

St. Mary Catholic Schools

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Course Selection Guide

2024-2025

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St. Mary Catholic High School

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*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

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

Vision Statement

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

Commitment to Faith

*Faith and worship opportunities are vital to the mission of
St. Mary Catholic High School. To foster this goal, we
celebrate 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*
<u>Theological Studies</u>	<u>4.0</u>
Total <i>Required</i> Course Credits	20.0
<i>Elective</i> Course Credits	+7.0**
Total Graduation Credits	27

* 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.

Beginning with the 2024-25 school year, students enrolled in SMCHS AP classes and CAPP classes will be on the weighted scale. All other SMCHS classes and AP virtual/online/distance learning classes will be on the traditional scale.

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

F **Failed class:** no credit given, grade point value given

P **Passed class:** credit given, no grade point value given

R **Retaking class:** no credit or grade point value given, value not calculated for valedictorian/salutatorian

WF **Withdrew with failing grade:** no credit or grade point value given

WP **Withdrew with passing grade:** no credit or grade point value given



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 pin if he or she maintains a GPA of 3.5 or above for five consecutive semesters.

After receiving an academic letter AND an academic pin, a student may receive an academic medal 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 exam is the responsibility of the student/parent.***

Online Learning Courses

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

UWO CAPP Courses

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

Distance Learning Courses

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



Independent Study Courses (Pre-Approval Required)

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

Wisconsin Youth Apprenticeship Program

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

WISCONSIN CERTIFICATE OF GLOBAL COMPETENCE (CGC)

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

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

FEES FOR THE 2024-25 SCHOOL YEAR

Fine Arts (Band, Choir, Art, and Drama)	\$80 per some classes
Freshmen Fee	\$25
Graduation (seniors)	\$85
J Term	\$75 plus trip costs if applicable
Retreats	\$30
Testing Grades 9 - 11	\$20
AP/Online Learning/UWO CAPP/DL 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, and assists students during regular classroom work time and in study halls, as well as during non-instructional time and before and after school.

COUNSELING DEPARTMENT

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



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

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

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

PLANNING FOR COLLEGE

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

DROP/ADD A COURSE

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

Business & Information Technology – Course Descriptions

Computer Applications

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

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

Introduction to Business

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

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



Accounting

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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

Introduction to Marketing

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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

Introduction to Investing **NEW**

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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

Personal Finance

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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

Advanced Personal Finance

0.5 Business/IT Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

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.

General Electives – Academic Skills

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

UWO CAPP 125 – Learning Strategies for College Success

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

Prerequisite – 2.75 GPA or Instructor Written Recommendation

Grade – 12

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

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

Possible English Pathways at SMC

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



English – Course Descriptions

English 9

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

Prerequisite – None

Grade – 9

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

Honors English 9

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

Prerequisite – 8th 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 English Credit – Year Long (Oral & Written or Honors Oral & Written is required)

Prerequisite – English 9 or Honors English 9

Grade – 10

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

Honors Oral and Written Composition 10

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

Prerequisite – Departmental Approval

Grade – 10

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

American Literature

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

Prerequisite – None

Grade – 11

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



AP Language and Composition

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

Prerequisite – Departmental Approval

Grades – 11, 12

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

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

UWO CAPP 111 Introduction to Public Speaking

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

Prerequisite – 2.75 GPA or Instructor Written Recommendation

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

Cost: \$330 – Fees will be billed to tuition accounts. Fee reduction available to students who qualify for F/R.

This course is designed to help the student gain better command of the rhetorical canons, including conceptual design; evidence and logical, emotional, and ethical argumentation; organization skills; clear, correct, and appropriate language; and vocal and visual presentation. Formats include narrative, informative, problem-solution, argumentative, and special occasion public speaking. Focus also is upon gaining better control of stage fright. A textbook purchase is required.

Creative Writing

0.5 English Credit – 1 Semester

Prerequisite – None

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

This course is designed for students who enjoy writing in many different genres. Students have the opportunity to write different types of poetry, short stories, fiction and non-fiction, as well as create a high school memory book.

AP Literature and Composition

1.0 English Credit – Year Long

Prerequisite – Departmental Approval

Grades – 12

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

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

World Literature

1.0 English Credit – 1 or 2 Semesters

Prerequisite – None

Grade – 12

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



Fine Arts – Music & Drama – Course Descriptions

Audio/Video/Music Production

.5 Fine Art 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, this class is for you! Inside this project-based class you will get hands-on experience recording, editing, and publishing both music and video. You will work with GarageBand, Soundtrap, and iMovie to create music, videos, commercials, live recording and more!

Choreography NEW

0.5 Fine Art Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

In this course, students will work through a series of assignments and projects throughout the semester that will ask them to choreograph various pieces. Students will study different dance styles and genres while working on their own choreography and dance abilities. Students will also explore how lighting and space can enhance dance pieces.

