



St. Mary Catholic Schools  
Grades P3-12

A Community Inspiring Success

# Course Selection Guide 2021-2022

St. Mary Catholic High School

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St. Mary  
Catholic High School

Est. 1928

*Be it known to all who enter  
that Christ is the reason for this school*



## Introduction

We are proud to offer this St. Mary Catholic High School Course Selection Guide for the 2020–2021 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 daughters and sons to us for their high school educational needs. We take very seriously our responsibility to facilitate their learning and growth.

## Mission Statement

*St. Mary Catholic, in partnership with family, Church and community, provides a quality Catholic education focused on Faith, Academics and Service to influence a rapidly changing world.*

## Vision Statement

*St. Mary Catholic High School will be the educational leader in promoting and fostering student spiritual, academic and social growth.*

## Commitment to Faith

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

*Service is an integral part of our Catholic education. We offer two service mornings each year, as well as an ongoing relationship with several service organizations.*





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## 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 elective. The required credits are:

<u>AREA</u>	<u>CREDIT</u>
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 <i>Required</i> Course Credits	20.0
<i>Elective</i> Course Credits	+7.0**
<b>Total Graduation Credits</b>	<b>27</b>

\* 4.0 recommended for college

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

*These are recommendations only. Students must consult each institution for their specific requirements, especially in the areas of Fine Arts and Business credits.*

## REPORT CARDS & GRADING STRUCTURE

Report cards are distributed at the end of each quarter. Only semester grades are recorded on the permanent record. Grade Point Averages (GPAs) are calculated on a 4.0 scale at the end of each semester, and are cumulative.

Grade	Credit	Percentage	Grade Point
A+	.5	98-100	4.00
A	.5	94-97	4.00
A-	.5	91-93	3.67
B+	.5	88-90	3.33
B	.5	84-87	3.00
B-	.5	81-83	2.67
C+	.5	78-80	2.33
C	.5	74-77	2.00
C-	.5	71-73	1.67
D+	.5	69-70	1.33
D	.5	67-68	1.00
D-	.5	65-66	0.67
F	.0	Below 65	0.00
P*	.5	N/A	N/A
W**	.0	N/A	N/A
R***	.0	N/A	N/A

P\* class passed; credit given, no grade point value

W\*\* withdrew from class, no credit nor grade point value given

R\*\*\* class retaken, credit and grade point value given (value not calculated for valedictorian/ salutatorian)



### ACADEMIC LETTERS OF EXCELLENCE

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 may receive an academic medal if he or she maintains a GPA of 3.5 or above for five consecutive semesters.

After receiving an academic letter AND an academic medal, a student may receive an academic plaque if he or she maintains a 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 effecting 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
- Other\*

\* “Other” may include helping with school events, or in Jane’s Woods, or in the office, etc. All service reflections and documentation are tracked electronically through X2VOL in Naviance.



## ELECTIVE CREDITS

Elective courses have been carefully evaluated and selected to provide students 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. With this in mind, 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 ***bold 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 test is the responsibility of the student/parent.***

### Blended Education Courses

Blended Education Courses allow students to take additional AP courses independently and select courses also give students the option to receive 3 hours of college credit through Creighton University. See the Course Descriptions section for complete details. ***Fees for Blended Education Courses are the responsibility of the student/parent.***

### CAPP Courses

Cooperative Academic Partnership Program (CAPP) 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). CAPP courses are taught in cooperation with the University of Wisconsin-Oshkosh. Other colleges will accept 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. ***St. Mary Catholic students taking a CAPP class are responsible for the entire tuition, as determined by the post-secondary institution. Tuition payment is due within the first two weeks of each CAPP course.***

### Distance Learning Courses

Distance Learning courses originate from participating technical colleges and grant both college and high school credit. ***Students/parents are responsible for the tuition as determined by the post-secondary institution. Tuition payment is due within the first two weeks of each course.***



### 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 for requesting 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 2021-22 SCHOOL YEAR

Athletic Fee	\$80.00 per sport (football is \$110.00)
Fine Arts (Band, Chorus, Art and Drama)	\$80.00 per some classes
Graduation Fee (seniors)	\$85.00
Retreat Fee	\$25.00
Fees for AP/Blended Ed/CAPP classes	See specific course descriptions

### 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.

The Learning Specialist 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 and information are located in the Counseling Office 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.

## COLLEGE ENTRANCE RECOMMENDATIONS

The Counseling Office recommends the following curriculum for those students who are college-bound:

- 4 credits of English
- 4 credits of Math beginning with Algebra I
- 4 credits of Social Studies
- 4 credits of Science
- 2 or more credits of one World Language
- 4 credits of other academic electives (Business & Information Technology, English, Fine Arts, Math, Science, Social Studies, World Language)

Admission to college can be competitive and selective. Students with the strongest qualifications, including the number of courses taken and the rigor of academic program (Honors, Advanced Placement courses, etc.), have the greatest chance of admission.

## DROP/ADD A COURSE

A student may drop and/or add a class only within the **first five class days** of each course. Permission for dropping or adding a class must be obtained from the student's parent(s), teachers involved in the change, the school counselor and/or the principal before the change is finalized. If a student withdraws from a class **after the fifth class day**, he or she will receive an F for the semester in that course. These guidelines are waived if the class withdrawal is teacher-initiated and approved by the principal. Schedule changes should take place no later than one week prior to the beginning of each semester. Students should not wait until classes start to request a schedule change; it will benefit students to have this taken care of before the new courses begin.

***Please do not wait until school starts to request a schedule change.***





## Business & Information Technology – Course Descriptions

### **Computer Applications I**

.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, and 12

This course, which serves as the prerequisite to *Computer Applications II*, introduces and explores common software platforms utilized by students throughout their secondary and collegiate study. Additional topics include efficient use of technology inside the classroom as well as introductory lessons in computer hardware.

### **Computer Applications II**

.5 Elective Credit – 1 Semester

Prerequisite – CA I or Test

Grades – 9, 10, 11, and 12

Building upon the investigations and discussions of CA I, *Computer Applications II* explores higher-level software and hardware technologies as well as networking. The capstone project for this course includes an independent study into a component or aspect of technology that interests the student, such as coding, network construction, and the like.

### **Introduction to Business**

0.5 Elective 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.

### **Leadership I\* (Leadership Exploration and Development)**

.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, and 12

This course explores the first three domains of leadership through a behavioral, sociological, and psychological lens. Students will engage in a combination of introspection, discussion, and hands-on, real-world study to help discover, develop, and empower their unique leadership style. Topics include personal leadership, relational leadership, contextual leadership, as well as responsible leadership. *\*This course will qualify for general elective credit only.*

### **Leadership II\* (Leadership Exploration and Development)**

.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, and 12

This course explores the last three domains of leadership through a behavioral, sociological, and psychological lens. Students will engage in a combination of introspection, discussion, and hands-on, real-world study to enhance their unique leadership style. Topics include supportive leadership, inspirational leadership, and configurational leadership. Additional topics include sports psychology, growth mindset, positive motivation, as well as leading in times of change or crisis. *\*This course will qualify for general elective credit only.*



### **Introduction to Marketing**

0.5 Elective 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 plan and carry out a hands-on school event in which they have to market and staff. 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 Elective 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.

