Cumulative GPA, and Administration Approval

**Grades – 11, 12**

Course Fee: \$465

Approximate Text/Resources Cost: \$55

Focusing on the study of fundamental theorems and applications of multivariable calculus, this course extends to the calculus of one-dimension studied in AP Calculus BC to Euclidean spaces of arbitrary dimension. The course begins with vectors and moves to the theory of partial derivatives and vector fields. Multiple Riemann integrals and their applications are covered in term 2, as well as important theorems of vector calculus including the theorems of Green, Gauss, and Stokes. A nontrivial amount of real analysis and point-set topology will be studied to facilitate the development of certain multivariable calculus concepts. This increased sophistication allows students to see more clearly how multivariable calculus is a beautiful generalization of single-variable calculus. This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. An optional synchronous meeting takes place one evening per week. One-on-one support is also available by





# St. Mary Catholic Schools

Grades Pre-K3 -12

appointment.

## Fall Semester Course Descriptions (September 4 – December 12, 2025)

### **AP Microeconomics**

0.5 Social Studies Credit – 1 Semester (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$20

How should faithful Catholics think about economics? This course integrates selected themes from the Neo Scholastic School of Economics with the content of the AP Economics syllabus in microeconomics. The course prepares students for the AP exam and offers a way to view our redeemed creation through the prism of social science. The economic way of thinking does not begin with Adam Smith, but based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at Spain's University of Salamanca during the sixteenth and seventeenth centuries, and on the Popes' social encyclicals. We develop our understanding of basic economic concepts and analytic tools by anchoring them to our faith's moral traditions and foundations. This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. An optional synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

### **Bioethics: Navigating the Ethical Dilemmas of our Future**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (Resources provided)

The purpose of this course is to deepen the ethical and moral competence of students who are interested in the healthcare field. Medical decisions are some of the most difficult decisions we have to make. In this course, students will learn how to make these decisions by closely examining beginning and end of life issues, the ethics of medical research, justice concerns in the medical field and emerging technologies in medicine. This course is taught from a Catholic perspective and students will learn the teaching of the Catholic Church through the Ethical and Religious Directives for Catholic Healthcare Services. Students will also be free to discuss their own moral views in discussion forums and projects. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

### **Computer Science Principles**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grade – Recommended for 10 but 11 & 12 are welcome**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (resources provided)

This course introduces students to a wide array of important computer science topics. Students will learn the ideas and practices of computational thinking and how computers impact the world around us. Topics covered include basic computer vocabulary, bits and bytes, programming, abstraction, internet and networking. Another important aspect of the course is learning how to collaborate with other students. Each student will be put in groups and work together to meet the objectives of the module. Collaborating with other students is essential to success in this course,



# St. Mary Catholic Schools

Grades Pre-K3 -12

as well as a much-needed life skill. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. There is a required synchronous meeting that will take place one evening or weekend day per week. Meeting times will be determined at the start of each term.

## **Introduction to Biochemistry**

0.5 Science Credit – 1 Semester

Prerequisites – Biology and Chemistry, 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$100

This course provides an overview of the main aspects of biochemistry, especially as related to human biology. Topics will include a thorough study into the four major biochemical families including proteins, carbohydrates, lipids, and nucleic acids. Select biochemical functions will be discussed in the context of chemical structures and of specific chemical principles for each of the families of molecules (for example: enzymes and enzyme regulation, carbohydrate needs in the body, lipid functions, and nucleic acid structures). Finally, the course provides an overview of metabolism and metabolic pathways which are fundamental to understanding molecular biology. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. A required synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

## **JavaScript Programming**

0.5 Elective Credit – 1 Semester

Prerequisites – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$25

This course introduces students to computer programming using the JavaScript programming language. JavaScript is an object-oriented programming language similar to Java, Swift, C# or Python. It is the language behind the internet and crucial for any aspiring programmer to learn. In this course, students will learn basic programming concepts including variables, control-flow, loops, functions, and data structures. Through a variety of projects, students will practice these skills and learn how to write high quality code. Previous computer science experience is not required for this course. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **Multimedia Authorship – The Power of Words and Images**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (resources provided)

This course aims to develop communication skills through expressing ideas using multimedia technology. Students will study models of multimedia composition used by professional and student writers and then create their own multimedia content, pushing students to master the concepts and technical skills the composition requires. To fully



# St. Mary Catholic Schools

Grades Pre-K3 - 12

participate in the class, students must have a computer (Mac or Windows) on which they can install new programs and access to a digital camera. The semester will culminate with each student producing an original, substantive multimedia project on a topic of their choice. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students.