Concert Band

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

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$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.

Directing NEW

0.5 Fine Art Credit – 1 Semester

Prerequisite – Intro to Acting (*Acting I fulfills this requirement*)

Grades – 9, 10, 11, 12

In this course students will learn stage combat, make props, and learn theater history. They will learn how to direct other students in short plays/scripts as well as create and direct a commercial. Throughout the semester students will play acting games and practice the audition process. Assignments and assessments will be given throughout the semester to measure progress and understanding.

Intro to Acting NEW

0.5 Fine Art Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

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



Musical Theater Dance NEW

0.5 Fine Art Credit – 1 Semester

Prerequisite – None

Grades – 9, 10, 11, 12

Do you enjoy musical theater style dance? Then this class is for you! Students will be learning choreography from various shows throughout the semester such as; Hamilton, Grease, and Cats. Students will learn the dances step-by-step and practice auditioning them once we've learned and practiced them. This is a perfect opportunity for students to build their dance skills and practice dance auditions while having lots of fun!

St. Mary Singers

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

Prerequisite – None

Grades – 9, 10, 11, 12

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

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

Song Writing I

0.5 Fine Art Credit – 1 Semester

Prerequisite – Audio/Video/Music Production

Grades – 9, 10, 11, 12 (*Grade 9 with instructor approval*)

Students will dive deeper into what was learned in Audio/Video/Music Production, with a bigger emphasis on your own music creation. Students will gain more experience with music theory and how it relates to songwriting, collaborate with other students to create songs together in addition to creating songs on their own. They will be pushed outside of their comfort zones to incorporate elements of music, and to write music in other genres to further enhance their songwriting ability.

Theater Performance NEW

0.5 Fine Art Credit – 1 Semester

Prerequisite – Intro to Acting (*Acting I fulfills this requirement*)

Grades – 9, 10, 11, 12

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



Fine Arts – Visual Art – Course Descriptions

Introduction to Art

0.5 Fine Art 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. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).

Drawing and Painting I

0.5 Fine Art Credit – 1 Semester

Prerequisite – Introduction to Art

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

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

This course consists of two-dimensional work in drawing with various materials, including graphite, charcoal, pastels, ink, and painting in either acrylic or watercolor. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).

Photography

0.5 Fine Art Credit – 1 Semester (May be taken up to 3 semesters)

Prerequisite – None

Grades – 9, 10, 11, 12

Additional Requirements: Fine Arts fee of \$80.00 per class; availability of a digital camera is encouraged, but not required. A DSLR is preferred; however, any good quality digital camera may be used. Optional Materials: Tripod and remote shutter.

Students will become familiar with the equipment and techniques of the photographer and will learn to think like an artist while using this 21st Century tool. Indoor and outdoor shooting is included. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).



Drawing and Painting II

0.5 Fine Art 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 artist progresses, the drawing and painting challenges may be fewer but will be more complex. Students will begin to explore their own ideas from the basic knowledge accrued in Drawing and Painting I.

Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).

Drawing and Painting III

0.5 Fine Art 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. The student will determine the curriculum, with the advice and approval of the art teacher. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).

Graphic Design

0.5 Fine Art 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 and design digitally. Students will experience real-life assignments, including cover design, t-shirt design, and poster design. Students will work predominantly with Apple iPads using the app ProCreate. The students will also have the opportunity to submit work to local businesses for potential use in advertisements/poster designs. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).

Sculpture I

0.5 Fine Art Credit – 1 Semester

Prerequisite – Introduction to Art

Grades – 10, 11, 12

Additional Requirement: Fine Arts fee of \$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, paper, cardboard, recycled materials, and fabric. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).



Sculpture II

0.5 Fine Art 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 is a continuation of the three-dimensional art studio path. As the artist progresses, the sculpture challenges may be fewer but will be more complex. Students will begin to explore their own ideas from the basic knowledge accrued in Sculpture I. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).

Sculpture III

0.5 Fine Art 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. The student will determine the curriculum, with the advice and approval of the art teacher. Critiques will be a part of the learning experience and students will learn how artists formulate their ideas.

Activities: Studio work. Students will participate in annual art show(s), online art galleries, the Big East Art Conference, and potential field trips (Art Institute of Chicago, The Milwaukee Art Center, or The Green Bay Botanical Gardens).

AP 2-D Art and Design

1.0 Fine Art Credit – Year Long

Prerequisite – Drawing & Painting III

Grades – 11, 12

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

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

AP 3-D Art and Design

1.0 Fine Art Credit – Year Long

Prerequisite – Sculpture III

Grades – 11, 12

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

In this course students will develop their 3-D skills in materials and processes, such as sculpture, architectural rendering and models, metal work, ceramics, glass work, and others. Students are responsible for creating a list of ideas and guiding questions that will structure their development of understanding and skills, enabling them to connect what they learn with prior knowledge and experiences. Students will create artwork that reflects their own ideas and skills to showcase what they have learned.