### **CAPP 206 – Essentials of Financial Accounting**

0.5 SMCHS (3.0 UWO) Elective Credit – 1 Semester

Prerequisite – Completion of Algebra I with a grade of C or higher

Grades – 11, 12

Additional Requirements: See [CAPP Courses](#). *St. Mary Catholic students taking a CAPP class are responsible for the entire tuition, as determined by the post-secondary institution. Tuition payment is due within the first two weeks of each CAPP course. **Textbook purchase is required.***

This course is HIGHLY recommended if you are considering a degree in business or possibly owning your own business one day. 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. This course provides an introduction to the principles of financial accounting and the preparation, interpretation, and analysis of general-purpose financial statements for parties external to the organization.

### **CAPP 231 – Personal Finance**

0.5 SMCHS (3.0 UWO) Elective Credit – 1 Semester

Grades – 11, 12

Additional Requirements: See [CAPP Courses](#). *St. Mary Catholic students taking a CAPP class are responsible for the entire tuition, as determined by the post-secondary institution. Tuition payment is due within the first two weeks of each CAPP course. **Textbook purchase is required.***

A study of the major financial decisions encountered by individuals. Subjects covered are: budgeting, use of credit, automobile and consumer durables, insurance, the housing decision, taxes, retirement planning, estate transfer and investments. Each subject is analyzed within the context of a comprehensive framework of personal financial planning.



## General Electives - Business & Information Technology Department

*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.*

### **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. ***\*This course will qualify for general elective credit only.***

Possible English Pathways at SMC

Pathway 1	Pathway 2
English 9	Honors English 9
Oral & Written	Honors Oral & Written
American Literature	AP Language
World Literature	AP Literature
Optional Electives: Creative Writing (Grades 10-12) – 1 Semester – Counts as <b>Elective</b> Credit CAPP Speech (Grades 11-12) – 1 Semester – Counts as <b>English</b> Credit	

## English – Course Descriptions

### **Transitional English**

0.5 Elective Credit – 1 Semester; Students will be recommended for this class – it is not an open elective and may be taken more than 1 Semester

Grades – 9, 10, 11, 12

This course is designed to review fundamentals of grammar and sentence structure while expanding vocabulary. Students will review vocab words found on the TOEFL exam, read independent novels, practice oratory skills and develop writing skills.

### **English 9**

1.0 Required Credit – Year Long

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 Required Credit – Year Long

Prerequisite – 8<sup>th</sup> Grade Teacher Recommendation, Standardized Test Scores

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 Required Credit – Year Long

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.

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

1.0 Required Credit – Year Long

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.

### **Creative Writing\***

0.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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.

*\*This course will qualify for general elective credit only.*

### **American Literature**

1.0 Elective Credit – Year Long (Required unless Honors Am Lit or an AP course is substituted)

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 Elective Credit – Year Long

Prerequisite – Departmental Approval

Grades – 11, 12

Additional Requirements: *The fee for an AP test 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.

### **AP Literature and Composition**

1.0 Elective Credit – Year Long

Prerequisite – Departmental Approval

Grades – 11, 12

Additional Requirements: *The fee for an AP test 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.

### **CAPP Speech**

0.5 SMCHS (3.0 UWO) Elective Credit – 1 Semester

Prerequisite – 3.25 GPA

Grades – 11, 12

Additional Requirements: See [CAPP Courses](#). *St. Mary Catholic students taking a CAPP class are responsible for the entire tuition, as determined by the post–secondary institution. Tuition payment is due within the first two weeks of each CAPP course.*

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.

### **World Literature**

1.0 Elective Credit – Year Long

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 – Course Descriptions

### **Acting I**

.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, and 12

Additional Requirements: Fine Arts fee of \$80.00 per class

Calling all actors! If you feel you have a knack for performing or enjoy doing different voices or telling stories, then this is the class for you to explore that raw talent. You will gain an overview of the various techniques of acting and have the opportunity to exhibit your understanding of them in a final in-class performance.

### **Acting II**

.5 Elective Credit – 1 Semester

Prerequisite – Acting I

Grades – 9, 10, 11, and 12

Additional Requirements: Fine Arts fee of \$80.00 per class

Take your acting skills to the next level! You will be diving deeper into acting techniques for the stage as well as exploring the art of voice over. Script and character analysis will take place while doing table reads of published plays and musicals in addition to scene work. We will interview actors who have done Broadway and National tours. Actors in this course will perform in a final Showcase of scenes and monologues.

### **Introduction to Band**

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

Prerequisite – none

Grades – 9, 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class

This is an introductory course for students who wish to learn a musical instrument. No prior musical experience is necessary. Class time will be devoted to individual and group study dedicated to the building of basic techniques and musicianship. Students currently enrolled in Concert Band may also register for beginning band if they wish to pursue a secondary instrument.

### **Chamber Orchestra**

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

Prerequisite – Students must provide their own instrument. Students must have at least one year of recent experience on their instrument.

Grades – 9, 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class

This course is intended for students with experience on string instruments who wish to perform in an ensemble setting. Performances may include, but are not limited to: Christmas and Spring Concerts as well as Solo & Ensemble Festivals.

### **Concert Band**

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

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 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.



### **Drama I**

0.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 per class

This course is for students who would like to learn more about theatre in general. Aspects such as technical theatre, the rehearsal process, and how shows are created will be covered. You will also study specific performances and actors along the way. We will cover everything from Greek Tragedy to Hamilton and it's sure to be a blast!

### **Drama II**

0.5 Elective Credit – 1 Semester

Prerequisite – Drama I

Grades – 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 per class

Interested in learning how to work behind the scenes in theatre? Or do you just really enjoy learning about different shows? This is the class for you! We will do some interviews with industry professionals (stage managers, hair/wig designers, casting directors, etc.) to learn more about what a non-performance related career in theatre has to offer.

### **Music Production I**

0.5 Elective Credit – 1 Semester

Prerequisite - None

Grades - 9, 10, 11, 12

Are you interested in creating music using instruments, electronics or premade beats? If you answered yes then Music Production class is for you! Inside this project-based class students will get hands-on experience recording, editing, and publishing both music and video. Students will work with GarageBand, BandLab, and iMovie to create podcasts, music, music videos, commercials and do live recording.

### **St. Mary Singers**

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

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 per class

St. Mary Singers provides an opportunity to challenge students vocally with a variety of music from Classical, Jazz, Spiritual & Pop standards. We will develop your singing & performing voice along with sight singing, tone recognition and recognizing rhythms...all essential elements of 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 performances in and out of school are required and graded.

### **Soul Tones **NEW****

.5 Elective Credit - 1 Semester, may be taken more than 1 Semester

Prerequisite - None

Grades - 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 per class

Soul Tones is SMC's high school show choir. Students involved will sing and dance to popular music in the genres of Pop, Country, Music Theatre and Rock that revolve around a central theme. Students will have the opportunity to sing solos and in small groups. Students will also learn sight singing and basic theory to enhance their musical ability. Rehearsals will also occur outside of the school day.





### **Youth Theatre Stagecraft**

.5 Elective Credit – 1 Semester, may be taken more than 1 Semester

Prerequisite – None

Grades – 9, 10, 11, and 12

Additional Requirements: Fine Arts fee of \$80.00 per class

This course is all about making the elementary and middle school productions happen! Students in this class will take on creative team roles such as stage manager, choreographer, set designer, makeup artist, technical director, etc. If you enjoy working with younger children, this is a great class for you! Help pass the love of theatre on to the next generation while also gaining skills that can help you with a career you will love in the future!

### **Acting III NEW**

0.5 Elective Credit – 1 Semester

Prerequisite – Acting I, Acting II

Grades – 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 per class

Acting for film will be explored in addition to the stage techniques learned in Acting I and II. Students in this advanced course will have the chance to build a performance reel to submit to casting directors in the theatre and television industries. Students interested in majoring in theatre in college will be guided in building an audition portfolio.

