



ST. MARY'S
CENTRAL HIGH SCHOOL

2025-2026 Course Registration Guidebook



Table of Contents

A MESSAGE FROM SMCHS ADMINISTRATION AND FACULTY	2
REGISTRATION GUIDELINES	3
SMCHS GRADUATION REQUIREMENTS.....	3
TYPICAL FOUR YEAR COLLEGE ENTRANCE REQUIREMENTS	3
NORTH DAKOTA SCHOLARSHIP OPPORTUNITY	4
COURSE OFFERINGS	5
BUSINESS EDUCATION/CTE.....	5
ENGLISH LANGUAGE ARTS	7
FINE AND PERFORMING ARTS	9
MATHEMATICS	11
PHYSICAL EDUCATION.....	12
SCIENCE.....	13
SOCIAL STUDIES.....	14
THEOLOGY	15
WORLD LANGUAGES	17
ADVANCED PLACEMENT VS. DUAL CREDIT (COLLEGE)	18
BISMARCK PUBLIC SCHOOLS CAREER ACADEMY & TECHNICAL CENTER	19
CENTRAL REGION AREA CAREER AND TECHNICAL CENTER	20
COURSE FEE SCHEDULE	18

A MESSAGE FROM SMCHS ADMINISTRATION AND FACULTY

Thank you for choosing St. Mary’s Central High School as your community for pursuing academic excellence and spiritual growth. The course registration process is an exciting time in the journey of planning your future goals.

There are several criteria to consider when making course choices for next year. Please consider the following:

- | | |
|--|---------------------------------------|
| ND graduation requirements | Educational goals |
| SMCHS graduation requirements | Course prerequisites |
| Academic strengths | Interests and abilities |
| Time commitment to co-curricular activities | Career plans |
| Post-secondary college/university requirements | Post-secondary technical requirements |

Course Registration Process

February 3 - 7	Presentations to grades 8-11 regarding registration process and requirements. Pre-registration forms and other materials are given to students in printed and electronic form
February 3 - 7	Students review preliminary registration information with parents, and with counselor and/or administration Parents will receive an email from the counselor with pre-registration materials once students have been presented the information.
February 13	Preliminary registration course forms due in office for grades 8, 9, 10 and 11
February 17 - March 28	Preliminary registration course forms are processed to facilitate building an initial draft schedule Counselor and/or administration will follow up with student schedules for clarification or revisions
April and May	Draft master schedule and student schedules refined Counselor and/or administration will follow up with student schedules for any remaining revisions
July 29 - 30	High school registration will receive a tentative student schedule and other back to school information. <u>Finalized schedules will be completed on the first day of the semester.</u>

At SMCHS we are student-centric and are committed to help students succeed academically, become virtuous leaders, and to grow in their relationship with Christ. We strive to pursue excellence and truth with our students in partnership with their parents. Join us in embracing a mission that is deeply devoted to **ENCOUNTERING CHRIST, PURSUING TRUTH, and AWAKENING HEARTS.**

MISSION STATEMENT

The mission of St. Mary’s Central High School is to provide an opportunity for its community to grow spiritually, academically and socially in a Christ-centered environment based on Catholic tradition.

REGISTRATION GUIDELINES

SMCHS GRADUATION REQUIREMENTS

Theology	4 Credits
Math	3 Credits
Science (Physical Science, Biology and one other)	3 Credits
Social Studies (World History, U.S. History, Am. Government, Economics)	3 Credits
English	4 Credits
Physical Education	1 Credit
Fine Arts/Business Education/World Languages (must include Financial Literacy)	3 Credits
	21 Required Credits
	6 Elective Credits
TOTAL	27 Credits

*Catholic & non-Catholic students will be required to earn 27 credits in order to receive a St. Mary's Central High School diploma, of which four credits must be in the Theology curriculum.

A course will only be offered when there are a sufficient number of students enrolled.

Each college-bound student should become familiar with entrance requirements for the college of his/her choice. You may seek further information on-line or by writing to the Office of Admissions of the colleges of your choice. See the School Counselor for assistance.

Dual-credit courses provide the student with both high school and college credit, according to the provisions of North Dakota Century Code 15.1-25.

TYPICAL FOUR YEAR COLLEGE ENTRANCE REQUIREMENTS

Four credits of English language arts

Three credits of math, Algebra I and above

Three credits of lab science

Three credits of social studies

NORTH DAKOTA SCHOLARSHIP OPPORTUNITY

The North Dakota state legislature passed legislation in **2009** establishing a scholarship program. Any resident student who graduates from high school and meets the criteria is eligible to apply for **the North Dakota Scholarship** in the amount of \$750 per semester, or \$500 per quarter, for a total annual payment of \$1,500 based on full-time enrollment in an accredited higher education institution in North Dakota, both public and private.

The scholarship is renewable provided the student is enrolled full time and maintains a 2.75 GPA based on a 4.0 scale, reviewed each semester. Students may be eligible for up to \$6,000 within six academic school years (do not have to be consecutive) after graduation.

Application deadline will be early June of each year with high school graduates notified of their eligibility for the scholarship by June 30 at which time students must log in to the application site and either accept or defer the scholarship. Applications for seniors will be available online beginning January 1.

<https://www.nd.gov/dpi/familiescommunity/students/class-2025-and-beyond>

North Dakota Scholarship

- The first component is the essential skills. All students must fulfill the requirements of the essential skills in order to be eligible for the scholarship.
- The next three components are Post-Secondary Ready, Workforce Ready, and Military Ready. Students must meet 2 of those 3 components to be eligible.
- Any student that meets the essential skill requirements, as well as 2 of the 3 (Post-Secondary Ready, Workforce Ready, and Military Ready) components qualifies for the North Dakota Scholarship.