## Spring Semester Course Descriptions (January 8 - May 1, 2025)

### **AP Macroeconomics**

0.5 Social Studies Credit – 1 Semester (Dual Credit Eligible through Creighton University)

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$20

This course integrates selected themes from the Neo Scholastic School of economics with the content of the AP Economics syllabus in macroeconomics. The course prepares students to do well on the AP exam and offers a way to view our redeemed creation through the prism of social science. The economic way is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at Spain's University of Salamanca during the sixteenth and seventeenth centuries, and on the Popes' social encyclicals. We develop our understanding of basic economic concepts and analytic tools by anchoring them to our faith's moral traditions and foundations. This course requires weekly engagement but is primarily asynchronous, allowing students to work around their school schedule. An optional synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

### **Astronomy: An Introduction**

0.5 Science Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$15

Most of us are familiar with spectacular images from space missions and telescopes, and we've heard terms like "galaxies" and "black holes" tossed about in popular films. What we can sometimes forget is how those abstract terms and images are actually connected to the sky we can see overhead every night (at least when it's not cloudy!) This course aims to make those connections. It provides an introduction to the solar system, stars, the interstellar medium, the galaxy, and the universe. But it also teaches us how to look at the sky itself, to become familiar with the Moon, planets, and stars we can see for ourselves; where they are and how they move from hour to hour, season to season. It is also designed to force students to think like scientists – separating fact from theory, studying relationships between objects in search of patterns, and more. This course requires weekly engagement, including required weekly naked eye observations of the sky; but is primarily asynchronous, which allows students to work around their school schedule. One-on-one synchronous teacher support is offered on demand by appointment.

### **Bioethics: Navigating the Ethical Dilemmas of our Future**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335



# St. Mary Catholic Schools

Grades Pre-K3 -12

Approximate Text/Resources Cost: \$0 (resources provided)

The purpose of this course is to deepen the ethical and moral competence of students who are interested in the healthcare field. Medical decisions are some of the most difficult decisions that we have to make, and in this course, students will learn how to make these decisions, closely examining beginning and end of life issues, the ethics of medical research, justice concerns in the medical field and emerging technologies in medicine. This course is taught from a Catholic perspective and students will learn the teaching of the Catholic Church through the Ethical and Religious Directives for Catholic Healthcare Services, but students will also be free to discuss their own moral views in discussion forums and projects. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **C++ Programming**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (resources provided)

This course will introduce students to computer programming using C++ programming language. C++ is a programming language used in many applications, across different industries. Through this course, students will learn the basic syntax necessary to write a computer program and how to attack a problem using the proper planning techniques. Students will learn about control structures, loops, procedures, arrays and much more. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in groups and work together to meet the objectives of the module. Collaborating with other students is essential to the success of students in this course, as well as a much-needed life skill. There is a required synchronous meeting that will take place during one evening or weekend day per week. Meeting times will be determined at the start of each term.

## **Catholic Authors**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$20

The Roman Catholic Church is richly blessed with many wonderful authors who write passionately and compellingly about our faith. How many do you know? Augustine, Aquinas, Belloc, Chesterton, Dante, De la Motte Fouquet, Endo, Finnis, Greene, L'engle, Merton, O'Connor, Percy, Tolkien, and so many more. This course explores several diverse Catholic authors and their works and ideas, hones students' critical reading and interpretative skills, and brings students together from Catholic schools around North America to explore our Catholic faith through our rich literary heritage. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. A required synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

## **Comic Book Fiction**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grade – 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (resources provided)

Literature is paradoxical by nature: attempting to hold a critical mirror up to the very society that produced it and of



# St. Mary Catholic Schools

Grades Pre-K3 - 12

which it is part. It requires skill to uncover what authors want to say, what they do say, and, critically, what they don't say. Comic books are no different. Despite being marginalized by traditional literary circles, comic books feature the same literary techniques and devices as canonized literature and therefore offer an accessible entryway into literary analysis. In this course, you will learn and/or sharpen reading, writing, and analytical skills while reading some of the most lauded comic book titles like X-Men, Spiderman, and Batman among others on an epic literary journey. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. A required synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

## **Computer Game Development**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (resources provided)

In this course, students will explore the variety of technologies and art forms that go into game design and development. Video games are the biggest entertainment industry in the world. They are also multimedia experiences that incorporate storytelling, music, art, and technology. This course examines the impact that games have on our society and exposes students to a wide variety of video games and genres, while teaching students to create their own video games and think critically about the games that they play. Students will learn to use a basic game engine to bring their video game ideas to life. Some previous experience in computer science is helpful but not required. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. One-on-one synchronous teacher drop-in support time is offered each week for students, as well as on demand, by appointment.