### **Acting IV NEW**

0.5 Elective Credit – 1 Semester

Prerequisite – Acting I, Acting II, Acting III

Grades – 10, 11, 12

After the stage, voice over, and film/television acting techniques learned in Acting I, II, and III, students in this final acting course offering will continue to hone their craft. They will have the opportunity to put together a scenes program OR a one act play for public performance at the end of the semester. Students interested in majoring in theatre in college will be given further assistance finalizing their audition portfolios.

### **Music Production II NEW**

0.5 Elective Credit – 1 Semester

Prerequisite - Music Production 1

Grades - 10, 11, 12

Dive deeper into what was learned in Music Production 1. Use more advanced programs like Logic Pro and Final Cut Pro. Work closely with the Fine Arts Department to record live performances and rehearsals to create promotional material, concert videos and more. Students will also dive deeper into songwriting elements if that is where their interest lies.

### **CAPP 161 – Introduction to Theatre NEW**

0.5 SMCHS (3.0 UWO) Elective Credit – 1 Semester

Prerequisite – None

Grades – 11, 12 (Open to Grades 9 & 10 with Instructor Approval; CAPP credit available for Grades 11 & 12 only)

Additional Requirements: See [CAPP Courses](#). *St. Mary Catholic students taking a CAPP class are responsible for the entire tuition, as determined by the post-secondary institution. Tuition payment is due within the first two weeks of each CAPP course.*

Consider this class the bird's eye view of all things theatre. Learn about different plays, musicals, theatre history, improvisational acting, and more! We will do some interviews with industry professionals (stage managers, hair/wig designers, casting directors, etc.) to learn more about what a non-performance related career in theatre has to offer.





### **Music Theory**

0.5 Elective Credit – 1 Semester (Independent Study)

Prerequisite - 2 years of High School Music Ensemble

Grades - 11, 12

Do you want to know how music works and why it does? Are you interested in pursuing a career in music performance or education? Then music theory is your class. You will learn the behind the scenes make-up of music and be able to understand why and how it works. This includes note and rhythm reading intervals, chords, inversions, form, style, composition, and more. By the end of this course students will be ready, and able, to succeed in any music program at any college or university.

## Fine Arts – Visual Art – Course Descriptions

### **Introduction to Art**

0.5 Elective Credit – 1 Semester

Prerequisite - None

Grades - 9, 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 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.

### **Fundamentals of Art**

0.5 Elective Credit – 1 Semester

Prerequisite – none

Grades – 9, 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class

Fundamentals of Art is an introductory course that fulfills the SMCHS fine art elective credit and is designed for students who want to be exposed to creating, but do not wish to take other visual art courses at SMCHS. It is organized to help students develop a fundamental knowledge of the art world and cover concepts of the elements and principles of design. Students will create art while exploring the art of other cultures and times.

### **Drawing and Painting I**

0.5 Elective Credit – 1 Semester

Prerequisite – Introduction to Art

Grades – 9, 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class.

This course consists of two-dimensional work in drawing with various materials, painting in acrylic and mixed media, printmaking, and design. In class critiques may be a component of this course. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).

### **Drawing and Painting II**

0.5 Elective Credit – 1 Semester

Prerequisite – Introduction to Art, Drawing and Painting I

Grades - 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class.

This course is a continuation of the two-dimensional art studio path. As the art student progresses to the third and fourth levels, the drawing and painting challenges may be fewer but will be more complex. Critiques will be an important part of the course. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).



### **Drawing and Painting III**

0.5 Elective Credit – 1 Semester

Prerequisite – Introduction to Art, Drawing and Painting I, Drawing and Painting II

Grades – 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class. This course is a continuation of the two-dimensional art studio path. As the art student progresses to the fourth level, the drawing and painting challenges may be fewer but will be more complex. The student will determine the curriculum, with the advice and approval of the art teacher. Regular critiques will be an important part of the course. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).

### **Sculpture I**

0.5 Elective Credit – 1 Semester

Prerequisite – Introduction to Art

Grades – 9, 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class.

This course consists of the planning and execution of three-dimensional work using various materials and may include clay, metals, wood, recycled materials and fabric. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. There will also be a look at the work of professionals through the ages. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).

### **Sculpture II**

0.5 Elective Credit – 1 Semester

Prerequisite – Introduction to Art, Sculpture I

Grades – 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class.

This course consists of the planning and execution of three-dimensional work using various materials and may include clay, metals, stone and fabric. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas. There will also be a look at the work of professionals through the ages. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).

### **Sculpture III**

0.5 Elective Credit – 1 Semester

Prerequisite – Introduction to Art, Sculpture I, Sculpture II

Grades – 10, 11, 12

Additional Requirement: Fine Arts fee of \$80.00 per class

This course is a continuation of the three-dimensional art studio path. As the art student progresses to the fourth level, the challenges may be fewer but will be more complex. The student will determine the curriculum, with the advice and approval of the art teacher. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).



**Photography**

0.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 per class; availability of a digital camera is 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. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).

**Yearbook\***

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

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirements: None

We will be working on the yearbook layouts, photography, meeting deadlines, etc. A camera is not necessary, but would be helpful for this course. Students will have the opportunity to use Adobe Photoshop for photo editing. *\*This course will qualify for general elective credit only.*

**Graphic Design**

0.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Maximum of 10 students per semester

Additional Requirement: Fine Arts fee of \$80.00 per class

This course consists of work in drawing, design, and work in Adobe Suite. Students will experience real-life assignments. Students will work predominantly in Photoshop, Illustrator, & InDesign. The students will also have the opportunity to submit work to local businesses for jobs they have to offer, such as advertisement/poster design. Activities: Studio work. Students will participate in annual art show(s), online art gallery (artsonia.com), and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, The Bergstrom-Mahler Museum, or The Green Bay Botanical Gardens).

Possible Math Pathways at SMCHS

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



## Mathematics – Course Descriptions

### **Pre-Algebra**

1.0 Elective 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 Recommended 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 Recommended 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 freshmen only. 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, constructions, congruence, area, volume, trigonometry and geometric proofs.

### **Algebra II**

1.0 Recommended 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 Recommended 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 Recommended 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 Recommended 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.

### **AP Calculus AB**

1.0 Elective Credit – Year Long

Prerequisite – Pre-Calculus

Grade – 11, 12

Additional Requirements: TI-84 calculator; *The fee for an AP test 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 test.

### **AP Calculus BC**

1.0 Elective Credit – Year Long

Prerequisite – AP Calculus AB

Grade – 11, 12

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

Note: Summer review packet will be assigned

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**

0.5 Recommended Credit – 1 Semester

Prerequisite – Algebra II

Grades – 12

Additional Requirements: TI-84 calculator

Note: This class is offered only in the fall semester.

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**

0.5 Recommended Credit – 1 Semester

Prerequisite – Algebra II

Grade – 12

Additional Requirements: TI-84 calculator

Note: This class is offered only in the spring semester.

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.

## Physical Education – Course Descriptions

### Philosophy of Physical Education

Saint 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.

Beginning with the 2019-20 school year, 0.5 credit physical education may be fulfilled by participation in SMCHS athletics. SMCHS students may earn a half-credit of Physical Education by participating in at least four seasons of WIAA-sanctioned varsity sports, Dance Team, or Powerlifting. A student must be a full participant and finish the season in each sport, and submit a form signed by the Athletic Director upon completion of this participation to the School Counselor. A student may only earn one half credit for Physical Education and the grade given will be a "P" for Pass on the transcript. An additional semester of English, Math, Social Studies or Science must be taken in lieu of the .5 credit of physical education.