AP Drawing

1.0 Fine Art Credit – Year Long
Prerequisite – Drawing & Painting III
Grades – 11, 12

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

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

Possible Math Pathways at SMCHS

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

Mathematics – Course Descriptions

Pre-Algebra

1.0 Math Credit – Year Long
Prerequisite – None
Grade – 9, 10

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

Algebra I

1.0 Math Credit – Year Long
Prerequisite – None
Grades – 9, 10

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



Honors Geometry

1.0 Math Credit – Year Long

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

Grades – 9, 10

Additional Requirements: Compass and protractor

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

Algebra II

1.0 Math Credit – Year Long

Prerequisite – Geometry

Grades – 10, 11, 12

Additional Requirements: TI-84 calculator

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

Geometry

1.0 Math Credit – Year Long

Prerequisite – Algebra 1

Grades – 10, 11, 12

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

Honors Algebra II

1.0 Math Credit – Year Long

Prerequisite – Geometry grade of A or B with teacher recommendation

Grades – 10, 11, 12

Additional Requirements: TI-84 calculator

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

Pre-Calculus

1.0 Math Credit – Year Long

Prerequisite – Algebra II

Grades – 11, 12

Additional Requirements: TI-84 calculator

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

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



AP Calculus AB

1.0 Math Credit – Year Long

Prerequisite – Pre-Calculus

Grade – 11, 12

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

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

AP Calculus BC

1.0 Math Credit – Year Long

Prerequisite – AP Calculus AB

Grade – 11, 12

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

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

Algebra III

1.0 Math Credit – Year Long

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

1.0 Math Credit – Year Long

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.

PE Sport Waiver

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 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 Physical Education Credit – 1 Semester (may be taken once in grade 9 and once in grade 10)

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.

Lifetime Sports & Activities

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

Prerequisite – None

Grades – 11, 12

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



Strength & Conditioning

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

Prerequisite – Physical Fitness 9/10

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.

UWO CAPP 105 The Active Lifestyle

0.5 SMCHS Physical Education Credit (2.0 UWO CAPP Credit) – 1 Semester

Prerequisite – 0.5 credit of PE completed, 2.75 GPA or Instructor Written Recommendation

Grades – 11, 12

Cost: \$220 – Fees will be billed to tuition accounts. Fee reduction available to students who qualify for F/R.

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.

Possible Science Pathways at SMCHS

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

Science – Course Descriptions

Science 9

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

Prerequisite – None

Grade – 9

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



Honors Biology*

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

Prerequisite – Honors Geometry (or taking concurrently)

Grade – 9

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

Biology*

1.0 Science Required Credit – Year Long

Prerequisite – None

Grade – 10

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

** Biology is a graduation requirement.*

Anatomy/Physiology

1.0 Science Credit – Year Long

Prerequisite – Chemistry (or taking concurrently)

Grades – 10, 11, 12

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

AP Biology

1.0 Science Credit – Year Long

Prerequisite – Biology and Chemistry (or taking Chemistry concurrently)

Grades – 10, 11, 12

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

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

Chemistry

1.0 Science Credit – Year Long

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

Grades – 10, 11, 12

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

AP Chemistry

1.0 Science Credit – Year Long

Prerequisite – Chemistry

Grades – 11, 12

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

This course is designed to cover one semester of introductory college chemistry. It is fast-paced with much time spent on course material and lab work. The course culminates with the AP exam in May, which will grant students college credit if they do well.



AP Physics

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

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

Grades – 11, 12

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

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

Earth and Environmental Science

1.0 Credit – Year Long

Prerequisite: Biology

Grades – 11, 12

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

Physics

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

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

Grades – 11, 12

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

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. Principles of Engineering is an exception to this rule.

PLTW- Introduction to Engineering Design (IED)

1.0 Elective Credit – Year Long

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

Grades: 9, 10, 11, 12

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

PLTW – Principles of Engineering (POE)

1.0 Science Credit – Year Long

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

Grades: 10, 11, 12

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



PLTW – Aerospace Engineering (AE)

1.0 Elective Credit – Year Long

Prerequisite- Must have taken Principals of Engineering

Grades: 11, 12

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

Social Studies – Course Descriptions

Global Studies

1.0 Required Social Studies Credit – Year Long

Prerequisite – None

Grade – 9

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

AP Psychology

1.0 Social Studies Credit – Year Long

Prerequisite – None

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

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

This College Board AP Psychology course is designed to provide students with a learning experience equivalent to that of an introductory college course in psychology. The course will introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals in context.

