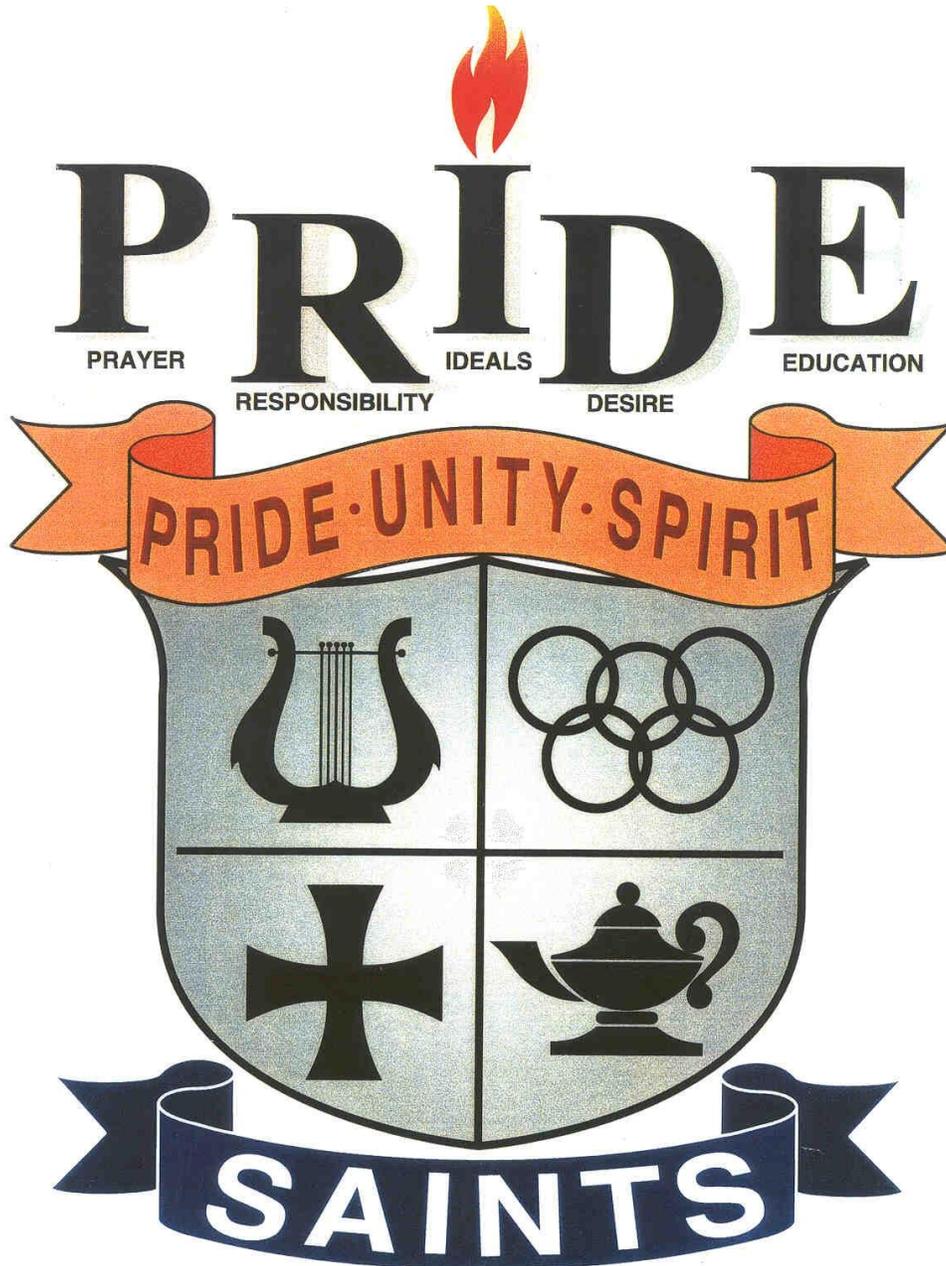


# St. Mary's Central High School



2016-2017 Course Registration Information

DEAR STUDENTS AND PARENTS,

The administration, faculty, and staff of St. Mary's Central High School face the challenge of responding to the needs of a diverse student population. The decisions and choices students make with parents and counselors will have a profound and long lasting effect on their future. Each student will develop a program of study with courses according to individual interests, abilities and goals. Each year, students will review and adjust their program of study, using input from parents, teachers, counselors, and other resources. Students are encouraged to use career information in the counselor's office to aid in developing their programs of study. Information on careers, vocational-technical schools, scholarships, college entrance requirements, and other related data are available from the counselor.