NORTH DAKOTA SCHOLARSHIP as aligned to the Choice Ready Framework

The North Dakota Scholarship framework is a tool to assist educators in understanding the requirements of the ND Scholarship, as listed in North Dakota Century Code 15.1-21-02.10. Requirements begin with the **ESSENTIAL SKILLS** section. Students shall then strive to be **POST-SECONDARY READY, WORKFORCE READY, and/or MILITARY READY**, according to the requirements listed below.



ESSENTIAL SKILLS (15.1-21-02.10(5))

Check here when student has complete Essential Skills

- Earn a North Dakota high school diploma
- Complete a 9-week Career Education/Individual Counseling, 4-year Rolling Plan, pass ND Civics Test, earn a 3.0 or higher overall GPA, and four or more additional indicators:

- | | |
|--|---|
| <input type="checkbox"/> 25 hours of Community Service | <input type="checkbox"/> Two or more years in organized Extra-Curricular Activities |
| <input type="checkbox"/> 95% Attendance (not counting school related absences) | <input type="checkbox"/> Successfully complete a Capstone Project |
| <input type="checkbox"/> Career Exploration Experience | <input type="checkbox"/> Successfully complete an online learning course |
| <input type="checkbox"/> Two or more years in organized Co-Curricular Activities | <input type="checkbox"/> Demonstrate competency in 21st Century Skills |

Students shall achieve Essential Skills above, and complete two or more of the **CHOICE READY** components below to be eligible for the ND Scholarship.



POST-SECONDARY READY

Check here when student is Post-Secondary Ready

Complete both indicator sets below:

ACT/SAT minimum composite score:

- ACT composite of 24 , or
- SAT composite of 1180

and

Two or more additional indicators:

- Advanced Placement Course (A, B, or C) (4, 3, or 2)
- Dual Credit Course (English or Math) (A, B, or C) (4, 3, or 2)
- Algebra II (A, B, or C) (4, 3, or 2)
- Advanced Placement Exam (3+)
- International Baccalaureate Exam(4+)
- 3.0 GPA in core course requirements for NDUS admission
- 3 fine arts courses (A, B, or C) (4, 3, 2)



WORKFORCE READY

Check here when student is Workforce Ready

Complete both indicator sets below:

- 4 credits of CTE with 2 credits in same plan of study, OR 3 credits of same world language, Indigenous language, or sign language
- ACT of 24, or 5 or higher on all three WorkKeys tests or SAT composite of 1180

and

Two or more additional indicators:

- Complete Career Ready Practices Course
- Dual Credit Course (A, B, or C) (4, 3, or 2)
- Technical Assessment/Industry Credential
- Workplace Learning Experience (40 hrs.)
- Work-based Learning Experience (Perkins V) (40 hrs.)
- NDSA (Reading/Math) Level 3 or greater, or ACT for Accountability: English 19/Mathematics 22 or greater



MILITARY READY

Check here when student is Military Ready

Complete both indicator sets below:

- ASVAB score of 50 or greater, or ASVAB score of 31 or greater and have completed Basic Training;
- Physically Fit – Successfully complete required PE courses (A, B, or C) (4, 3, or 2);

and

One indicator set:

- Complete two or more additional indicators from the Post-Secondary or Workforce options:
 - _____
 - _____
- 2 credits of JROTC
- Phase One of the Cadet Civil Air Patrol Program

Updated August 11, 2023

****Pending potential changes in requirements per legislative action.**

More information about all North Dakota scholarships can be found at the following link:

<https://www.nd.gov/dpi/familiescommunity/students/north-dakota-scholarship>

A list of the coordinated plans of study can be found here: <https://www.cte.nd.gov/coordinated-plans-study>

COURSE OFFERINGS

BUSINESS EDUCATION/CTE

Accounting I

.5 credit

9, 10, 11, 12

Accounting I emphasizes the basic accounting cycle from debits/credits to entering transactions in a journal, posting, general and subsidiary ledgers and preparing financial statements. Students interested in a career in business should consider Accounting I.

Accounting II

.5 credit

9, 10, 11, 12

Accounting II is an advanced accounting course that expands on topics covered in Accounting I. In addition, new topics covered are management accounting procedures, cost accounting, non-profit accounting, and financial analysis. Computerized accounting will also be implemented. This course is designed to prepare students for college business and accounting courses. **Prerequisite: Accounting I**

Business Communications

.5 credit

9, 10, 11, 12

Students will learn to integrate oral and written communication in a clear, courteous, concise, complete and correct manner on both personal and professional levels. Listening skills, learning styles, and teamwork will be incorporated to provide students with a solid base so they are able to communicate effectively.

Business Law I

.5 credit

9, 10, 11, 12

This course provides students with details of transaction laws. It also discusses principles of law as they relate to business transaction including contracts, insurance, and loans, sales, negotiable instruments, partnerships, corporations, and property will be covered.

Business Law II

.5 credit

9, 10, 11, 12

This course provides students with details of transaction laws. It also discusses principles of law as they relate to business transaction including contracts, insurance, and loans, sales, negotiable instruments, partnerships, corporations, and property will be covered.

Career Management

.5 credit

9, 10

Career Management is designed to help students examine their personal strengths and interests and how these might relate to a career. The course will include competencies in self-assessment, matching interests to career choices, exploring the world of work, career research, and education and career planning. The course is designed to improve workforce skills needed in all careers including communication, leadership, teamwork, decision making, problem solving, goal setting, and time management. The curriculum is designed to prepare students for careers and education in the 21st Century.

Cooperative Work Experience

.5 credit

11, 12

This course provides students with a regularly scheduled, supervised employment or practicum opportunity related to their career goals in order to develop and improve work skills. The employment or practicum must be preceded by, or concurrent with, classroom instruction related to the work experience. There shall be a training agreement among all partners to the work/practicum experience (school, employer or supervisor, student, and parents/guardians) outlining the expectations of each party. The instructor shall also develop a specific training plan with the employer or supervisor for each student placed. The training plan shall include provisions for assessment of student progress, and for on-site visits by the program facilitator during the student's placement. All cooperative work experience placements will require the approval of the program facilitator. **Class size is limited, and preference will be given to seniors.**

Entrepreneurship

.5 credit

10, 11, 12

Students in Entrepreneurship will develop skills needed to effectively organize, develop, create, and manage their own business. Topics covered include entrepreneurial concepts, characteristics of business organizations, business opportunities, entrepreneurial career examples, individual career assessment and planning, and entrepreneurial projects and simulations.