Human Geography (May be taken as AP with extended coursework and AP examination)

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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

Introduction to Law

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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



Modern European History

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

Grades – 10, 11, 12

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

Psychology

0.5 Social Studies Credit – 1 Semester

Prerequisite – None

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

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

AP United States History

1.0 Required Social Studies Credit – Year Long

Prerequisite – None

Grade – 11

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

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

United States History

1.0 Required Social Studies Credit – Year Long

Prerequisite – None

Grade – 11

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

Government

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

Prerequisite – None

Grades – 11, 12

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

Economics

0.5 Social Studies Credit – 1 Semester

Prerequisite – Geometry

Grades – 11, 12

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



AP United States Government and Politics

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

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

Grades – 11, 12

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

This rigorous course will provide students with informational background and analytical skills to understand, interpret and explain the function of United States government and the political events that surround it. Topics such as the Constitution, branches of government and influences on American politics will be studied to prepare for successfully taking the AP exam.

Theological Studies – Course Descriptions

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

Theology IA

0.5 Theology Credit – 1 Semester

Prerequisite – None

Grade – 9 and new students only

Forming an intimate relationship with Christ through prayer is central to growing as a Christian disciple. Theology 1A introduces students to a variety of prayer experiences in the Judeo-Christian tradition as well as the specific spiritual charisms of St. Ignatius, St. Francis, St. Augustine, Thomas a' Kempis, Henri Nouwen, St. Faustina Kowalska, and more. Students will be introduced to the insights of Pope John Paul II on human sexuality. It is designed to aid students in discovering the beauty and purpose of human sexuality, why it is such a major part of our ability to love, and what the Church teaches about sexuality. This portion of the class begins with a focus on different kinds of friendship, learning how to be a virtuous friend, and how to choose virtuous friends. The class will build a safe environment and sense of community as students learn to grow in virtuous relationships.

Theology IB

0.5 Theology Credit – 1 Semester

Prerequisite – None

Grade – 9 and new students only

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

Theology IIA

0.5 Required Theology Credit – 1 Semester

Prerequisites – Theology 9A and 9B

Grade – 10

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



Theology IIB

0.5 Required Theology Credit – 1 Semester

Prerequisites – Theology 9A and 9B

Grade – 10

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

History of the Catholic Church I **NEW**

0.5 Theology Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

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

History of the Catholic Church II **NEW**

0.5 Theology Credit – 1 Semester

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

Grades – 11, 12

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

Kerygma and Life in the Spirit

0.5 Theology Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Kerygma is the proclamation of salvation through Jesus Christ. The central message of Jesus that is to be proclaimed to all people which has the power to make faith in Him come alive. Discover who is the Real Jesus. With this vital information, you also learn about Life in the Spirit, Jesus' own supernatural power, and divine life that He shares with you. Religion does not have to be monotonous anymore. Discover the supernatural love life in God that is found in The Kerygma and Life in the Spirit!

Liturgy and Music

0.5 Theology Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

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

Mariology

0.5 Theology Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

This semester-long course will be a study of Mary, the Mother of God. It will begin with looking at Church teaching on Mary, including Biblical stories and Papal teaching. There will also be a brief history of teachings of Mary in traditions outside of the Bible. Next, students will survey Mary as presented in culture, through visual art and music. Finally, students will explore Marian spirituality and devotions to Our Lady.



Paschal Mystery

0.5 Theology Credit – 1 Semester

Prerequisite – None

Grades – 11, 12

Through this course, students will learn that for all eternity, God has planned for us to share eternal happiness with Him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in, and through, Jesus Christ. This class provides a faith vision that will be a source of strength in times of suffering and sorrow as we learn from Jesus Christ's transformative experience of suffering and death.

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

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

Grades – 9, 10, 11

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

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

Grades – 10, 11, 12

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

German IV

1.0 Elective Credit – Year Long

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

Grades – 11, 12

The 4th 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/UWO CAPP 204 German Language & Culture

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

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

Grade – 12

Cost: \$550 - Fees will be billed to tuition accounts. Fee reduction available to students who qualify for F/R.

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

Mandarin I

1.0 Elective Credit – Year Long

Grades – 9, 10, 11, 12

Prerequisite – none.

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

Mandarin II

1.0 Elective Credit – Year Long

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

Grades – 9, 10, 11, 12

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



Mandarin III

1.0 Elective Credit – Year Long

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

Grades – 10, 11, 12

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

Mandarin IV

1.0 Elective Credit – Year Long

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

Grades – 11, 12

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

Mandarin V/AP Chinese Language & Culture

1.0 Elective Credit – Year Long

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

Grades – 11, 12

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

The emphasis of this year's course will be on mastering all aspects of the language, through level-appropriate, contextualized learning. Students will develop strong language skills from quality, authentic, level-appropriate learning materials, including textbooks, newspapers, magazines, literary texts, internet resources, television shows, movies, music, etc. Students will learn the similarities and differences between Chinese and other cultures. Cultural activities are interwoven into lessons to provide students with opportunities to enhance language and culture experiences. The course will be conducted almost exclusively in Chinese. Organizational and analytical strategies and skills will be incorporated into students' required work. In preparation for the AP Chinese Language and Culture exam in May, students will be engaged in performance-based activities within age- and level-appropriate authentic cultural context. The AP test is optional at this level.