## **Genocide and the Holocaust**

0.5 Social Studies Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (resources provided)

This course looks at both the academic and social constructions of genocide. We will view the Holocaust as the paradigmatic example of, but not only, genocide in modern history. Students will study the causes and processes of genocide as well as other contemporary crimes against humanity. Students and parents should be advised that this course utilizes intense and disturbing materials. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. An optional synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

## **Introduction to Veterinary Careers**

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$0 (resources provided)

In this course students will investigate the vast field of veterinary medicine, from entering the field to living and growing within it. They will explore educational and licensing requirements, the varied jobs within the profession, and the reality of everyday life in the veterinary field. The class will emphasize personal discovery of an individual's options for education and careers as well as considering their own strengths, weaknesses, and interests as they relate to



# St. Mary Catholic Schools

Grades Pre-K3 -12

veterinary careers. Finally, students will consider social and ethical challenges they may encounter to help them discern if veterinary medicine is right for them. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. An optional synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

## **Model United Nations/International Relations (MUNIR)**

0.5 Social Studies Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grades – 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$25

Model United Nations is an educational simulation and academic competition in which students learn about diplomacy, international relations, and the United Nations. International Relations is an academic course designed to examine the behavior of nations and states both individually and collectively. When you combine using the Model UN platform to examine the state of International Relations today, you have an interesting and fun way to enhance both your perception of global issues and your position as a citizen of your country and the global community. This is not a course that will drown itself in theory. Rather, it is designed to offer opportunities for students to study modern global issues, and the positions and interactions of nations and states, through research, simulations, discussion, and written assignments. Students are assigned a country at the beginning of the semester and represent that country during simulations, constructing position papers, resolutions, and amendments. Seminars encourage students to participate in online discussion to resolve, or perhaps merely to understand better, an issue. As committee work is such a vital part of the course, significant online interaction via email, video conferencing, or texting is a must for success. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. A required synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

## **Statistics & Probability Foundations**

0.5 Elective Credit – 1 Semester

Prerequisites – Algebra I, 2.5 Cumulative GPA, Administration Approval

**Grades – 10, 11, 12**

Course Fee: \$335

Approximate Text/Resources Cost: \$90

The purpose of this course is to learn the foundational concepts and tools of descriptive and inferential statistical reasoning in a fun way. This is an introductory, non-AP course, that covers most of the concepts in an introductory statistics course by working with data from all over across many elds of study. In our data-saturated world, people must be able to ask thoughtful questions, properly analyze data, and, most importantly, use critical thinking skills to draw appropriate conclusions and recognize inappropriate conclusions made by others. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. A required synchronous meeting takes place one evening per week. Meeting times will be determined at the start of each term.

## **NWTC Distance Learning Courses**

The following courses are offered through Northeast Wisconsin Technical College (NWTC). Payment for NWTC courses and textbooks will be billed to your SMCS tuition account. **Students are required to take 6 in-person classes each semester. Online courses will be taken in place of a study hall or senior privilege.**

Distance Learning courses are only offered specific days and times each week. As a result, students may miss



# St. Mary Catholic Schools

Grades Pre-K3 -12

portions of their SMC courses. We make every effort to accommodate NWTC courses, but sometimes there is overlap.

Once a student is enrolled in a Distance Learning course, there is no penalty if the class is dropped before the first day of class. If a student drops the course after the first day of class and before the fifth business day after the class has started, parents are responsible to pay 20% of the course fee, and 100% of the book fee. **If the course is dropped after the fifth business day, parents are responsible for paying 100% for the course and textbook.** See page three for SMC's grading policy.

**Post-secondary institutions may vary in how these courses fulfill their requirements and credits transfer.**

## **American Sign Language I\***

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$505 plus textbook

This course teaches students how to relate to the deaf culture including non-manual grammatical markers, signing, fingerspelling, classifying and the technology related to deafness.