Parental involvement is critical to the success of the student's program of study. It is the responsibility of each student to read carefully all of the registration materials, requirements for graduation, and college admission requirements, and to be willing to live with the choices made for the year. Parents are encouraged to support the student and school by providing a proper study atmosphere at home and maintaining good communication with school officials and teachers.

There are several criteria to consider when making course choices. When selecting classes for next year, consider the following:

- \* Graduation requirements
- \* Course prerequisites
- \* Career plans
- \* Time commitment to co-curricular activities
- \* Educational goals
- \* Academic strengths
- \* Interests and abilities
- \* Post-secondary technical requirements

*Make choices carefully because it is very difficult to make schedule changes.*

### **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.

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## REGISTRATION SUGGESTIONS

### SMCHS GRADUATION REQUIREMENTS

Religious Studies	4 Credits
Math	3 Credits
Science (Physical Science, Biology and one other)	3 Credits
Social Studies (World History, US I & II, POD I & II)	3 Credits
English	4 Credits
Physical Education (1 PE or 1/2 Health + 1/2 PE)	1 Credit
Fine Arts/Business Education/Foreign Languages*	3 Credits
*must include 1 credit of Fine Arts or Career & Technical Edu.	
	21 Required Credits
	<u>5 Elective Credits</u>
TOTAL:	26 Credits**

\*\*Catholic & non-Catholic students will be required to earn **26 credits** in order to receive a St. Mary's Central High School diploma, of which four credits (two credits for non-Catholic students) must be in the Religious studies 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 language arts
- Three credits of math, Algebra I and above
- Three credits of lab science
- Three credits of social studies
- Two years of foreign language (highly recommended)

# C O U R S E   O F F E R I N G S

## ART EDUCATION

### **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**

**9, 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**

**10, 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 2D or 3D 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 can be taken multiple times)

## BUSINESS EDUCATION

### **Accounting I**

**.5 credit**

**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**

**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 Law I****.5 credit****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****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.

**Computer Applications****.5 credit****9,10,11,12**

This course is designed to assist the student in developing a solid foundation in basic computer software applications. Competencies are developed in Microsoft Word, Excel, Publisher, PowerPoint, and email. Students get basic knowledge of computer hardware and troubleshooting through hands-on dismantling and rebuilding of a PC.

**Cooperative Work Experience****1 credit****11, 12**

Provides students with a regularly scheduled, supervised employment opportunity related to their career goals in order to develop and improve work skills. The employment 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 experience (school, employer, student, and parents/guardians) outlining the expectations of each party. The instructor shall also develop a specific training plan with the employer for each student placed. The training plan shall include provisions for assessment of student progress and for on-site visits by the instructor during the student's placement. All cooperative work experiences will be based on the discretion of administrative approval.

**Desktop Publishing****.5 credit****9, 10,11, 12**

Students in Desktop Publishing will use desktop publishing software to create publications such as newsletters, banners, catalogs, brochures, letterheads, business cards, and programs. They will learn design techniques using multimedia integration, formatting skills, page layout, and templates. Students will explain the purposes, functions, and common features of desktop publishing software.

**Entrepreneurship****.5 credit****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**

**.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.

### **Sports and Entertainment Marketing**

**.5 credit**

**11, 12**

To prepare students for marketing occupations in the area of sports and entertainment. This course is to prepare students who have an interest in sports or entertainment marketing and wish to continue exploring marketing and business related careers. The course will include an introduction to marketing and business concepts, foundations, including the business and marketing core concepts.

### **Web Design Fundamentals I**

**.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.

## **FOREIGN LANGUAGES**

### **Spanish I (403/404)**

**1 credit**

**9,10,11,12**

Spanish I introduces the student to the language and cultures of Spanish-speaking countries by listening to the spoken language, participating in oral and written exercises, learning basic grammatical constructions and basic conversations.

### **Spanish II**

**1 credit**

**9,10,11,12**

Spanish II is a continuation of the basic skills presented in Spanish I. Reading, comprehension and communication skills are further developed and greater emphasis is placed on writing skills.