Spanish I

1.0 Elective Credit – Year Long

Prerequisite – None

Grades – 9, 10, 11, 12

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

Spanish II

1.0 Elective Credit – Year Long

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

Grades – 9, 10, 11, 12

Students are exposed to more intermediate grammar including a more in-depth study in the use of object and reflexive pronouns, commands and the past tenses. Upon completion of class, students should be able to have more detailed conversations in Spanish, correctly narrating sequences of events, as well as use the past tense correctly. The focus of cultural content is Madrid, Spain.



Spanish III

1.0 Elective Credit – Year Long

Prerequisite – Spanish II and/or teacher recommendation.

Grades – 10, 11, 12

Third year Spanish students will master verb tenses and other grammar formations learned from Spanish I and II. Students will also be introduced to the 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 – 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/AP Spanish Language and Culture

1.0 Elective Credit – Year Long

Prerequisite – Spanish IV and/or teacher recommendation

Grades – 11, 12

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

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

Spanish VI/ AP Spanish Literature and Culture

1.0 Elective Credit – Year Long

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

Grade – 12

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

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



Online Learning through Arrupe Virtual Learning Institute (AVLI) for Grades 10-12

Online Learning: The following course options allow SMCHS students to pursue interests that will help them grow to be their personal best. Beyond challenging course content, an online learning experience fosters important life skills, and provides opportunities to learn with students from Catholic schools across North America. Online learning courses help students develop time management skills, discipline, self-advocacy, and more. Enrolling in online learning courses helps students mature into independent learners that will serve them well in college and beyond. **Students are required to take 6 in-person classes each semester. Online courses will be taken in place of a study hall or senior privilege.**

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

- **We value your time and try to use it well.** Our courses require as much time as any other course. If you add up the time you spend in class, doing homework, and studying for any given course, that’s about how much time each week your AVLI course will require. Obviously, higher-level courses like AP courses require more time just like they would in your face-to-face school. Generally, this falls into the range of 5-7 hours per week.
- **Regular engagement matters.** You can’t skip weeks in an AVLI course just like you can’t skip weeks at your face-to-face school. Teachers monitor participation and assignment submission to help students stay on track.
- **Courses are largely Asynchronous, Teacher-led, and Cohort-based.** These are important distinctions that warrant careful explanation.
 - **Asynchronous:** While each course will offer one synchronous (i.e. “live”) online meeting time per week, course tasks and activities are mostly asynchronous, meaning students do not have to be present online at a certain time each day. This allows students to work around their other in-school classes. Courses often use learning activities such as recorded lessons, discussion forums, readings, and assignments. Students usually complete many of these tasks independently during their school day. Teachers are available throughout each week via email should a student have questions or need support. Synchronous sessions are then often used for supplemental instruction, Q&A, group work, or extension activities.
 - **Teacher-led and cohort-based:** While students often work quite independently, our courses are not considered “independent” or “self-paced”. Our teachers design their course materials, set the course schedule, work closely with students to facilitate, and monitor their progress, and support the building of a community among the class cohort. Learning tasks are assigned deadlines throughout each week to which students are expected to adhere.

Classmates & Community: Your classmates will be young women and men from other schools across North America. It is the shared responsibility of all the class’s participants, both students and teacher, to build a rich learning community. Your support system can extend beyond the course as well, and at AVLI we believe in helping you build and maintain that structure. Because students perform better when their experience occurs as part of a supportive environment, regular communication is sent to students, parents, and schools regarding student progress.

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

Creighton University Dual Credit Option: AVLI has a dual credit partnership with Creighton University based in Omaha, Nebraska. Students are eligible to receive 3 hours of college credit for select courses (identified in the course listing). To qualify, students enroll in the course and pay the traditional course fee. They will then be provided the option of applying for credit for an **additional fee of \$110*** paid to the University.

Cost: The payment for online learning courses will be billed to your tuition account.

Year-long course	\$460
Semester Course	\$330

Students may also be required to purchase/rent textbooks for the courses.

**Note: This was the fee charged in 2023 but is subject to change at the discretion of Creighton University.*



AVLI Online Learning Course List

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

Year Long Course Descriptions (September 5, 2024 – May 2, 2025)

AP Art History

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$100

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

AP Comparative Government and Politics

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$80

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



AP Computer Science A

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

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

Grades – 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$100

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

AP Environmental Science

1.0 Science Credit – Year Long

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

Grades – 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$60

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

AP European History

1.0 Social Studies Credit – Year Long

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

Grades – 10, 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$50

In AP European History, students investigate significant events, individuals, developments, and processes from approximately 1460 A.D. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary & secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course to make connections among historical developments in different times and places: interaction of Europe & the world, economic & commercial development, cultural & intellectual development, states & other institutions of power, social organization & development, national & European identity, and technological & scientific innovations. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.