Financial Literacy (REQUIRED-Grade 11 or 12)

.5 credit

11, 12

Students in Financial Literacy will study the impact of financial choices on personal and occupational goals and future earnings potential. Real world topics include checking accounts, budgeting, saving for large purchases, using credit cards, figuring interest and fees, being a responsible consumer, earning power, learning about taxes and paycheck withholding, college costs, mortgages, retirement savings, and investments. This course will provide a foundational understanding for making informed personal financial decisions.

Multimedia

.5 credit

9, 10, 11, 12

Students will engage in hands-on experiences using digital images and videos to create, produce, and present images, logos, graphics, videos, and sound. The curriculum will cover image-editing, file compression, digital audio/video editing, and planning for presentations. Most importantly, multimedia will give students an opportunity to express the creativity with through the use of technology.

Web Design Fundamentals

.5 credit

9, 10, 11, 12

This course provides students with a variety of ways to create and maintain web pages. The students will focus on the overall production process with particular emphasis on design elements involving layout, navigation and interactivity. The basic programs such as HTML, Visual Basic, Front Page, Dream Weaver, and Java are taught. Careers in Web Design are explored and students are provided with opportunities to increase their communication, teamwork, and critical thinking skills. This class is designed for students with limited or no coding experience.

ENGLISH LANGUAGE ARTS

English 9 (REQUIRED)

1 credit

9

This year-long course involves the strengthening of reading, comprehending, and analyzing literature as well as a detailed study of literary terms and figurative language devices with their application to short stories, author biographies, novels, dramas, and poetry. There will also be a deepening study of grammar and mechanics and a strengthening of their writing skills by composing a small research paper in MLA format that incorporates outside sources with library research skills.

English 10 (REQUIRED)

1 credit

10

This is a year-long, genre-based literature and composition course. Together we will read and analyze short stories, poems, nonfiction (memoir), novels, and a play. Discussions and writing assignments will focus on literary elements and incorporating borrowed passages from the text and information and criticism from outside sources. Students will further develop their familiarity with the MLA (Modern Language Association) format for writing research papers. Strengthening vocabulary, reading comprehension, and library research skills are primary objectives. In addition, we will review grammar and mechanics rules, particularly those that writers need to know in order to form effective sentences. Students will also be given opportunities to strengthen their listening and speaking abilities.

REQUIRED (Choose one: English 11 or AP English Language and Composition)

English 11 (offered to juniors only)

1 credit

11

This year-long course focuses on a close study of American Literature: authors, historical and cultural influences, and the application of literary terms and elements. Students will read and analyze articles, poetry, autobiographies, biographies, and novels. Development of grammar and writing skills will also be a focus. Students will write paragraphs, essays, and a research paper which uses MLA format.

Advanced Placement: English Language and Composition

1 credit

11, 12

This Advanced Placement English course “focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise” (The College Board, *AP English Course and Exam Description*, p. 7). This course focuses on non-fiction texts, ranging in length and complexity from short news articles to professionally-written essays, to full, book-length works, in order to teach the writing process. By the end of the year, students should be able to analyze persuasive techniques in non-fiction works and incorporate outside information with their own ideas to create a unique argument on a given topic. **Prerequisites:** 1. A grade of B or better in previous English class 2. Completion of summer reading that is due the first day of class. Students are required to take the AP exam.

REQUIRED (Choose one: English 12 or AP English Literature and Composition)

English 12 (offered to seniors only)

1 credit

12

This is a year-long literature and composition course which focuses on British Literature from as early as ~600 AD to present. Students will study the literary elements of short stories, poetry, nonfiction, drama, and novels. Essays will stress critical analysis and research; thus, students will further develop their familiarity with the MLA and APA formats for writing research papers. In addition, students will strengthen their vocabulary, reading comprehension, and library research skills. They will review grammar and mechanics rules, especially those that writers need to form effective sentences. Students will also be given opportunities to practice and develop their listening and speaking skills. The goal of our class is to read a wide variety of literature, gain writing and communication skills, and prepare students for post-graduation needs.

Advanced Placement: English Literature and Composition

1 credit

12

The course focuses on the experience of literature, the interpretation of literature, the evaluation of literature, and writing to develop stylistic maturity and sophistication. Students practice their writing via numerous timed essays, which are revised several times, as well as longer essays that require outside research and MLA formatting. Students also practice oral communication skills, through poetry presentations, regular classroom discussions and acting as discussion facilitators. The goal of our class is to read a wide variety of literature, gain writing and communication skills, and prepare students for post-graduation needs. **Prerequisites: 1. A grade of B or better in previous English class. 2. Completion of summer reading and writing assignment that is due the first day of class. Students are required to take the AP exam.**

Creative Writing

.5 Credit

10, 11, 12

This class is designed to build upon students' knowledge and skills in writing. Students will be given topics and also be encouraged to choose their own. Drafting will be the primary activity, but discussions, peer reviews, and brainstorming are incorporated as well. Students will be completing both formal and informal written works covering stories, personal accounts, characterization, poetry, among other avenues the class chooses in which to venture.

Mass Media

.5 Credit

9, 10, 11, 12

Mass Media develops an awareness of the cultural and social impact of mass media and artistic features unique to each medium. It addresses mass media's influence on the communication process; electronic media (radio and television), printed media (newspapers and magazines), and the film as forms of entertainment and education.