### **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.

### **Physical Fitness 9/10**

0.5 Required 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.

### **Individual Sports**

0.5 Elective Credit – 1 Semester

Prerequisite – Physical Fitness

Grades – 11, 12

The focus of this class is staying active for a lifetime while participating in individual sports. Disc golf, tennis, biking, strength and conditioning, badminton, and cross-country skiing are the units covered.

### **Team Sports**

0.5 Elective Credit – 1 Semester

Prerequisite – Physical Fitness

Grades – 11, 12

The focus of this class is staying active for a lifetime while participating in team sports. Basketball, volleyball, softball, flag football, soccer, ultimate Frisbee and team handball are the units covered.

### **CAPP 105 The Active Lifestyle**

0.5 SMCHS (2.0 UWO) Elective Credit – 1 Semester

Prerequisite – 3.25 GPA, Physical Fitness 9/10, Course Instructor Approval

Grades – 11, 12

Additional Requirements: See [CAPP Courses](#). *St. Mary Catholic students taking a CAPP class are responsible for the entire tuition, as determined by the post-secondary institution. Tuition payment is due within the first two weeks of each CAPP course.*

A contemporary examination of the effects of lifestyle, wellness & health promotion on the individual. Instruction in procedures for self-evaluation as well as an individualized exercise program for the development of health fitness. Participation in a planned program of aerobic activity is required. This course meets the two unit (cr.) physical education requirement. Textbook purchase is required.

### **Strength & Conditioning**

0.5 Elective Credit – 1 Semester

Prerequisite – Physical Fitness

Grades – 11, 12

The focus of this class is 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.



Possible Science Pathways at SMCHS

Class of 2022

Pathway 1	Pathway 2	Pathway 3
Earth Science	Earth Science	Earth Science
Biology	Biology	Biology & Chemistry
Principles of Chemistry & Physics	Chemistry	Physics or AP Physics (required)
Optional Science	Physics or AP Physics (required)	Optional Science
<u>Optional Science Courses:</u> Anatomy/Physiology AP Biology AP Chemistry Plant Biology PLTW – Intro to Engineering Design (counts as <b>General Elective Credit</b> ) PLTW – Principles of Engineering Design (counts as <b>General Elective Credit</b> ) PLTW – Aerospace Engineering (counts as <b>General Elective Credit</b> ) Zoology		

Class of 2023

Pathway 1	Pathway 2	Pathway 3
Earth Science	Earth Science	Biology
Biology	Biology	Chemistry
Principles of Chemistry & Physics	Chemistry	Physics or AP Physics (required)
Optional Science	Physics or AP Physics (required)	Optional Science
<u>Optional Science Courses:</u> Anatomy/Physiology AP Biology AP Chemistry Plant Biology PLTW – Intro to Engineering Design (counts as <b>General Elective Credit</b> ) PLTW – Principles of Engineering Design (counts as <b>General Elective Credit</b> ) PLTW – Aerospace Engineering (counts as <b>General Elective Credit</b> ) Zoology		



Class of 2024 and Beyond

Pathway 1	Pathway 2
Science 9	Biology
Biology	Chemistry
Year Long Science (required)	Physics or AP Physics (required)
Optional Science	Optional Science
<u>Additional/Optional Science Courses:</u> Anatomy/Physiology AP Biology AP Chemistry or Chemistry AP Physics or Physics Earth Science PLTW – Intro to Engineering Design (counts as <b>General Elective Credit</b> ) PLTW – Principles of Engineering Design (counts as <b>General Elective Credit</b> ) PLTW – Aerospace Engineering (counts as <b>General Elective Credit</b> ) Plant Biology (1 Semester) Zoology (1 Semester)	

Science – Course Descriptions

Students entering SMCHS who are juniors will be expected to follow 1 of 2 pathways in regards to their junior year science courses based on the recommendation of the department. Students recommended for Chemistry will be expected to take Physics their senior year to complete all requirements of the Next Generation Science Standards (NGSS). Students recommended for Principles of Chemistry & Physics will be fulfilling their science requirements by the end of their junior year and should contact their science teacher if further science classes are desired. Next year's juniors who have already taken chemistry will be expected to take physics. They may take additional science courses as recommended by the science department.

**Science 9**

1.0 Required Credit – Year Long

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.



### **Biology**

1.0 Required Credit – Year Long  
Grades – 9, 10

This course will expose the student to the basics of biology. It is a lab/lecture course, which will help students prepare for upper level biology. Emphasis will be placed on cell structure and function, heredity, genetics, evolution and ecology.

### **Anatomy/Physiology**

1.0 Elective Credit – Year Long

Prerequisite – Biology and Science GPA of 3.0, and has either completed Chemistry or is taking it 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 Elective Credit – Year Long

Prerequisite – completed Biology with a minimum of a B+ both semesters, and has either completed Chemistry or is taking it concurrently.

Grades – 10, 11, 12

Additional Requirements: *The fee for an AP test 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.

### **Principles of Chemistry & Physics**

1.0 Required Credit – Year Long (This course will fulfill the 3<sup>rd</sup> year science requirement if students are not interested in taking further science.)

Prerequisite – Teacher or Counselor recommendation

Grade – 11

This class will cover the basic principles of both chemistry and physics including some math and basic algebra skills. It is designed to delve and tie into real world chemistry while still covering some basic concepts from each discipline.

### **AP Chemistry**

1.0 Elective Credit – Year Long

Prerequisite – Chemistry & Algebra II

Grades – 11, 12

Additional Requirements: *The fee for an AP test 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.

### **Chemistry**

1.0 Required Credit – Year Long

Prerequisite – Biology and must have/be taking Algebra II (Department recommendation)

Grades – 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.



### **Plant Biology**

0.5 Elective Credit – 1 Semester

Prerequisite: Biology

Grades 11, 12

In this lab/lecture course we will explore prokaryotic organisms, fungi, and plants, including plant diversity, reproduction, and responses. We will explore plant genetics using Wisconsin Fast Plants.

### **AP Physics**

1.0 Credit – Year Long

Prerequisite – Algebra II

Grades – 11, 12

Additional Requirements: *The fee for an AP test 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.

### **Physics**

1.0 Credit – Year Long (Required if Chemistry is taken)

Prerequisite – Algebra II

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.

### **Zoology**

0.5 Elective Credit – 1 Semester

Prerequisite: Biology

Grades – 11, 12

This is a lab/lecture course for those interested in learning more about the animal kingdom, from simple organisms through complex animal behaviors. This course includes working with some live organisms as well as dissections.

## General Electives - Science Department

*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.*

### **PLTW- Introduction to Engineering Design**

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. ***This course will qualify for general elective credit only.***



### **PLTW – Principles of Engineering**

1.0 Elective Credit – Year Long

Prerequisite- Must have taken, or be currently enrolled in, Geometry; Must have taken Introduction 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. ***This course will qualify for general elective credit only.***

### **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. ***This course will qualify for general elective credit only.***

## Social Studies – Course Descriptions

### **Global Studies**

1.0 Required 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.

### **Chinese Culture: Past, Present, Future**

0.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

This course is provided to students who are interested in broadening their knowledge of the important aspects of China's cultural history and traditions. In addition, current social, cultural, and business topics are incorporated with respect to both elite and popular culture in China. Course content will include cultural awareness, business issues, current events, and future directions.

### **AP Comparative Government**

0.5 Elective Credit – 1 Semester

Prerequisite – Sophomore Standing

Grades – 10, 11, 12

Additional Requirements: *The fee for an AP test is the responsibility of the student/parent.*

This class 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 examines the diversity of political institutions, processes, and policies within countries across the world. Students will also evaluate the international geopolitical forces created and shaped by these differences. Case studies for this course are provided by the governments of China, Great Britain, Iran, Mexico, Nigeria, and Russia.