## **American Sign Language II\***

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$505 (same textbook used for ASL I)

This is a more in-depth study relating to deaf culture including non-manual grammatical markers, signing, fingerspelling, classifying and the technology related to deafness.

*\* American Sign Language is also offered as a yearlong course through our AVLI Online Learning program. Students would receive 1.0 SMC credit only. Online Learning courses are taken during an assigned SMC class period. NWTC courses are only offered at specific times and may not fit into a student's SMC schedule.*

## **Contemporary Healthcare Practices/Digital Literacy for Healthcare**

0.5 SMCHS Elective Credit (4.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

**Grade – 12**

Cost – Approximately \$680 plus textbook

The Contemporary Healthcare Practices course is taken in the first eight weeks of the semester and prepares learners to work in the healthcare environment as part of a healthcare team. Learners will investigate the healthcare community, patient privacy standards, and the professional behavior that is expected in today's medical community. Learners will examine various aspects of verbal and written communication skills, customer service principles, and problem-solving techniques necessary to be a vital member of the healthcare workforce. Digital Literacy for Healthcare is taken the second eight weeks of the semester and provides an introduction to basic computer functions and applications utilized in contemporary healthcare settings. Students are introduced to the hardware and software components of modern computer systems.

## **Developmental Psychology**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester



# St. Mary Catholic Schools

Grades Pre-K3 -12

Prerequisite – 2.5 Cumulative GPA, Administration Approval  
Grade – 12

Cost – Approximately \$590 plus textbook

This course defines human development, examines theories, heredity and environmental effects; prenatal development and birth; and evaluates biosocial, cognitive psychosocial development through the life span of aging, death, and dying.

### **Early Childhood Education: Child Development**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval  
Grade – 12

Cost – Approximately \$525 plus textbook

This course examines child development within the context of the early childhood education setting, focusing on children ages 3-8 years of age.

### **ECE: Health, Safety & Nutrition**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval  
Grade – 12

Cost – Approximately \$525 plus textbook

Covers health, safety, and nutrition within the context of the early childhood educational setting for children from birth through 8 years of age. This course includes training for Abusive Head Trauma, SIDS, and Mandated Reporter certifications.

### **Introduction to Ethics: Theory & Application**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval  
Grade – 12

Cost – Approximately \$505 plus textbook

Students will gain a basic understanding of theoretical foundations of ethical thought; analyze/compare relevant issues using diverse ethical perspectives; and critically evaluate individual, social/professional standards of behavior-- applying a systematic decision-making process.

### **Introduction to Law Enforcement**

0.5 SMCHS Elective Credit (3.0 NWTC) Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval  
Grade – 12

Cost – Approximately \$505 plus textbook

In this course, learners will discover the history and evolution of policing and explore thought-provoking issues that underscore the challenging and rewarding world of policing. Learners will examine the role of law enforcement in a democratic society, covering concepts such as law enforcement services; crime deterrence; discretion, and the expanded role of today's police officers. This course will also explore evolving law enforcement strategies and





# St. Mary Catholic Schools

Grades Pre-K3 - 12

attitudes that build effective law enforcement and community relationships including the use of problem-oriented policing. Learners will also consider how professional law enforcement officers work in conjunction with the courts, corrections and other agencies to administer criminal justice in Wisconsin.

## **Introduction to Sociology**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$505 plus textbook

Students will discuss the nature and variety of groups; inequality, race and ethnicity; family, population, social integration, and change; collective behavior; politics, economics, religion, education, and the effects of technology.

## **Medical Terminology**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$505 plus textbook

This course focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology. Post-secondary institutions may vary in how this class fulfills their requirements. **NOTE:** Students may earn a Healthcare Customer Service Pathway Certificate through NWTC if they take Medical Terminology, Digital Literacy for Healthcare and Culture of Healthcare.

## **Private Investigation Tactics**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$505 plus textbook

Private investigators are used by law firms, corporations, insurance companies and other public and private entities. This course covers the basics of locating individuals using open sources of information, ethical considerations for investigators, constitutional law application and current investigative practices as preparation for success as a private investigator, corporate and private security or insurance claim investigator. Includes lessons on developing a business and marketing plan and preparing for the Wisconsin Private Detective license exam.