College Oral Communications (ONLINE)

.5 Credit (SMCHS)

11, 12

Dual Credit (COM 110) 3 cr. (U of Mary)

Examines the theories and practices students need to develop competence in public speaking and listening by providing experience in the preparation, presentation, and assessment of speeches. Informative and persuasive speaking are highlighted in this course. **Students will be required to purchase the corresponding text book.**

FINE AND PERFORMING ARTS

ART

Introduction to Art

.5 credit

9, 10, 11, 12

This course is designed as a beginning art class for students wishing to pursue upper-level art courses as well as fulfill their art requirement. Students will be introduced to the elements of art and principles of design while developing drawing skills & techniques. Studio experience in the classroom will give students opportunities to experience a variety of media while developing individual style and creative problem-solving skills. Students will demonstrate their ability to respond, to analyze and to interpret their own artwork and the work of others through discussions, critiques and writings. (Course may only be taken once)

Intermediate Art

.5 credit

10, 11, 12

In this course students will build upon their knowledge and skills to create a greater depth of understanding of art and application of the elements of art and principles of design to their work in a variety of media. Studio experiences include drawing, painting, ceramics, sculpture & mixed media. Students will demonstrate their ability to respond, to analyze & to interpret their own artwork and the work of others through discussions, critiques and writings. **Prerequisite: Introduction to Art** (Course may be taken twice)

Advanced Art

.5 credit

11, 12

This course is designed for the highly motivated art students. In this course students are expected to become independent thinkers and to apply their knowledge of the elements & principles to their work (everything that happens on a two dimensional or three-dimensional surface, regardless of media). Students will demonstrate their ability to respond, to analyze & to interpret their own artwork and the work of others through discussions, critiques and writings. **Prerequisite: Introduction to Art/ Intermediate Art (x2)** (Course may be taken twice)

Senior Studio Art

.5 credit

12

This Capstone class focuses on advanced visual practice & theory including the completion of a body of work & participation in a culminating exhibition. Senior Students will choose a topic for which they will research, create artwork based on that research and present to the community.

Prerequisite: Advanced Art (x2)

MUSIC

Symphonic Band

1 credit

9, 10, 11, 12

The Symphonic Band meets daily during the school day. The class is designed to give the students an understanding and appreciation of all styles of band music. Students are expected to spend time outside of class practicing their instrument and performing at various functions scheduled for the group including pep band events, marching functions, festivals and concerts.

Wind Orchestra

1 credit

9, 10, 11, 12

The Wind Orchestra meets daily during the school day. Students are selected by audition at the discretion of the director. The class is designed to further the students' understanding and appreciation of all styles from the band repertoire. The band rehearses and performs the more challenging literature from the band repertoire. Students are expected to spend time outside of class practicing their instrument and performing at various functions scheduled for the group including pep band events, marching functions, festivals and concerts.

Jazz Ensemble I

.5 credit

9, 10, 11, 12

This class is designed to teach the students various styles of jazz, jazz history and improvisation. Students are expected to spend time outside of class practicing their instrument and performing at various functions scheduled for the group.

Prerequisite: Must be a member of either the Symphonic Band or Wind Orchestra. Jazz band meets outside of the regular school day.

Steel Drum Band

.5 credit

9, 10, 11, 12

This class is designed to teach the students how to play steel drums and other percussion instruments. Students will learn about the culture and music of Trinidad and Tobago (birthplace of steel drums) as well as develop professional performance skills and responsibilities.

Prerequisite: Must be a member of the Symphonic Band, Wind Orchestra, or Concert Choir. Steel drum band meets outside of the regular school day.

Concert Choir

1 credit

9, 10, 11, 12

Concert Choir exists to cultivate, educate and nurture the musical talent and creativity of our students. The students will accomplish this through performance excellence, music literacy, history and exposure to a variety of musical styles and genres. Choral music is an incredible avenue toward building better musicians and better people. Students are able to develop their self-esteem and ability to express themselves. Performances and a minimal amount of out-of-school learning are part of the course grade. These activities are integral elements that support and extend learning in the classroom. Private voice lessons, festival experiences, and honor choir opportunities are available but not required for participants. Homework (practicing) will vary with the individual.

Jazz Choir

.5 credit

9, 10, 11, 12

Jazz Choir, St. Mary's Blues, is an auditioned group designed to emphasize singing techniques, performance of vocal jazz choral literature, a cappella pop, and microphone technique using sound systems. This course will also include creating student arrangements of popular music. The ensemble size will be determined by quality of auditions and resources available. It is open to grades 9-12, soprano, alto, tenor, bass, and vocal percussion. **Ensemble members must be part of the concert choir.** The jazz choir performs in the community, at various festivals, formal concert performances, and records in studio alternating years. There is a tradition of being flexible with student athletes & schedules. **Jazz choir meets outside the regular school day allowing additional room for other coursework.**

THEATRE ARTS

Theater Arts

.5 credit

9, 10, 11, 12

Course description: The Theater Arts course develops the knowledge of theater. Students will study theater history, different types of plays, as well as the vocabulary of theater. Students will learn and practice technical aspects of theater such as set design, light design, as well as costume and makeup design. Students will study the basic principles of acting: character analysis, interpretation, movement, and improv. Students will further develop their own acting skills through working on monologues, group scenes, and participating in theater games and exercises. Students will read, watch, and analyze different noteworthy performances.

MATHEMATICS

Algebra 1 (REQUIRED)

1 Credit

9, 10, 11

Algebra 1 gives the student a basic background in the real number system. This involves finding solutions of equations of one or two variables. It introduces inequalities, radicals and quadratics and the laws of exponents. The linear, quadratic, and power families of functions are introduced, with emphasis on solving and graphing each function. Algebra I also includes introductory lessons in geometry, data analysis, and probability. A graphing calculator (such as TI83 or TI84) is recommended, especially for those students who plan on enrolling in Algebra II, College Algebra or Pre-Calculus the following year. It is a requirement for graduation.