### **Human Geography**

0.5 Elective 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 Elective 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 Elective 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.

### **Modern World History**

0.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

This course examines the major turning points of the modern world from approximately 1750 to the present. Students will develop an understanding of the historic geographic, social, political and economic developments that played a fundamental role in shaping the world today.

### **United States History**

1.0 Required 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 Credit – 1 Semester

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 Elective 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 Psychology**

1.0 Elective Credit – Year Long

Prerequisite – None

Grades – 11, 12

Additional Requirements: *The fee for an AP test 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.

### **Psychology**

0.5 Elective Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

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

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

0.5 Elective Credit – 1 Semester

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

Grades – 11, 12

Additional Requirements: *The fee for an AP test 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.

## Theological Studies – Course Descriptions

Students are required to complete 8 semesters of Theological courses in order to graduate. They may choose from the following:

### **Theology IA**

0.5 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 and 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 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 what are 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 you can get a better grasp when reading them. There is no better way to get to know Jesus than encountering him in class through the Church's number one book, the Bible.

### **Apologetics**

0.5 Credit – 1 Semester

Prerequisite – Theology Department Approval Required

Grades – 10, 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.

### **Liturgy and Music**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 10, 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.

### **Morality**

0.5 Credit – 1 Semester

Prerequisite – None

Grade – 10, 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 – 10, 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.





### **World Religions**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

This course will help students develop understanding, sensitivity, and an open mind with respect to people who participate in the major religious faiths. An important assumption upon which our study rests is that each of these religious faiths is a serious search for answers to basic human questions and human needs, and that there are important lessons to be learned from the great wisdom traditions. Students will learn to identify, understand and compare key concepts in other faiths with our Catholic faith.

### General Electives - Theology Department

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

Prerequisite – Application process for entrance into class required

Grades – 9, 10, 11

Additional Requirements: A 1-week commitment during summer vacation attending Catholic Heart Work Camp. Details are provided prior to the end of the first semester. Students/parents are required to attend organizational meetings, complete related assignments if taken for course credit and must pay cost of work camp, travel, programming, food, tools and supplies, as needed. 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 others. These experiences cultivate a sense of stewardship and a realization that all are endowed with an enormous capacity of generosity and 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. *This course will qualify for general elective credit only.*

### World Languages – Course Descriptions

#### **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 (reading, writing, speaking and listening) are emphasized. The cultures, customs and geography of German-speaking countries are also explored. Good pronunciation and communication skills are emphasized. The class is conducted primarily in basic German.

#### **German II**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in 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. The class is conducted primarily in German.





### **German III**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in 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 – a grade of C or better in 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.

### **German V/CAPP 204 German**

1.0 SMCHS (5.0 UWO) Elective Credit – Year Long

Prerequisite – a grade of C or better in German IV, placement test score and/or teacher recommendation

Grade – 12

Additional Requirements: See [CAPP Courses](#). *St. Mary Catholic students taking a CAPP class are responsible for the entire tuition, as determined by the post-secondary institution. Tuition payment is due within the first two weeks of each CAPP course.*

The Level 5 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: Intermediate Structure and Expression II, 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 11 additional retroactive college credits (depending on the university) by earning a grade of B or better.**

### **Mandarin I**

1.0 Elective Credit – Year Long

Grades – 9, 10, 11, 12

Prerequisite – none.

This is an introductory course to the Mandarin Chinese language. Students will develop basic conversational skills and proficiency in reading and writing about 150 Chinese characters. The relationship between language and culture with an emphasis on the business environment will be stressed throughout. The class is conducted in English and Mandarin.



### **Mandarin II**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Mandarin I, placement test score and/or teacher recommendation.

Grades – 9, 10, 11, 12

The second year of Mandarin includes a brief review of the elements taught in first year and continuation of first-year work with emphasis on further development of the four basic language skills. Students continue to expand their understanding of Chinese culture, history and geography. Writing and speaking skills are stressed. The relationship between language and culture with an emphasis on the business environment will be stressed throughout. The class is conducted primarily in Mandarin.

### **Mandarin III**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Mandarin II, placement test score and/or teacher recommendation.

Grades – 10, 11, 12

The third year of Mandarin class will start with a systematic review of the first two years language learning and the class will be continued with enlarging the vocabulary and learning more complicated sentence patterns. By the end of this course, students are required to be able to use Mandarin to carry simple conversations with native speakers; to be able to express their thoughts in simple sentences; to be able to retell simple stories; to be able to read simple stories within 20 words. The class is conducted primarily in Mandarin.

### **Mandarin IV**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Mandarin III, placement test score and/or teacher recommendation.

Grades – 11, 12

Mandarin IV is an intermediate to high-level Mandarin language course. The purpose of this course is to bring the student's Mandarin language skills to a more advanced level. The course covers a wide range of materials in terms of vocabulary, grammar, listening, speaking and writing skills. Students will be able to translate from Chinese to English and English to Chinese and write simple compositions with proper grammar, and to read simple text of 50 or more words. The class is conducted in Mandarin.

### **Mandarin V**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Mandarin IV, placement test score and/or teacher recommendation.

Grades – 11, 12

Mandarin V is a high-level Mandarin language course. The course covers a wide range of materials in terms of vocabulary, grammar, listening, speaking and writing skills. Students will be able to translate from Chinese to English and English to Chinese and write simple compositions with proper grammar. Students will also be able to read simple text of 80 or more words. The class is conducted in Mandarin.

### **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 – a grade of C or better in 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. The focus of cultural content is Madrid, Spain.

### **Spanish III**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in 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 subjunctive mood and its verb tenses and usage. In addition, students will continue to read, practice conversation and improve their writing skills. The focus of cultural content is Spain and various Hispanic holidays. The class is conducted primarily in Spanish.

### **Spanish IV**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Spanish III and/or teacher recommendation

Grades – 11, 12

The Spanish 4 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.

### **Spanish V**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Spanish III and/or teacher recommendation

Grades – 11, 12

The Spanish 5 class seeks to enhance students' proficiency in Spanish.

Since all students have learned the major components of Spanish grammar, grammatical emphasis will be reviewed in the beginning of the year, and then will be on an "as needed" basis. A variety of learning activities will be utilized in order to develop the four language skills. These may include but are not limited to the use of Spanish soap-operas, listening activities from Spanish radio stations, level appropriate readers and a novel, oral presentations in Spanish, and the use of technology. Homework assignments as well as active class participation in Spanish are integral parts of this course. This course will continue to fine-tune students' skills of listening, speaking, reading, and writing while exploring Spain and Latin America. This course also enables students to use previously mastered material on a daily basis as they read and speak about a variety of topics and literature. Students will be assessed using a variety of methods including: oral/aural assignments, presentations, dialogues, short compositions, and other displays. This class is conducted in Spanish and students are expected to participate using the target language.



### **AP Spanish Language and Culture**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Spanish III and/or teacher recommendation

Grades – 11, 12

Additional Requirements: *The fee for an AP test is the responsibility of the student/parent.*

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.

### **AP Spanish Literature and Culture**

1.0 Elective Credit – Year Long

Prerequisite – a grade of C or better in Spanish III and/or teacher recommendation

Grades – 11, 12

Additional Requirements: *The fee for an AP test is the responsibility of the student/parent.*

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.