**Prerequisite: Spanish I**

### **Spanish III**

**1 credit**

**10, 11, 12**

Spanish III reviews and emphasizes skills taught in Spanish II. The finer points of grammar and more complex vocabulary are studied. There is a greater emphasis placed on comprehension and communication skills through reading, writing, listening, and speaking activities. The diverse Hispanic cultures are also studied through art, food, literature, and music. **Prerequisite: Spanish II**

## **Spanish IV**

**1 credit**

**11, 12**

Spanish IV is a continuation of Spanish III with further development of comprehension and communication skills through reading, writing, listening, and speaking activities. Within these activities, complex grammatical structures and vocabulary are reinforced. The diverse Hispanic cultures are also studied through food, history, literature, and music. **Prerequisite: Spanish III**

## **Latin I**

**1 credit**

**9, 10, 11, 12**

Latin I exposes students to the Latin language and culture, emphasizing basic grammar and syntax, simple vocabulary, and the influence of Latin on current English words. Students will be able to read and write in Latin on a basic level.

## **HEALTH ENHANCEMENT**

### **Physical Education 9 (REQUIRED)**

**.5 credit**

**9**

Physical Education I activities are designed to develop neuromuscular skills, strength, flexibility, endurance, coordination and an appreciation of leisure-time activities. The emphasis is on teamwork and competition.

### **Physical Education**

**.5 credit**

**10, 11, 12**

This course is geared to the sophomore level; it is a natural continuation of Physical Education 9. Increasing skill level, knowledge of each sport, either as a participant or spectator, and competition through tournament play is emphasized.

### **Health and First Aid**

**.5 credit**

**9,10,11,12**

This course familiarizes students with the principles of physical fitness including first aid, weight control using nutrition and exercise, health implications of obesity and fitness gains comparing various activities.

### **Weights and Conditioning**

**.5 credit**

**9,10,11,12**

Weight lifting is an important component in strength training and overall fitness. This class will emphasize proper technique in weight lifting, sport specific training and the role of strength training in an all around fitness program. Instruction will be individualized for the beginner to the advanced.

### **Driver's Education**

**.25 credit**

**9,10,11,12**

The students are taught knowledge and respect for traffic regulations and safety in a classroom setting. This 2-week course is offered only during the summer. Required fee.

## 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, and the following genres: novels (*To Kill a Mockingbird*), dramas (*The Tragedy of Romeo and Juliet*), 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 11)**

**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 poetry, autobiographies, biographies, and novels (*Of Mice and Men*, *The Scarlet Letter*, and chapters of *Bury My Heart at Wounded Knee*). Development of grammar and writing skills will also be a focus. Students will write paragraphs, essays, and a research paper which uses MLA format.

### **AP English 11: English Language and Composition**

**1 credit**

**11**

This Advanced Placement English course “engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes” (The College Board, *AP English Course Description*, p. 7). This course also focuses heavily on the use of 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 adequately be able to 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 and writing assignment 3. Summer writing assignment must be evaluated and approved by English faculty.**

## **REQUIRED (Choose one: English 12 or AP English 12)**

### **English 12 (offered to seniors only)**

**1 credit**

**12**

This is a year-long literature and composition course which focuses on a chronological study of British literature from the Anglo-Saxon period to the present day. 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 (Modern Language Association) format 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.

### **AP English 12: English Literature and Composition**

**1 credit**

**12**

This class is an introduction into the scholarly world of college-level English. It focuses on literature, meaning fiction of all types – novels, poems, short stories, plays – and from all eras – from the 14th Century to the 21st. The ultimate goal is for students to increase their critical reading and critical thinking skills; to be able to read any kind of written text, analyze it, and develop thoughtful and intelligent ideas about it which can then be transferred into an effective written response. **Prerequisites: - 1. A grade of B or better in previous English class 2. Completion of summer reading and writing assignment 3. Summer writing assignment must be evaluated and approved by English faculty.**

## **MATHEMATICS**

### **Pre-Algebra/Applied Math**

**1 Credit**

**9**

Pre-Algebra gives students a strong foundation in algebra while also preparing them for future study of geometry, probability, and data analysis. It provides the students with extensive review of the four basic operations using counting numbers, whole numbers, integers and rational numbers. Work is done with decimals, fractions and percentages. The second half of the class prepares the student for entry into Algebra 1, which involves finding solutions to one-variable equations and word problems.