Geometry (REQUIRED)

1 Credit

9, 10, 11, 12

In Geometry, students will develop reasoning and problem-solving skills as they study topics such as congruence and similarity and apply properties of lines, triangles, quadrilaterals, and circles. Students will also develop problem solving skills by using length, perimeter, area, circumference, surface areas, and volume to solve real-world problems.

Algebra 2 (REQUIRED)

1 Credit

9, 10, 11, 12

The content of Algebra 2 is organized around families of functions, including linear, quadratic, exponential, logarithmic, radical, and rational functions. As students study each family of functions, students will learn to represent them in multiple ways- as verbal descriptions, equations, tables, and graphs. Students will also learn to model real-world situations using functions in order to solve problems arising from those situations. In addition to its algebra content, Algebra 2 includes lessons on probability and data analysis as well as numerous examples and exercises involving geometry and trigonometry. A graphing calculator (such as TI83 or TI84) is required, especially for those students who plan on enrolling in College Algebra or Pre-Calculus the following year. **Prerequisite: Successful completion of Algebra I and Geometry or enrollment in Geometry and Algebra 2 concurrently**

College Algebra

.5 Credit (SMCHS)

11, 12

Dual Credit (MAT 103) 4 cr. (U of Mary)

Topics covered in Math 103 include finding solutions of linear, quadratic and higher degree equations and inequalities; graphing functions and relations; polynomial and rational functions; non-linear system of equations; complex numbers; exponential and logarithmic functions and an introduction to statistics. A graphing calculator is required. **Prerequisites: C or better in Algebra II; ACT Math composite of 21 is required. Students will be required to purchase the corresponding text book.**

College Elementary Statistics

.5 Credit (SMCHS)

11, 12

Dual Credit (MAT 180) 4 cr. (U of Mary)

The study of descriptive statistics such as mean, mode, range, standard deviation, variance and histograms that describe statistical information. The study of inferential statistics such as hypotheses testing of a population mean, proportion and using a sample drawn from the population or testing to see if the sample is representative of the population being studied. A graphing calculator (such as T183 or T184) is required. **Prerequisites: C or better in Algebra II; ACT Math composite of 20 is required. Students will be required to purchase the corresponding text book.**

Pre-Calculus

1 Credit

11, 12

Pre-Calculus students study the real number system, functions and graphing, sequences & series, trigonometry, complex numbers, polynomial equations, polar equations, vectors & limits. This course is recommended for students intending to pursue a math or science related study in college such as medicine, architecture or engineering. Pre-Calculus is the prerequisite for Calculus. A graphing calculator (such as T183 or T184) is required. **Prerequisite: B or better in Algebra 2 and Geometry**

Advanced Placement Calculus AB

1 Credit (SMCHS) – Year Long Course

12

Dual Credit Semester 2 (MAT 209 – Calculus with Analytic Geometry I)--4 cr. (U of Mary)

Calculus students study two and three dimensional analytic geometry, functions, limits, continuity, differentiation of algebraic and trigonometric functions, development of the definite and indefinite integral, and applications problems involving integrals and derivatives. A graphing calculator (such as T183 or T184) is required. (Future Engineering students should consider T189) **Prerequisite: C or better in Pre-Calculus; ACT Math composite of 22 or higher is required. Students are required to take the AP exam regardless of dual credit enrollment. Students will be required to purchase the corresponding text book.**

PHYSICAL EDUCATION

Physical Education

.5 credit

9, 10, 11, 12

The Physical Education course is designed to develop neuromuscular skills, strength, flexibility, endurance, coordination, and an appreciation of leisure activities by practicing and developing skills that will help maintain fitness throughout life. Students will be exposed to a variety of individual and team sport games and activities, learning the rules and fundamentals to adequately play the games with an emphasis on teamwork, sportsmanship, leadership, and competition. With a focus on lifelong health and wellness, students will begin to develop a healthy lifestyle that benefits mind, body, and spirit.

Weights & Conditioning

.5 credit

10, 11, 12

Prerequisite: Must have taken .5 credit of PE before enrolling in this class.

The Weights & Conditioning course is designed to give sophomore, junior and senior students the opportunity to learn weight training concepts and techniques used to obtain optimal physical fitness, and to provide the students with the knowledge of the important of strength and fitness training on everyday life. Students will benefit from comprehensive strength weight training, muscular endurance, cardio, and flexibility activities. Students will learn about safety and the basic fundamentals of the weight and cardio rooms. Students will set goals for improvement and achievement, create challenges, and develop positive behaviors in fitness, wellness, movement, and nutrition for a lifetime of maintaining physical fitness and a healthy lifestyle.

SCIENCE

Physical Science (REQUIRED)

1 credit

9

Physical Science serves as the basis for the study of the advanced sciences of Chemistry and Physics. The student studies the concepts of matter, energy, motion, work, physical laws, the periodic table, chemical bonding, and chemical equations.

Biology (REQUIRED)

1 credit

10

Biology gives the student a fundamental understanding of the living world. Emphasis is placed on cell structure and function, genetics, evolutionary relationship, microbiology, plant biology, invertebrate and vertebrate anatomy and physiology, and the systems of the human body.

Environmental Science

1 credit

10, 11, 12

Environmental Science examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, this course usually covers the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Prerequisite: Biology

Chemistry

1 credit

10, 11, 12

This course is designed to prepare the college-bound student for college level chemistry. It is based on a strong theoretical and experimental background of the subject matter. Emphasis is placed on classification of matter, atomic theory, periodic table, chemical equations, and the mathematics of chemical reactions, gas laws, chemical equilibrium, and acid/base chemistry. **Prerequisite: Currently enrolled in/or completion of Algebra 2 while either maintaining a B or better or have achieved a B or better.**

Human Anatomy and Physiology

1 credit

11, 12

Human Anatomy and Physiology studies the detailed structures of the human body including the major functional systems (skeletal, digestive, circulatory, etc.) with a concentration on the identification and function of structures along with the physiology of bodily functions. Preserved, latex-injected lab specimens of cats will be used for dissections. **Prerequisite: B or better in Biology**

This class is designed for college bound students interested in pursuing a career in the medical profession and/or those who have an interest in learning more about their human body.