## Blended Education – Arrupe Virtual Learning Institute (AVLI)

**Blended Education:** The following course options allow SMCHS students to pursue interests that will help them grow to be their personal best. Beyond challenging course content, a blended education experience fosters important life skills, and provides opportunities to learn with students from Catholic schools across North America. Blended education courses will help students develop time management skills, discipline, self-advocacy, and more. Enrolling in blended education courses helps students mature into independent learners that will serve them well in college and beyond.

**Course Management:** Courses are designed around a series of learning modules that students complete according to a schedule laid out by the teacher. Students will primarily work independently, but they will proceed as a class from one module to the next. Though the delivery will be different, just like the traditional classroom there will be lectures, discussions, projects, reading assignments, and more. Much of the work is done utilizing learning tools (discussion boards, blogs, wikis, group projects) that depend on active participation. There will also be occasions when students gather online synchronously (i.e. at the same time) to collaborate, share perspectives, and/or receive live instruction. These synchronous sessions generally occur around once a week in the evening or on weekends according to a schedule set by the teacher.

**Classmates:** Classmates will be young men and women from other Catholic schools across North America. The courses are meant to be interactive experiences. As such it is the shared responsibility of all of the class' participants, both students and teacher, to build a rich learning community.

**Advanced Placement (AP):** AP testing is coordinated through St. Mary Catholic High School.

**Creighton University Dual Credit Option:** The dual credit partnership with Creighton University whereby 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 option of applying for credit for an additional fee of **\$110 paid to the University**.

**Cost:** The payment for blended education courses is made to SMCS.

Year-long course- \$440.00

Semester Course- \$300.00

\*Students will be required to purchase/rent textbooks for the courses.

### AVLI Blended Education 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 Microeconomics	AP Macroeconomics
AP Computer Science	Biochemistry, Introduction to	Astronomy: An Introduction
AP Environmental Science	Bioethics: Navigating the Ethical Dilemmas of our Future	Bioethics: Navigating the Ethical Dilemmas of our Future
AP Music Theory	C++ Programming	Catholic Authors
AP Statistics	Model United Nations/International Relations (MUNIR)	Computer Game Development
AP World History	Multimedia Authorship	Computer Science Principles
Italian Level I	Powered By: The Science of Energy	Database Development for Real World Problems
Italian Level II		Genocide and the Holocaust
Latin Level I		J.R.R. Tolkein: A Gamified Journey Through Middle Earth
Latin Level II		Statistical Reasoning in Sports
Linear Algebra		Today's Latin America
Multivariable Calculus		

### AVLI Blended Education Course Descriptions – Year Long Courses

#### AP Art History

1.0 Elective Credit – Year Long

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$440 plus textbook

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.

#### AP Computer Science

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

Prerequisite – Students should have successfully completed one course in a programming language such as C, C++, Visual Basic .Net, or Java. Moreover, students should know how to edit, compile, and run a program.

Grades – 11, 12

Additional Requirement: \$440 plus textbook

This course is a college 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.



### **AP Environmental Science**

1.0 Elective Credit – Year Long

Prerequisite – Chemistry and Biology

Grades – 11, 12

Additional Requirement: \$440 plus textbook

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. Labs will be coordinated with the student's brick-and-mortar school. In the spring, students will be eligible to take the AP Environmental Science Exam offered by the College Board at their school.

### **AP Music Theory**

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

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$440 plus textbook

This course corresponds to the introductory college music theory class. Topics to be covered include musicianship, reading and writing musical notation, musical materials, and procedures. The course sequence involves aural skills, sight-singing, melodic and rhythm dictation, aspects of melody, keyboard harmony, musical form analysis, and elementary composition. The goal is to develop the ability to recognize, understand and describe basic materials and processes of music that are heard or presented in a musical score. Students who complete this course are encouraged and eligible to take the AP Music Theory examination in the spring.

### **AP Statistics**

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

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$440 plus textbook

Course Listing: Dual Credit Eligible through Creighton University

This course prepares students to take the Advanced Placement national examination in elementary statistics. It develops an intuitive, non-calculus-based understanding with an emphasis on doing statistics. Statistics makes 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.

### **AP World History**

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

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$440 plus textbook

AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from approximately 8000 B.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; Development and transformation of social structures.





### **Italian Level I**

1.0 Elective Credit – Year Long

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirement: \$440 plus textbook

Introduction to the basics of conversational Italian, including nouns, regular and irregular verbs, and basic conversations from Italian to English and English to Italian. This course will be team taught with by an Italian teacher in the United States and an English teacher in Italy. Students will communicate in Italian with native speakers in Italy. Successful completion of Italian 1 is a prerequisite for admission into Italian 2.

### **Italian Level II**

1.0 Elective Credit – Year Long

Prerequisite – Italian Level I

Grades – 10, 11, 12

Additional Requirement: \$440 plus textbook

Italian Level 2 builds on the grammar, writing, and conversational skills established in Italian Level I.

### **Latin Level I**

1.0 Elective Credit – Year Long

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirement: \$440 plus textbook

In this introductory course, students will learn the basic elements of Latin grammar, syntax, and vocabulary. Students will also study the Latin-based etymological roots of common English word families and selected topics from Roman history, culture, and mythology. By the end of the course, students will be able to read short, authentic Latin texts and write original Latin sentences using basic Latin grammar and vocabulary.

### **Latin Level II**

1.0 Elective Credit – Year Long

Prerequisite – Latin Level I

Grades – 10, 11, 12

Additional Requirement: \$440 plus textbook

Latin Level 2 builds on the grammar, syntax, and vocabulary skills established in Latin Level I.

### **Linear Algebra**

1.0 Elective Credit – Year Long

Prerequisites – High Performance in both Honors Algebra 2 and Honors Geometry

Grades – 11, 12

Additional Requirement: \$440 plus textbook

This course will cover the essentials of linear algebra. Topics covered will include matrix arithmetic, systems of equations, the determinant function, vectors in  $R^2$  and  $R^3$ , general vector spaces, eigenvalues and vectors, and linear transformations.



### **Multivariable Calculus**

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

Prerequisite – AP Calculus BC

Grades – 11, 12

Additional Requirement: \$440 plus textbook

This course will focus on the study of fundamental theorems and applications of multivariable calculus, extending the calculus of one-dimension studied in AP Calculus BC to Euclidean spaces of arbitrary dimension. The course will begin with careful consideration of vectors in  $R^n$  and then move on to the theory of partial derivatives and vector fields. Multiple Riemann integrals and their applications will be covered in term 2, as well as important theorems of vector calculus including the theorems of Green, Gauss, and Stokes. In particular, 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 will allow students to see more clearly how multivariable calculus is a beautiful generalization of single-variable calculus.

## AVLI Blended Education Course Descriptions – Fall Semester

### **AP Microeconomics**

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

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$300 plus textbook

How should faithful Catholics think about economics? This course integrates selected themes from the Neoscholastic School of economics with the content of the Advanced Placement economics syllabus in microeconomics. The course prepares students to do well on the AP Microeconomics exam as well as 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. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the University of Salamanca in Spain 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.

### **Introduction to Biochemistry **NEW****

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

This course provides an overview of the main aspects of biochemistry, especially as related to human biology. Topics will include biochemical processes in the context of chemical principles, protein function including enzyme kinetics, the characterization of major metabolic pathways, fundamentals of molecular biology.

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

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

This course is a general introduction to ethical theory and reasoning and its application to a number of hot current world issues, with particular emphasis on bioethics (moral dilemmas of modern biological and medical fields). It begins by addressing the question, why do ethics and moral decision-making matter at all in a world we see operating so frequently without them? It surveys major ethical paradigms (common-good ethics, rights ethics, virtue ethics, and ethical relativism) and considers how each can help and hinder our pilgrimage to responsible, life giving choices for us and for our larger human family. Respectful consideration of opposing viewpoints, including the official teachings of the Catholic Church, is a hallmark of the course. By the end of the course, students should be able to manage some real cases on a committee of fellow ethicists using the vocabulary germane to ethicists in hospitals today.