AP Music Theory

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$85

The AP Music Theory course corresponds to two semesters of typical introductory college music theory class. Topics include musicianship, theory, musical materials and procedures, dictation and listening skills, sight-singing, and harmony. The goal is to develop the ability to recognize, understand and describe basic materials and processes of tonal music that are heard or presented in a musical score. Notational skills, speed, and fluency with basic materials are emphasized. Students who complete this course are encouraged and eligible to take the AP Music Theory examination in the Spring. **This course requires weekly engagement** but is primarily asynchronous, allowing students to work around their school schedule. One-on-one synchronous teacher support is offered as needed, by appointment.

AP Statistics

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$60

This course prepares students to take the Advanced Placement Statistics Exam administered by the AP Central College Board. 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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.

AP World History

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$460

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

AP World History is structured around the investigation of key course themes and concepts in six different chronological periods, from approximately 1200 C.E. to the present. These themes, examined across cultures and time periods, include: Interaction between humans and the environment; Development and interaction of cultures; State-building, expansion and conflict; Creation, expansion and interaction of economic systems; Development and transformation of social structures. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening every three weeks that students are expected to attend,** as well as a weekly office hour that is optional for students to attend. Meeting times to be determined at the beginning of the term.



American Sign Language Level I*

1.0 Elective Credit – Year Long

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$50

This course will jump start your American Sign Language journey by learning the basics of this visual language and exploring the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.

American Sign Language Level II* NEW

1.0 Elective Credit – Year Long

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

Grades – 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$65

This course will reinforce the fundamental skills acquired in your American Sign Language 1 course. You will continue your journey by increasing your interpretive and communication skills of this visual language while continuing to explore the Deaf culture. Get ready to broaden your concept of communication through connections and comparisons to your own culture and community.

**American Sign Language I & II are also offered to students in grades 11-12 as a 1 semester course through NWTC. Students receive .5 SMC credit/3.0 NWTC credit. NWTC courses are only offered at specific times and may not fit into a student's SMC schedule. Online Learning courses are taken online during an assigned SMC class period.*

Latin Level I

1.0 Elective Credit – Year Long

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$20

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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.

Latin Level II

1.0 Elective Credit – Year Long

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

Grades – 10, 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$50

Latin Level 2 builds on the grammar, syntax, and vocabulary skills established in Latin Level 1. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.



Multivariable Calculus

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

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

Grades – 11, 12

Course Fee: \$460

Approximate Text/Resources Cost: \$50

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. 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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term. One-on-one support is also available by appointment.

Fall Semester Course Descriptions (September 5 – December 13, 2024)

AP Microeconomics

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

Approximate Text/Resources Cost: \$20

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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term.

Bioethics: Navigating the Ethical Dilemmas of our Future

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$330

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

The purpose of this course is to deepen the ethical and moral competence of students who are interested in the healthcare field. Medical decisions are some of the most difficult decisions that we have to make, and in this course, students will learn how to make these decisions, closely examining beginning and end of life issues, the ethics of medical research, justice concerns in the medical field and emerging technologies in medicine. This course is taught from a Catholic perspective and students will learn the teaching of the Catholic Church through the Ethical and Religious Directives for Catholic Healthcare Services, but students will also be free to discuss their own moral views in discussion forums and projects. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term.



Computer Science Principles

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – Recommended for 10 but 11 & 12 are welcome

Course Fee: \$330

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

This course will introduce students to a wide array of important computer science topics. Students will learn the ideas and practices of computational thinking as well as 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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening or weekend slot per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.

Introduction to Biochemistry

0.5 Science Credit – 1 Semester

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

Grades – 11, 12

Course Fee: \$330

Approximate Text/Resources Cost: \$100

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

JavaScript Programming

0.5 Elective Credit – 1 Semester

Prerequisites – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

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

This course will introduce students to computer programming using the JavaScript programming language. JavaScript is an object-oriented programming language similar to Java, Swift, C# or Python. It is the language behind the internet and is a crucial language for any aspiring programmer to learn. In this course, students will learn basic programming concepts including variables, control-flow, loops, functions, and data structures. Through a variety of projects, students will practice these skills and learn how to write high quality code. Previous computer science experience is not required for this course. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term.



Multimedia Authorship – The Power of Words and Images

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$330

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

This course aims primarily to develop communication skills through student expression ideas using multimedia technology. Students will study models of multimedia composition used by professional and student writers and then create their own multimedia content, pushing students to a mastery of the concepts and technical skills the composition requires. To fully participate in the class, students must have a computer (Mac or Windows) on which they 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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term.