Physics

1 credit

11, 12

This course strikes a realistic balance between theory and practical applications. It prepares the college bound student for entry into more advanced science courses. Emphasis is placed on hands-on engineering, the laws of motion, energy, behavior of fluids, sound, and electricity. **Prerequisite: B or better in Algebra 2**

SOCIAL STUDIES

World History (REQUIRED)

1 credit

9

World History provides the student with a chronological study of civilization from the 1500's to modern times. The first semester, students will cover the Reformation, Imperialism, the Columbian Exchange, Enlightenment, both the Scientific Revolution and the Industrial Revolution and their impact on the world. The second semester, students will study World War I, the Russian Revolution, World War II, the Korean War, the Vietnam War as well as topics such as Communism, Nazism, Fascism and Nationalism. Throughout the course, students will focus on history from a global perspective and will be challenged to improve their writing skills, through analysis of primary and secondary historical sources.

REQUIRED (Choose one: U.S History or AP U.S History)

U.S. History

1 credit

10, 11, 12

U.S. History provides students with a chronological study of the United States and its ideals. The first semester will begin with the rise of industrialization and culminate with the United States' entrance into World War II. During the second semester, students will focus on America's rise to globalism as well as domestic issues and debates from 1945-2010.

Additionally, students will be challenged to acquire the skill of formulating arguments while utilizing primary and secondary sources in structured writing assessments. During the second semester, students will produce an original research paper aligned with the annual theme of National History Day. **Prerequisite: Students must achieve a passing grade for both semesters of World History or obtain an instructor recommendation to enroll in U.S. History.**

Advanced Placement U.S. History

1 credit

10, 11, 12

The Advanced Placement (AP) U.S. History course will focus on the development of historical thinking skills and a deeper understanding of America's identity, peopling, and expanding role in the world between 1491 and 2012. The course is accelerated and will be reading intensive. Students will explore primary and secondary source materials and, acting as amateur historians, work to develop college-level writing skills. Students will take the AP National Exam in May, where they may potentially earn college credit for the course. **Prerequisites: To take this course as a *sophomore*, students must achieve a grade of an A/A- in both semesters of World History or obtain an instructor recommendation to take the course. Students taking this course as a junior or senior are not held to this standard. Students are required to take the AP exam.**

American Government (REQUIRED)

.5 credit

11, 12

American Government introduces students to the basic organization and functions of the U.S. Government at the national, state and local levels. Students will examine the relevance of the U.S. Constitution, the election process, the role of political parties, and the justice system in their lives today.

Students will apply their skills of writing argumentative essays, while referencing primary and secondary sources. Students will be challenged to acquire the skills of refuting a proposed counter argument and speaking in front of peers. Additionally, students will produce a series of 5 paragraph essays to answer critical governmental and political questions. **Prerequisite: Students must achieve a passing grade for both semesters of U.S. History or a passing grade in both semesters of AP U.S. History to enroll in American Government.**

Economics (REQUIRED)

.5 credit

10, 11, 12

Economics is intended to deepen student understanding of economic influences, ideologies, systems, and institutions of the nation and the world in which they live. Students will apply fundamental economic concepts to understand national and global economic issues. The course will study basic rules of supply and demand, forms of business, types of global economic systems, government finances, and how economics relates to individual financial situations, history, and politics.

Introduction to Psychology

.5 credit

9, 10, 11, 12

Introduction to Psychology introduces the student to the science of human behavior. Specific emphasis will be placed on the study of human development, learning, memory, emotion, the human brain, famous psychologists, and abnormal psychology.

Advanced Placement Psychology

1 credit

11, 12

The Advanced Placement (AP) Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of humans. Students are exposed to the psychological facts, principles, history, and phenomena associated with each of the major subfields of psychology including the biological, cognitive, evolutionary, behaviorist, psychoanalytic, and socio-cultural approaches. Students will learn the methods psychologists use in their science and practice. Additionally, students will work to develop college-level writing skills. Students will take the AP National Exam in May, where they may potentially earn college credit for the course. **Prerequisites: Recommended that students successfully earn a passing grade in Introduction to Psychology but not required to do so with instructor recommendation. Students are required to take the AP exam.**

College General Sociology (ONLINE)

5 Credit (SMCHS)

11, 12

Dual Credit (SOC 107) 3 cr. (U of Mary)

This is a survey course is designed to introduce students to the science of human behavior covering the basic concepts, theories, and methods of sociology; as well as a survey of some of the institutional areas in which sociologists specialize including: Culture, language, globalism, family, religion, deviance, inequality, social structure, groups, social change, and collective behavior. **Students will be required to purchase the corresponding text book if required.**

THEOLOGY

Grade 9

Introduction to Catholic Theology (REQUIRED)

1 credit

This class introduces the main components of the Catholic Faith. Emphasis will be placed upon such things as the meaning of life, virtue, prayer, the mystery of the Blessed Trinity, Divine Revelation in Scripture and Tradition, the Primacy of St. Peter and the Church, the Blessed Virgin Mary, the necessity of the Sacraments and Commandments, and the meaning of true freedom in Christ. In addition, students will learn about the negative effects which illegal drugs have on individuals and society.

Grade 10

Old Testament (REQUIRED)

.5 credit

Old Testament is offered during one semester of sophomore year and provides an in-depth study of the major people, events and religious themes of the Hebrew Scriptures. The history of God's revelation and covenant with the Hebrew people will be examined from Creation to the coming of the Savior, Jesus Christ.

Our Moral Life in Christ I (REQUIRED)

.5 credit

Offered the opposite semester of junior year, this course aims to equip students to think about issues of the human person, faith and reason, the four last things, society, and social justice. Emphasis is placed upon critical thinking skills, the mysteries of personal and social evil, the principles of Catholic social teaching, and the power of faith.