### **C++ Programming**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$300 plus textbook

This course will introduce students to computer programming using the C++ programming language. C++ is a programming language used in many applications, across many different industries. Through this course, students will learn the basic syntax necessary to write a computer program. They will learn 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 a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much-needed life skill.

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

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

*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 the two—that is, using the Model UN platform to examine the state of *International Relations* today, you have an interesting, intriguing, 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. Several seminars encourage students to participate in online discussion to resolve, or perhaps merely to understand better, an issue. Since committee work is such a vital part of the course, significant online interaction via email, video conferencing, or texting is a must for success. Simulations are based on the United Nations format.

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

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

This course aims primarily to develop communication skills through student expression of his or her 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 the students to a mastery of the concepts and technical skills the composition requires. In order to fully participate in the class, the student must have a computer (Mac or Windows) on which he or she can install new programs. They will also need access to a digital camera. The semester will culminate with each student producing an original, substantive multimedia project on a topic of the student's choice.



**Powered By: The Science of Energy NEW**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

This course introduces students to the science that underscores the challenges of producing energy for tomorrow. Topics discussed in this course include but are not limited to thermodynamics, electromechanical energy conversion, and the challenges of energy transportation. We will then explore various energy sources including traditional fossil fuels, solar, geothermal, nuclear, and wind energy.

## AVLI Blended Education Course Descriptions – Spring Semester

**AP Macroeconomics**

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

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$300 plus textbook

How should faithful Catholics think about economics? This course integrates selected themes from the Neoscholastic School of economics with the content of the Advanced Placement economics syllabus in macroeconomics. The course prepares students to do well on the AP Macroeconomics exam as well as 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. It is based on insights from Aristotle, St. Augustine, St. Aquinas, the Jesuit and Franciscan theologians at the University of Salamanca in Spain 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.

**Astronomy: An Introduction**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

At some point in our lives, each of us has gazed at the night sky in awe of its sheer magnitude. While we have learned much about our planet and its relationship to other celestial bodies, in many ways, the cosmos is the last great frontier. But how did it come to be? How large is it? How much do we know about the universe versus what remains to be discovered? This course provides an introduction to the solar system, stars, the interstellar medium, the galaxy, and the universe. 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. Please note that Astronomic principles are grounded in Physics (which is largely grounded in Mathematics). Though students need not have studied Physics previously, they should be prepared to work within this discipline.



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

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

This course is a general introduction to ethical theory and reasoning and its application to a number of hot current world issues, with particular emphasis on bioethics (moral dilemmas of modern biological and medical fields). It begins by addressing the question, why do ethics and moral decision-making matter at all in a world we see operating so frequently without them? It surveys major ethical paradigms (common-good ethics, rights ethics, virtue ethics, and ethical relativism) and considers how each can help and hinder our pilgrimage to responsible, life giving choices for us and for our larger human family. Respectful consideration of opposing viewpoints, including the official teachings of the Catholic Church, is a hallmark of the course. By the end of the course, students should be able to manage some real cases on a committee of fellow ethicists using the vocabulary germane to ethicists in hospitals today.

### **Catholic Authors **NEW****

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

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, Day, 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 celebrate our rich literary heritage through individual and group projects and presentations.

### **Computer Game Development**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$300 plus textbook

This course explores the process of game development, the principles of game design, styles/genres of computer games, techniques for game software engineering, and information about the computer game industry. Emphasis will be on pragmatic advice for game designers, together with techniques for game balance and analysis. Students will design and playtest a game as a course project. Group work is emphasized, especially the importance of collaboration between technical and artistic efforts. Students are expected to participate in game development using appropriate game development tools.

### **Computer Science Principles**

0.5 Credit – 1 Semester

Prerequisite – None

Grade – 9 recommended, but open to grades 10, 11, 12

Additional Requirement: \$300 plus textbook

This course will introduce students to a wide array of important computer science topics. It is hoped that students will learn the ideas and practices of computational thinking, and also how computers are impacting the world around us. Topics that will be covered include basic computer vocabulary, bits and bytes, programming, abstraction, internet and networking. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in a group of 3 and will work together to meet the objectives of the module. Collaborating with other students is essential to success of students in this course, as well as a much-needed life skill.



### **Database Development for Real World Problems**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$300 plus textbook

This course introduces students to Microsoft Access in order to teach database and programming concepts and will show how to use Access as a real-world problem-solving tool through the building of an actual database. Access is part of the Microsoft suite and allows you to organize, manage, collect, analyze, and report on data using ‘objects’ within Access that you learn to design and build. Students will organize and develop a database throughout the course based on an idea from their school or personal life. Past students have built databases on topics as wide ranging as tracking and rating recipes, entering college applications and showing college acceptance/financial aid, and rankings of different brands and types of audio headphones.

### **Genocide and the Holocaust**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

This course takes a look 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.

### **J. R. R. Tolkien: A Gamified Journey Through Middle Earth **NEW****

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

Additional Requirement: \$300 plus textbook

This course is structured like a game, and so is game-driven. We will journey through Middle-earth to engage with the opposing forces of Good and Evil, and the subtle borders that separate them, in one of the twentieth century’s most influential works of fiction: The Lord of the Rings by JRR Tolkien. To do this, we will take an interdisciplinary approach, using the tools of History, Literature, and Theology. Each day, students can expect to be doing one of three tasks: listening to a video lecture from the teacher, reading from Tolkien’s novel and supplementary texts, or writing about their findings. Through forum discussions, we will grapple with the multiple iterations of Good and Evil we find on our journey, and together we will become the historians, literary scholars, and theologians of Middle-earth.

### **Statistical Reasoning in Sports**

0.5 Credit – 1 Semester

Prerequisites – Algebra I and II

Grades – 11, 12

Additional Requirement: \$300 plus textbook

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 high school, amateur, and professional sports. In our data-saturated world, citizens 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. A culminating activity will include applying course concepts by analyzing data from a selected school sport activity, assuming approval from school administration and coaching staff.



### **Today's Latin America**

0.5 Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Additional Requirement: \$300 plus textbook

The goal of this Latin American Studies course is that students obtain a better understanding of the realities within the region. From a comparative analysis and critical perspective, students will identify similarities, parallelisms, and differences of the countries' common origins, confluences of historical processes, and the challenges of social and political issues facing globalization. Topics include Latin American historical backgrounds, culture, identity, economics, and politics.