### **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.

### **Unified Mathematics**

**1 Credit**

**9, 10, 11**

Unified Mathematics is the introduction of Geometry in an integrated program. The main emphasis is bridging the gap between Algebra 1 and Geometry; this is accomplished by a review of algebraic topics while including the basic concepts of Geometry. This course is not intended for those students who wish to pursue a four-year college degree. **Prerequisite: Algebra 1 and permission from math department.**

## **Geometry**

**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. **Prerequisite: C or better in Algebra 1, or permission of math department.**

## **Algebra 2**

**1 Credit**

**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 Geometry or enrollment in Geometry and Algebra 2 concurrently.**

## **College Algebra**

**.5 Credit (SM)**

**10, 11, 12**

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

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 (such as TI83 or TI84) is required. **Prerequisites: C or better in Algebra II; ACT Math 22 or higher or ACT Plan Math 19 or higher.**

## **Elementary Statistics**

**.5 Credit (SM)**

**10, 11, 12**

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

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 TI83 or TI84) is required. **Prerequisites: ACT Math 22 or higher or ACT Plan Math 19 or higher.**

## **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 TI83 or TI84) is required. **Prerequisite: B or better in Algebra 2 and Geometry.**

## **AP Calculus**

**1 Credit (SM)**

**11, 12**

Dual Credit (MAT 209) 4 cr. (U of M)

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 TI83 or TI84) is required. (Future Engineering students should consider TI89) **Prerequisite: C or better in Pre-Calculus; ACT Math 22 or higher or ACT Plan Math19 or higher.**

## **MUSIC**

### **Symphonic Band**

**1 credit**

**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. The student is expected to spend outside of class time performing at various functions scheduled for the group including pep band events, marching functions 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 difficult literature from the band repertoire. The student is expected to spend outside of class time performing at various functions scheduled for the group including pep band events, marching functions and concerts.

### **Jazz Ensemble I**

**.5 credit**

**9,10,11,12**

Students are selected by audition at the discretion of the director. The class is designed to teach the students jazz styles, jazz history and improvisation. **Prerequisite: Must be a member of either the Concert Band, Symphonic Band or Wind Orchestra.**

### **Steel Drum Band**

**.5 credit**

**9,10,11,12**

Students are selected by audition at the discretion of the director. The 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 Concert Band, 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. Out-of-school rehearsals, performances, and activities 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 choral techniques, performance of vocal jazz choral literature, and microphone technique with 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. Jazz choir meets outside the regular class day allowing additional room for other coursework.

# **RELIGIOUS STUDIES**

## **Religious Studies – Grade 9**

### **Introduction to Catholicism (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.

## **Religious Studies – 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

This course is offered the opposite semester of sophomore year and covers the characteristics of Christian Morality so that students gain deeper insight into the science of Moral Theology. The course will include an examination of the following: the sources of Catholic Moral Theology, the Christian Concept of Man, true freedom vs. false freedom, and the formation of a healthy conscience. Also, the students will examine the relationship between Eternal and Natural Law, the definitions of sin, and the major moral issues of our time.

## **Religious Studies – 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.

## **Religious Studies – Grade 12 CHOOSE TWO FROM THESE FIVE ELECTIVES:**

### **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.

### **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.

### **Catholicism and World Religions**

.5 credit

This course is a survey of the major world religions examined in the light of the Roman Catholic Faith. The course includes the religions of Judaism, Islam, Hinduism, Buddhism, Shintoism, Confucianism, Taoism, Sikhism, Jainism, and the Indigenous religions. The "less known" religions may also be discussed and analyzed. The course will study the historical origins of each religion, including the theologies, rituals, culture, and historical interactions of each respective religion. The Catholic Church's understanding of ecumenism and interreligious dialogue will serve as the primary reference for both study and discussion.

### **The Catholic Disciple**

.5 credit

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

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. (Offered for college credit) The student must complete the University of Mary course information sheet provided by instructor, pay the tuition rate and other necessary charges related to the course.

### **Rome Study Pilgrimage/Independent Study**

.5 credit

Dual Credit 3 cr. (U of M)

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 shown above students must complete requirements set forth from both the University of Mary and SMCHS.

## **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.

### **General Science**

**1 credit**

**11, 12**

This course is offered as an alternative to upper level science classes. It is not recommended for the student planning to pursue a career requiring science courses at a college level. The course will give an overview of many topics such as anatomy, biology, chemistry, ecology, meteorology, nutrition, and physics, with an emphasis on practical everyday applications. The course is enhanced by hands-on activities.