Spring Semester Course Descriptions (January 9 - May 2, 2025)

AP Macroeconomics

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

Approximate Text/Resources Cost: \$20

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 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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term.

Astronomy: An Introduction

0.5 Science Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$330

Approximate Text/Resources Cost: \$15

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



Bioethics: Navigating the Ethical Dilemmas of our Future

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$330

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

The purpose of this course is to deepen the ethical and moral competence of students who are interested in the healthcare field. Medical decisions are some of the most difficult decisions that we have to make, and in this course, students will learn how to make these decisions, closely examining beginning and end of life issues, the ethics of medical research, justice concerns in the medical field and emerging technologies in medicine. This course is taught from a Catholic perspective and students will learn the teaching of the Catholic Church through the Ethical and Religious Directives for Catholic Healthcare Services, but students will also be free to discuss their own moral views in discussion forums and projects. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term.

C++ Programming

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

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

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 and how to attack a problem using the proper planning techniques. Students will learn about control structures, loops, procedures, arrays and much more. Another important aspect of this course is learning how to collaborate with other students. Each student will be put in 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. **There is a synchronous meeting that will take place one evening or weekend slot per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.

Catholic Authors

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

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

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 explore our Catholic faith through our rich literary heritage. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.



Comic Book Fiction

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Course Fee: \$330

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

Literature is paradoxical by nature: it attempts to hold a critical mirror up to the very society that produced it and of which it is part, and so it requires skill to uncover what authors want to say, what they do say, and, critically, what they don't say. Comic books are no different. Despite being marginalized by traditional literary circles, comic books feature the same literary techniques and devices as canonized literature and therefore offer an accessible entryway into literary analysis. In this course, you will learn and/or sharpen reading, writing, and analytical skills while reading some of the most lauded comic book titles. Join me, the X-Men, Spiderman, and Batman among others on an epic literary journey. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.

Computer Game Development

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

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

In this course, students will explore the variety of technologies and art forms that go into game design and development. Video games are the biggest entertainment industry in the world. They are also multimedia experiences that incorporate storytelling, music, art, and technology. This course examines the impact that games have on our society and exposes students to a wide variety of video games and genres, while teaching students to create their own video games and think critically about the games that they play. Students will learn to use a basic game engine to bring their video game ideas to life. Some previous experience in computer science is helpful but not required. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that is optional for students to attend.** Meeting times to be determined at the beginning of the term.

Database Development for Real World Problems

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

Approximate Text/Resources Cost: \$0. (Students must have access to Microsoft Office 365 DESKTOP version for Windows PC which is free for students)

Have you ever wondered how businesses big and small make decisions? It often starts through intuition, but at some point, you have to study - to look at information, weigh options, chart a path and a plan, and figure out how you are going to monitor progress. This requires you to collect and analyze data. This course introduces students to the fundamentals of relational database development using Microsoft Access. Students will learn by doing. They will organize and create databases, construct and run queries, build forms and more. They will create a database of their choosing based on an idea from their school or personal life, and they will work collaboratively with their classmates on a second database based on a real-world societal issue. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.



Genocide and the Holocaust

0.5 Social Studies Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$330

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

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

Introduction to Veterinary Careers

0.5 Elective Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$330

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

In Introduction to Veterinary Careers, students will investigate the vast field of veterinary medicine, from entering the field to living and growing within it. They will explore educational and licensing requirements, the varied jobs within the profession, and the reality of everyday life as a veterinarian (or veterinary support staff). The class will emphasize personal discovery of an individual's options for education and careers as well as considering his or her own strengths, weaknesses, and interests as they relate to veterinary careers. Finally, students will consider social and ethical challenges they may encounter to help them discern if veterinary medicine is right for them. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week** that is optional for students to attend. Meeting times to be determined at the beginning of the term.

Model United Nations/International Relations (MUNIR)

0.5 Social Studies Credit – 1 Semester

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grades – 11, 12

Course Fee: \$330

Approximate Text/Resources Cost: \$25

Model United Nations is an educational simulation and academic competition in which students learn about diplomacy, international relations, and the United Nations. International Relations is an academic course designed to examine the behavior of nations and states both individually and collectively. When you combine 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. This course requires weekly engagement but is primarily asynchronous which allows students to work around their school schedule. **There is a synchronous meeting that will take place one evening per week that students are expected to attend.** Meeting times to be determined at the beginning of the term.



Statistics & Probability

0.5 Elective Credit – 1 Semester

Prerequisites – Algebra I, 2.5 Cumulative GPA, Administration Approval

Grades – 10, 11, 12

Course Fee: \$330

Approximate Text/Resources Cost: \$90

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

NWTC Distance Learning – Course Descriptions

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

Distance Learning courses are only offered at specific days and times each week. As a result, students may miss portions of their SMC courses. We make every effort to accommodate NWTC courses, but sometimes there is overlap.