Grade 11

New Testament (REQUIRED)

.5 credit

New Testament is offered during one semester of junior year. This course immerses the student in the sacred texts, which form the foundation of the Christian faith. The teachings, life, and history of Jesus Christ will be examined, including His divine and human natures and other topics of Christology.

Our Moral Life in Christ II (REQUIRED)

.5 credit

Offered the opposite semester of junior year, this course aims to equip students to think about issues of society and social justice. Emphasis is placed upon critical thinking skills, the mysteries of personal and social evil, the principles of Catholic social teaching, and the power of faith.

Grade 12

(REQUIRED-CHOOSE TWO FROM THESE FOUR ELECTIVES)

The Catholic Disciple

.5 credit (SMCHS)

Dual Credit (THE 104) 3 cr. (U of Mary)

This course of intensive faith formation will feature an open discussion about Catholic life and living examined in light of the responsibilities of Christian discipleship and the four formational dimensions of the human person (human, spiritual, intellectual, and evangelical). Within the course, a student will complete a semester long project covering various aspects of discipleship in a how-to format to prepare them for life in college.

Church History

.5 credit

The development of the Church from New Testament times to the present will be studied and analyzed. The Apostolic Age, Church Fathers, Crusades, Inquisition, Renaissance, Reformation, Age of Enlightenment, Vatican II, and the Church in the third millennium will be the main topics of discussion in this course.

Introduction to Philosophy

.5 credit

This introductory philosophy course is an introduction into the broad field of philosophy both as an academic study and a way of life from the perspective of the reason. This study includes "What is philosophy?", Logical argumentation, and a brief tour of philosophers using C.S. Lewis as a guide. We also look at some topics presented by Socrates, Plato, and Aristotle to give a new perspective on the life of faith.

Marriage & Family Living

.5 credit

This course is a study of adult living as it relates to the sacrament and vocation of Christian Marriage. Students explore topics such as Pope John Paul II's *Theology of the Body*, dating, spousal selection, and building a strong and faithful marriage. Family and parenting issues are also addressed. The teachings of the Catholic Church as they relate to these issues will serve as the primary reference for both study and discussion.

Rome Study Pilgrimage/Independent Study

.5 credit (SMCHS)

Dual Credit 3 cr. (U of Mary)

Those who participate in the Rome Study Pilgrimage have the option to engage in an independent study. Before signing up for this independent study, students must meet with the instructor to discuss the requirements and meeting times. In this course students will participate in the Rome Pilgrimage and will complete course work that will include but is not limited to: the Rise of the Roman Empire, the Apostolic Age, Persecution of Early Christianity, and the Church Fathers. **To receive the dual credit students must complete requirements set forth from both the University of Mary and SMCHS.**

WORLD LANGUAGES

Spanish I

1 credit

9, 10, 11, 12

Spanish I introduces the student to the language of Spanish-speaking countries by listening to the spoken language, participating in reading and listening exercises, learning basic grammatical constructions, and basic conversations. The diverse Hispanic cultures are also studied through holidays, food, literature, and music.

Spanish II

1 credit

9, 10, 11, 12

Spanish II is a continuation of the basic skills presented in Spanish I. Presentational, interpersonal, and interpretive skills are further developed and greater emphasis is placed on communication skills. The diverse Hispanic cultures are also studied through current events, food, literature, and music. Prerequisite: Spanish I

Spanish III

1 credit

10, 11, 12

Spanish III reviews and emphasizes skills taught in Spanish II. Multiple grammar tenses and more complex vocabulary are studied. There is a greater emphasis placed on interpersonal and presentational skills. Hispanic cultures are also studied through music, literature, and food. Prerequisite: Spanish II

Spanish IV

1 credit

11, 12

Spanish IV is a continuation of Spanish III with further development of interpretive, interpersonal, and presentational skills. Complex grammatical structures and vocabulary are reinforced. The diverse Hispanic cultures are also studied through food, literature, and art, with an emphasis on history. Prerequisite: Spanish III

ADVANCED PLACEMENT VS. DUAL CREDIT (COLLEGE)

Knowing the difference between Advanced Placement and Dual Credit courses will assist you in planning for both high school and college courses.

	Advanced Placement	Dual Credit (DC)
Description	The AP program allows students to take rigorous courses to prepare for the AP exam, and have the potential to earn college credit or placement while still in high school.	Dual Credit allows high school students to simultaneously earn high school and college credit by completing courses at their high school.
Credit	Students seeking credit through their AP exam scores should note that individual colleges and universities, not the College Board, the AP Program, or the high school grant course credit or placement.	Credit is awarded when the student passes the course. Students must pass a DC class with a C or higher to remain in the dual credit program.
Duration	Full year (2 semesters)	One semester
Instructor	Taught by high school teachers trained by the College Board.	Taught by high school instructors who are approved by the college offering credit.
Location	SMCHS	SMCHS
Cost	\$150 per semester ONSITE	\$300 per semester ONSITE \$500 per semester ONLINE
Textbooks	Provided by the school (Onsite courses)	Textbook purchase required, depending on course requirements.
Impact on GPA	Weighted scale: 4.3 maximum.	Weighted scale: 4.3 maximum.

COURSE FEE SCHEDULE

ADVANCED PLACEMENT COURSES--ONSITE	\$150.00 (per semester)
COLLEGE COURSES (Dual Credit ONSITE-University of Mary)	\$300.00 (per semester)
COLLEGE COURSES (Dual Credit ONLINE – University of Mary)	\$500.00 (per semester)
**FEES SUBJECT TO CHANGE	

BISMARCK PUBLIC SCHOOLS CAREER ACADEMY & TECHNICAL CENTER

Career and Technical Education provides a comprehensive but flexible program that is dedicated to quality through the use of current technical equipment, materials and instruction. Obtaining experience through a career and technical program is an asset to most students. The skills the high school students acquire provide them with the knowledge and skills to enter the job market at an entry level. Courses are for students in grade 10, 11 and 12 and take place on the Career & Technical Education Campus. Enrollment will be dependent on individual student schedules and course enrollment availability.