## Distance Learning – Course Descriptions

### **American Sign Language I**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 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. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

### **American Sign Language II**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 plus textbook

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. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

### **Architecture 100**

0.5 SMCHS Elective Credit – 1 Semester (college credit will be awarded if the student matriculates to UW- Milwaukee School of Architecture)

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – TBD

This is an online course for AP level students who are interested in Architecture and want to get an early start on college. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

### **Architecture 103**

0.5 SMCHS Elective Credit – 1 Semester (college credit will be awarded if the student matriculates to UW- Milwaukee School of Architecture)

Prerequisite – Counseling Department Approval & Architecture 100

Grades – 11, 12

Cost – TBD

This is the second online course for AP level students who are interested in Architecture and want to get an early start on college. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*



### **Career Planning NEW**

0.5 SMCHS (1.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval; must be taken with College 101

Grades – 11, 12

Cost – \$155 plus textbook

Learn how personal branding allows candidates to differentiate themselves from the competition through appearance, personality, and marketing competency. Career portfolio introduced. Corequisite College 101. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

### **College 101**

0.5 SMCHS (1.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$155 plus textbook

This course helps students develop tools and strategies that support success in college. Focuses on study skills, college resources, goal setting, time management, and learning styles. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

### **Culture of Healthcare**

0.5 SMCHS (2.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$310 plus textbook

This course prepares students to work in the healthcare environment as part of a healthcare team. They will investigate the healthcare community, patient privacy standards, and the professional behavior that is expected in today's medical community. Students 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. *This class is recognized by SMCHS as an elective. However, 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.*

### **Developmental Psychology**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 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. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*





**Digital Literacy for Healthcare**

0.5 SMCHS (2.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$310 plus textbook

This course will explore the use of the electronic health record, the role of social media in health care communication, the uses of wearable technologies that monitor activity and heart rate, the use of data to manage population health, and the impact of new developments on the healthcare workforce. *This class is recognized by SMCHS as an elective. However, 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.

**ECE: Child Development NEW**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 plus textbook

This course examines child development within the context of the early childhood education setting. Course competencies include: integrate strategies that support diversity, cultural responsiveness, and anti-bias perspectives; analyze social, cultural, and economic influences on child development; summarize child development theories; analyze development of children ages three through five; analyze development of children ages five through eight; relate child development research findings to teaching practice; analyze the role of heredity and the environment; examine the role of brain development in early learning (ages 3-8); examine developmental and environmental assessment strategies for children ages 3-8. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

**NOTE:** Students may earn an Early Childhood Licensing Pathway Certificate for Ages 0-2 and Ages 3-8 through NWTC if they take additional coursework. Please visit the [NWTC website](#) for details.

**ECE: Health Safety and Nutrition NEW**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 plus textbook

This course examines the topics of health, safety, and nutrition within the context of the early childhood educational setting. Course competencies include: integrate strategies that support diversity, cultural responsiveness, and anti-bias perspectives; examine governmental regulations and professional standards as they apply to health, safety, and nutrition; plan a safe early childhood environment; plan a healthy early childhood environment; plan nutritionally sound menus; examine child abuse and neglect issues and mandates; describe Sudden Infant Death Syndrome (SIDS) risk reduction strategies, describe strategies to prevent the occurrence of Shaken Baby Syndrome (SBS); incorporate health, safety, and nutrition concepts into the children's curriculum. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

**NOTE:** Students may earn an Early Childhood Licensing Pathway Certificate for Ages 0-2 and Ages 3-8 through NWTC if they take additional coursework. Please visit the [NWTC website](#) for details.





**Horticulture Introduction NEW**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 plus textbook

Explore the horticulture industry, plant culture, identification, propagation, physiology, selected aspects of horticulture industry including fruits, vegetables, ornamentals, greenhouse systems, landscape techniques, home gardens, and turf. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

**Introduction to Counseling NEW**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 plus textbook

This course emphasizes the application of counseling skills and techniques within a client/counselor relationship. Interviewing skills are studied and developed which should be used in a variety of occupational roles. The course is taught from the standpoint of a clinical relationship and skills are developed along those lines. Students will get basic experience in assessment of potential problem areas, as well as participation in numerous role-plays. Apply reflective practitioner techniques. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

**Introduction to Ethics: Theory & Application**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 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. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

**Introduction to Law Enforcement NEW**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 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 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. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*



### **Introduction to Sociology**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 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.

*This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

### **Medical Terminology**

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 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. *This class is recognized by SMCHS as an elective. However, 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 **NEW****

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 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. *This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*

### **Website Coding **NEW****

0.5 SMCHS (3.0 NWTC) Elective Credit – 1 Semester

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – \$465 plus textbook

Students will write code for functionality and design of web page text, hyperlinks, images, forms, tables, and frames using (X)HTML, XML and CSS. They will apply coding standards and test browser function and user accessibility.

*This class is recognized by SMCHS as an elective. However, post-secondary institutions may vary in how this class fulfills their requirements.*



**FVTC Dual Enrollment – Automotive Maintenance and Light Repair Program**

Prerequisite – Counseling Department Approval

Grades – 11, 12

Cost – TBD

Students will gain critical experience leading to accelerated entry into their choice of six Automotive Technology degree programs; exposure to FVTC's Asian Import and GM ASEP programs; training in state-of-the-art automotive technology labs; and development of critical industry professionalism skill through a series of courses scheduled senior year or junior and senior years.



Four Year Planner

Grade 9		1st Sem	2nd Sem	Credit		Grade 10		1st Sem	2nd Sem	Credit
1	Theology	0.5	0.5	1	1	Theology	0.5	0.5	1	
2	English	0.5	0.5	1	2	English	0.5	0.5	1	
3	Math	0.5	0.5	1	3	Math	0.5	0.5	1	
4	Science 9 or 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	Physical Education (Health/Business/Fine Art)				6	Physical Education (Health/Business/Fine Arts)				
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>				
Grade 11		1st Sem	2nd Sem	Credit		Grade 12		1st Sem	2nd Sem	Credit
1	Theology	0.5	0.5	1	1	Theology	0.5	0.5	1	
2	English				2	English				
3	U.S. History				3	Government				
4	Science				4					
5	Math				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>				

Credits required for graduation include: Business & Information Technology (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)



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Theology IB **NEW**  
Apologetics  
Liturgy & Music  
Morality  
Sacraments  
World Religions  
Christian Discipleship

**World Languages (pp 32-36)**

German I  
German II  
German III  
German IV  
AP German V/CAPP 204 German  
Mandarin I  
Mandarin II  
Mandarin III  
Mandarin IV  
Mandarin V  
Spanish I  
Spanish II  
Spanish III  
Spanish IV  
Spanish V  
AP Spanish Language & Culture  
AP Spanish Literature & Culture

**Blended Education Courses (pp 36-42)**

Year long:

- AP Art History
- AP Computer Science
- AP Environmental Science
- AP Music Theory
- AP Statistics
- AP World History
- Italian Level I & II
- Latin Level I & II
- Linear Algebra
- Multivariable Calculus

Fall Semester:

- AP Microeconomics
- Introduction to Biochemistry **NEW**
- Bioethics: Navigating the Ethical Dilemmas of our Future
- C++ Programming
- Model United Nations/International Relations (MUNIR)
- Multimedia Authorship **NEW**
- Powered By: The Science of Energy **NEW**

**Blended Education Courses continued (pp 42-45)**

Spring Semester:

- AP Macroeconomics
- Astronomy: An Introduction
- Bioethics: Navigating the Ethical Dilemmas of our Future
- Catholic Authors **NEW**
- Computer Game Development
- Computer Science Principles
- Database Development for Real World Problems
- Genocide and the Holocaust
- J.R.R. Tolkein: A Gamified Journey Through Middle Earth **NEW**
- Statistical Reasoning in Sports
- Today's Latin America

**Distance Learning Courses (pp 45-50)**

American Sign Language I  
American Sign Language II  
Architecture 100  
Architecture 103  
Career Planning **NEW**  
College 101  
Culture of Healthcare  
Developmental Psychology  
Digital Literacy for Healthcare  
ECE: Child Development **NEW**  
Intro to Counseling **NEW**  
Intro to Ethics: Theory & Application  
Intro to Law Enforcement **NEW**  
Introduction to Sociology  
Medical Terminology  
Private Investigation Tactics **NEW**  
Website Coding **NEW**

**FVTC Dual Enrollment (p 50)**

FVTC Automotive Maintenance & Light Repair Program