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

American Sign Language I*

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$490 plus \$90 for 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. Post-secondary institutions may vary in how this class fulfills their requirements.

American Sign Language II*

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$490 (same textbook used for ASL I)

This is a more in-depth study relating to deaf culture including non-manual grammatical markers, signing, fingerspelling, classifying and the technology related to deafness. Post-secondary institutions may vary in how this class fulfills their requirements.

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



Developmental Psychology

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$575 plus \$90 for 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. Post-secondary institutions may vary in how this class fulfills their requirements.

ECE: Health, Safety & Nutrition

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$510 plus textbook

Covers health, safety, and nutrition in the early childhood educational setting. Examines governmental regulations and professional standards as they apply to health, safety, and nutrition; nutritionally sound menus; examines child abuse and neglect issues and mandates; describes Sudden Infant Death Syndrome (SIDS) risk reduction strategies, describes strategies to prevent Shaken Baby Syndrome (SBS).

ECE: Infant & Toddler Development

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$510 plus textbook

Students explore postnatal conditions and development, summarize child development theories, analyze the role of heredity and the environment, examine culturally and developmentally appropriate environments for infants and toddlers, examine the role of brain development in early learning (conception through thirty-six months), examine caregiving routines as curriculum, and examine developmental and environmental assessment strategies for infants and toddlers. Post-secondary institutions may vary in how this class fulfills their requirements.

Introduction to Ethics: Theory & Application

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$490 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. Post-secondary institutions may vary in how this class fulfills their requirements.

Introduction to Law Enforcement

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$490 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. Post-secondary institutions may vary in how this class fulfills their requirements.



Introduction to Sociology

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$490 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. Post-secondary institutions may vary in how this class fulfills their requirements.

Medical Terminology

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$490 plus \$90 for textbook

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

Private Investigation Tactics

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

Prerequisite – 2.5 Cumulative GPA, Administration Approval

Grade – 12

Cost – Approximately \$490 plus \$25 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. Post-secondary institutions may vary in how this class fulfills their requirements.

FVTC Dual Enrollment – Automotive Maintenance and Light Repair Program

Prerequisite – 2.5 Cumulative GPA, Administration 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 I	0.5	0.5	1	1	Theology II	0.5	0.5	1	
2	English 9 or Honors English 9	0.5	0.5	1	2	Oral & Written or Honors O&W	0.5	0.5	1	
3	Math	0.5	0.5	1	3	Math	0.5	0.5	1	
4	Science 9 or Honors Biology	0.5	0.5	1	4	Biology or Chemistry	0.5	0.5	1	
5	Global Studies	0.5	0.5	1	5	Social Studies or Elective				
6	(Health/ PE/Business/Fine Art)				6	(Health/ PE/Business/Fine Art)				
7					7					
8	Elective or Study Hall				8	Elective or Study Hall				
+	15 Service Hours				+	15 Service Hours				
Credit Totals:						Credit Totals:				
Grade 11		1st Sem	2nd Sem	Credit		Grade 12		1st Sem	2nd Sem	Credit
1	Theological Studies	0.5	0.5	1	1	Theological Studies	0.5	0.5	1	
2	American Lit or AP Language	0.5	0.5	1	2	English	0.5	0.5	1	
3	U.S. History or AP US History	0.5	0.5	1	3	Government or AP Government	0.5			
4	Science (<i>Physics required in Pathway 2</i>)	0.5	0.5	1	4					
5	Math	0.5	0.5	1	5					
6					6					
7					7					
8	Elective or Study Hall				8	Elective or Senior Privilege				
+	15 Service Hours				+	15 Service Hours				
Credit Totals:						Credit Totals:				

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

Online Learning - AVLI (pp 32-37)

Yearlong:

- AP Art History (11-12)
- AP Comparative Government & Politics (11-12)
- AP Computer Science A (11-12)
- AP Environmental Science (11-12)
- AP European History (10-12)
- AP Music Theory (11-12)
- AP Statistics (10-12)
- AP World History (10-12)
- American Sign Language Level I (10-12)
- American Sign Language Level II (11-12) **NEW**
- Latin Level I (10-12)
- Latin Level II (10-12)
- Multivariable Calculus (11-12)

Online Learning Courses continued (pp 37-43)

Fall Semester:

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

Spring Semester:

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

Distance Learning - NWTC (pp 43-45)

American Sign Language I (12)
American Sign Language II (12)
Developmental Psychology (12)
ECE: Health, Safety & Nutrition (12)
ECE: Infant & Toddler Development (12)
Introduction to Ethics: Theory & Application (12)
Introduction to Law Enforcement (12)
Introduction to Sociology (12)
Medical Terminology (12)
Private Investigation Tactics (12)

FVTC Dual Enrollment (p. 45)

FVTC Automotive Maintenance & Light Repair Program (11-12)