## **Social Media Marketing**

0.5 SMCHS Elective Credit (3.0 NWTC Credit) – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$505 plus textbook

Explore the current state of social media and trends moving forward. Learn about the opportunities social media provides, what interactions mean for a business, and how communication has changed. A strategic plan will be developed to understand the needs of a social media marketing campaign through research, discovery, and thoughtful content creation.



# St. Mary Catholic Schools

Grades Pre-K3 - 12

## Four Year Planner

	<b>Grade 9</b>	<b>1st Sem</b>	<b>2nd Sem</b>	<b>Credit</b>		<b>Grade 10</b>	<b>1st Sem</b>	<b>2nd Sem</b>	<b>Credit</b>
1	Theology I	0.5	0.5	1	1	Theology II	0.5	0.5	1
2	English 9 or Honors English 9	0.5	0.5	1	2	Oral & Written or Honors O&W	0.5	0.5	1
3	Math	0.5	0.5	1	3	Math	0.5	0.5	1
4	Science 9 or Honors Biology	0.5	0.5	1	4	Biology or Chemistry	0.5	0.5	1
5	Global Studies	0.5	0.5	1	5	Social Studies or Elective			
6	(Health/ PE/Business/Fine Art)				6	(Health/ PE/Business/Fine Art)			
7					7				
8	Elective or Study Hall				8	Elective or Study Hall			
+	<b>15 Service Hours</b>				+	<b>15 Service Hours</b>			
	<b>Credit Totals:</b>					<b>Credit Totals:</b>			
	<b>Grade 11</b>	<b>1st Sem</b>	<b>2nd Sem</b>	<b>Credit</b>		<b>Grade 12</b>	<b>1st Sem</b>	<b>2nd Sem</b>	<b>Credit</b>
1	Theological Studies	0.5	0.5	1	1	Theological Studies	0.5	0.5	1
2	American Lit or AP Language	0.5	0.5	1	2	English	0.5	0.5	1
3	U.S. History or AP US History	0.5	0.5	1	3	Government or AP Government	0.5		
4	Science ( <i>Physics required in Pathway 2</i> )	0.5	0.5	1	4				
5	Math	0.5	0.5	1	5				
6					6				
7					7				
8	Elective or Study Hall				8	Elective or Senior Privilege			
+	<b>15 Service Hours</b>				+	<b>15 Service Hours</b>			
	<b>Credit Totals:</b>					<b>Credit Totals:</b>			



# St. Mary Catholic Schools

Grades Pre-K3 -12

**27.5 credits required for graduation include:** Business & Information Technology (0.5), Personal Finance (0.5), English (4), Fine Arts (0.5), Health (0.5), Math (3), Physical Education (1.5), Science (3), Social Studies (3), Theological Studies (4), Electives (7)

## Course Offerings Index (Listed alphabetically by grade)

### **Business & Information Technology (pp 7-9)**

Computer Applications (9-12)  
Introduction to Business (9-12)  
Accounting (10-12)  
Introduction to Investing (10-12)  
Introduction to Marketing (10-12)  
Personal Finance (10-12)  
Personal Finance Seminar (11-12) **NEW**  
Career Experience (12)  
UWO CAPP 125 Learning Strategies for College Success (12)

### **English (pp 9-11)**

English 9  
Honors English 9  
Oral and Written Composition 10  
Honors Oral and Written Composition 10  
American Literature (11)  
AP Language and Composition (11-12)  
UWO CAPP 111: Intro to Public Speaking (11-12)  
Creative Writing (11-12)  
AP Literature and Composition (12)  
World Literature (12)

### **Fine Arts –Music & Drama (pp 12-13)**

Acting I / II (9-12)  
Acting III (10-12)  
Concert Band (9-12)  
Dance I / II (9-12) **NEW**  
St. Mary Singers (9-12)

### **Fine Arts – Visual Art (pp 13-15)**

Introduction to Art (9-12)  
Drawing and Painting I (9-12)  
Photography (9-12)  
Drawing and Painting II (10-12)  
Drawing and Painting III (10-12)  
Graphic Design (10-12)

Sculpture I (10-12)  
Sculpture II (10-12)  
AP 2-D Art & Design (11-12)  
AP Drawing (11-12)

### **Mathematics (pp 15-18)**

Pre-Algebra (9-10)  
Algebra I (9-10)  
Honors Geometry (9-10)  
Algebra II (10-12)  
Geometry (10-12)  
Honors Algebra II (10-12)  
Pre-Calculus (11-12)  
AP Calculus AB (11-12)  
AP Calculus BC (11-12)  
Algebra III (12)  
Trigonometry (12)