<u>AGRICULTURE</u>	<u>SCIENCE, TECHNOLOGY, ENGINEERING & MATH</u>
<ul style="list-style-type: none"> • Introduction to Agriculture 	<ul style="list-style-type: none"> • Architectural Design
<ul style="list-style-type: none"> • Agri Science 	<ul style="list-style-type: none"> • Building Systems I
<ul style="list-style-type: none"> • Applied Ag. Mechanics 	<ul style="list-style-type: none"> • Building Systems II*
<ul style="list-style-type: none"> • Small Animal Care 	<ul style="list-style-type: none"> • Career Academy Tech Ed
<ul style="list-style-type: none"> • Botany/Horticulture 	<ul style="list-style-type: none"> • Creative Engineering I*
<u>MANUFACTURING</u>	<ul style="list-style-type: none"> • Creative Engineering II*
<ul style="list-style-type: none"> • DC Electronics 	<ul style="list-style-type: none"> • Mechatronics
<ul style="list-style-type: none"> • AC Electronics* 	<ul style="list-style-type: none"> • Robotics
<ul style="list-style-type: none"> • Analog Electronics* 	<ul style="list-style-type: none"> • Tech Design/3D Modeling
<ul style="list-style-type: none"> • Digital Electronics* 	<u>CONSTRUCTION</u>
<ul style="list-style-type: none"> • Welding I 	<ul style="list-style-type: none"> • Carpentry Framing
<ul style="list-style-type: none"> • Welding II* 	<ul style="list-style-type: none"> • Carpentry Interior
<u>ART AND COMMUNICATION</u>	<u>TRANSPORTATION</u>
<ul style="list-style-type: none"> • Graphic Design 	<ul style="list-style-type: none"> • Auto Collision I
<ul style="list-style-type: none"> • Digital Art & Photography 	<ul style="list-style-type: none"> • Auto Collision II*
<u>HEALTH SCIENCE</u>	<ul style="list-style-type: none"> • Automotive Technology I
<ul style="list-style-type: none"> • Advanced Medical Careers* 	<ul style="list-style-type: none"> • Automotive Technology II*
<ul style="list-style-type: none"> • Certified Nursing Assistant* 	<ul style="list-style-type: none"> • Aviation I
<ul style="list-style-type: none"> • Prevention and Care* 	<ul style="list-style-type: none"> • Aviation II*
<ul style="list-style-type: none"> • Intro to Nursing* 	<ul style="list-style-type: none"> • Intro to Drones & Career Applications
<u>INFORMATION TECHNOLOGY</u>	
<ul style="list-style-type: none"> • Intro to Computers/Intro to IT 	
<ul style="list-style-type: none"> • Computer Hardware/IT Essentials 	
<ul style="list-style-type: none"> • Cybersecurity 	

*Classes have a prerequisite.

Course information is available at <https://catc.bismarckschools.org/programming/programming/academics/career-academy-courses>

CENTRAL REGION AREA CAREER AND TECHNICAL CENTER

The CRACTC delivers CTE courses to students utilizing online virtual classroom environments. Our goal is to provide opportunities for students to enroll in courses in specific career clusters in order to complete a program of study in these career pathways. CTE concentrators can qualify for the ND State Scholarship Program – see your high school counselor for details.

Please note: Registering for an CRACTC class is a commitment to enroll. **Lock in date is May 2, 2025—no drops will be allowed after that point.** The CRACTC hires teachers and facilitates sections based on pre-registration. Administrative approval is required for a class to be dropped after May 3. The library will be the location for CRACTC classes. Regular attendance and grading will take place.

Class	Grade Level	Time Frame
Aviation	11, 12	Full Year
Aviation II	12	Full Year
Family and Consumer Science	9, 10, 11, 12	Full Year
Parenting	10, 11, 12	Fall Semester
Independent Living	10, 11, 12	Fall or Spring Semester
Child Development	10, 11, 12	Spring Semester
Family Living	10, 11, 12	Spring Semester
Housing and Interior Design	10, 11, 12	Fall Semester
Graphic Design & Photography I	10, 11, 12	Full Year
Graphic Design & Photography II	11, 12	Full Year
Medical Careers	10, 11, 12	Full Year
Advanced Medical Careers*	11, 12	Full Year
CNA	11, 12	Fall Semester
Medical Terminology	11, 12	Fall or Spring Semester
Emergency Medical Responders	11, 12	Full Year
Intro to IT	9, 10, 11, 12	Fall Semester
IT Essentials*	9, 10, 11, 12	Spring Semester
Cybersecurity*	10, 11, 12	Full Year
Coding with Python	10, 11, 12	Fall Semester
Coding with Java	10, 11, 12	Spring Semester
Introduction to Video Game Design	9, 10, 11, 12	Fall Semester
Video Game Design*	10, 11, 12	Spring Semester
Introduction to Programming	9, 10, 11, 12	Fall Semester
Networking Fundamentals	9, 10, 11, 12	Fall or Spring Semester
Marketing	10, 11, 12	Full Year
Principles of Finance	10, 11, 12	Fall Semester
Sports & Entertainment Marketing	10, 11, 12	Fall Semester
Social Media Marketing	9, 10, 11, 12	Spring Semester
Principles of Entrepreneurship	9, 10, 11, 12	Spring Semester
STEM Seminar I	9, 10, 11, 12	Fall Semester
STEM Seminar II	9, 10, 11, 12	Spring Semester
Foundations of Engineering I*	9, 10, 11, 12	Fall Semester
Foundations of Engineering II*	9, 10, 11, 12	Spring Semester

*Classes have a prerequisite

Course Descriptions for the courses listed above are available at [2025-2026 Course Catalog](#)