### **Physical Education (pp 18-19)**

PE Sport Waiver  
Health (9-10)  
Physical Fitness (9-10)  
Lifetime Sports & Activities (11-12)

### **Science (pp 19-22)**

Science 9  
Honors Biology (9)  
Biology (10)  
Anatomy/Physiology (10-12)  
AP Biology (10-12)  
Chemistry (10-12)  
AP Chemistry (11-12)  
AP Physics 1 (11-12)  
Earth & Environmental Science (11-12)  
Physics (11-12)  
PLTW – Introduction to Engineering Design (9-12)  
PLTW – Principles of Engineering (10-12) PLTW  
– Aerospace Engineering (11-12)



# St. Mary Catholic School

Grades Pre-K3 - 12

## **Social Studies (pp 22-24)**

Global Studies (9)  
AP Psychology (10-12)  
Human Geography (10-12)  
Introduction to Law (10-12)  
Modern European History (10-12)

Psychology (10-12)  
AP United States History (11)  
United States History (11)  
Government (11-12)  
Economics (11-12)  
AP United States Government and Politics (11-12)

## **Theological Studies (pp 24-26)**

Theology IA (9)  
Theology IB (9)  
Theology IIA (10)  
Theology IIB (10)  
Apologetics (11-12)  
Ecumenical & Interreligious Issues (11-12)  
History of the Catholic Church I (11-12)  
History of the Catholic Church II (11-12)  
Liturgy & Music (11-12)  
Morality (11-12)  
Sacraments (11-12)  
Christian Discipleship (9-11)

## **World Languages (pp 26-30)**

German I (9-12)  
German II (9-12)  
German III (10-12)  
German IV (11-12)  
UWO CAPP 204 German/German V Lang & Culture (12)  
Mandarin I (9-12)  
Mandarin II (9-12)  
Mandarin III (10-12)  
Mandarin IV (11-12)  
Mandarin V/AP Chinese Language & Culture (11-12)  
Spanish I (9-12)  
Spanish II (9-12)  
Spanish III (10-12)  
Spanish IV (11-12)  
Spanish V/AP Spanish Language & Culture (11-12)  
Spanish VI/AP Spanish Literature & Culture (12)

## **Online Learning - AVLI (pp 30-40)**

Yearlong:

- AP Art History (11-12)
- AP Comparative Government & Politics (11-12) •
- AP Computer Science A (11-12)
- AP Environmental Science (11-12)

- AP European History (10-12)
- AP Music Theory (11-12)
- AP Statistics (10-12)
- AP World History (10-12)
- American Sign Language I (10-12)
- American Sign Language II (11-12)
- American Sign Language III (12)
- Latin I (10-12)
- Latin II (10-12)
- Multivariable Calculus (11-12)

## **Online Learning - AVLI (continued)**

Fall Semester:

- AP Microeconomics (10-12)
- Bioethics: Navigating Ethical Dilemmas (11-12) •
- Computer Science Principles (10-12) • Introduction to Biochemistry (11-12) • JavaScript Programming (10-12)
- Multimedia Authorship (11-12)

Spring Semester:

- AP Macroeconomics (10-12)
- Astronomy: An Introduction (11-12) • Bioethics: Navigating Ethical Dilemmas (11-12) • C++ Programming (10-12)
- Catholic Authors (10-12)
- Comic Book Fiction (12)
- Computer Game Development (10-12) •
- Genocide and the Holocaust (11-12) •
- Introduction to Veterinary Careers (11-12) •
- Model UN/Int'l Relations (MUNIR) (11-12) •
- Statistics & Probability Foundations (10-12)

## **Distance Learning - NWTC (pp**

**40-43)** American Sign Language I (12)  
American Sign Language II (12)  
Contemporary Healthcare/Digital Literacy (12)



# St. Mary Catholic School

Grades Pre-K3 -12

Developmental Psychology (12)  
ECE: Child Development (12)  
ECE: Health, Safety, Nutrition (12)  
Introduction to Ethics: Theory & Application (12)

Introduction to Law Enforcement (12)  
Introduction to Sociology (12)  
Medical Terminology (12)  
Private Investigation Tactics (12)  
Social Media Marketing (12)