### **Chemistry**

**1 credit**

**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: Biology and currently enrolled in/or completion of Algebra 2.**

### **Human Anatomy and Physiology**

**1 credit**

**11, 12**

Human Anatomy and Physiology studies tissue structure and function, and extensive structure and function of most body systems with corresponding laboratory work. **Prerequisite: B or better in Biology.**

## **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.**

## **Advanced Placement Biology**

**1 credit; 1 full year**

**11, 12**

The purpose of this course is to give students a strong background in biological science. This course is intended for college bound juniors and seniors who are planning on pursuing a course of study in the medical sciences or other biological and related fields. This course includes an emphasis on the cell/molecular biology, genetics, and evolution, and a brief review of anatomy and ecology. This course is strongly geared towards students who will be taking the national AP Biology exam in May. Students who do not take the national exam will be required to take a final test in May. It is strongly urged that students take Anatomy as a pre-requisite, or while they are also taking this course. **Prerequisite: 1 year of Biology, 1 year of Chemistry and instructor approval.**

## **SOCIAL STUDIES**

### **World History**

**1 credit**

**9, 10**

World History provides the student with a chronological study of civilization from ancient to modern times. First semester covers the prehistoric period to the Renaissance, Reformation, early civilizations, the rise of exploration, and other, key aspects of western civilization. Second semester covers the age of colonization, key world revolutions, and the rise of new political philosophies (nationalism, fascism, and communism), an introduction to the great wars, and an introduction to conflicts in the Middle East and key aspects of eastern civilization.

### **REQUIRED (Choose One: U.S History 1 & II or AP U.S History)**

**1 credit**

**10, 11, 12**

**U.S. History I** provides the student with a chronological study of the United States and its ideals. U.S. History I re-caps the creation of the Nation, the Revolution and Constitution. The heightened focus will be on the key reasons that led to the Civil War and the start of Reconstruction through World War I.

**U.S. History II** will begin with focusing on America's rise to globalism, and the philosophical economic changes leading up to the Great Depression. Additionally, students will cover the U.S. involvement in World War II, the Cold War, the Civil Rights Movement, and key events that lead to a diminished trust of our government. Finally, the students will gain in-depth focus on understanding the crucial events of the past 20 years that have most impacted their lives and America today.

## **Advanced Placement U.S. History**

**1 credit (full year)**

**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 role in the world between 1491 and the present. The course will be reading intensive, affording students the opportunity to explore primary source documents, in addition to secondary source materials. Acting as amateur historians, students will work to develop college level writing skills and become fluent in the historical research process. After successful completion of this course, students may take the AP U.S. History exam in May for college credit.

## **Problems of Democracy I and II (Required)**

**1 credit**

**10, 11, 12**

**POD I (Democracy in Action)** will study 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.

**POD II (Economics in Action)** is intended to deepen student understanding of economic problems 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 history and politics. Finally, this course will focus on understanding key matters of personal finance to assist student to make educated economic decisions.

## **Psychology I**

**.5 credit**

**10, 11, 12**

Psychology introduces the student to the study of human behavior. Emphasis is placed in the study of personality, human development, emotion, motivation, learning, intelligence, research and abnormal behavior.

## **North Dakota Studies**

**.5 credit**

**9,10,11,12**

The North Dakota studies course will introduce students to the history, culture, geography, industry, and agriculture of the state of North Dakota. Additionally, we will examine the social structure, ethnic influence, future trends, and a wide range of political issues of the past & present that impact this state

## **AP Psychology**

**1 credit (full year)**

**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 human beings and other animals. Students are exposed to the psychological facts, principles, history, and phenomena associated with each of the major sub fields within psychology. They also learn about the methods psychologists use in their science and practice. After successful completion of this course, students may take the AP Psychology exam in May for college credit.

**Advanced Social Science**

**Introduction to College Political Science**

**.5 credit (SM)**

**11, 12**

**Dual Credit (POL 202) 4 cr. (U of M)**

This course provides the student with a broad overview of the American political system. Politics is broader than just government. It can be conceived of as the set of social processes through which values are distributed for a society. The course will examine history of political science, before moving on to discuss the basic understanding of how the American political system operates, its fundamental institutions and procedures, concepts, ideas, and theories. The student must complete the University of Mary course information sheet provided by instructor, pay the tuition rate and other necessary charges related to the course. Introduction to College Political Science is offered during fall semester each year.

**Introduction to College Political Science**

**.5 credit (SM)**

**11, 12**

**Dual Credit (POL 202) 4 cr. (U of M)**

This course provides the student with a broad overview of the American political system. Politics is broader than just government. It can be conceived of as the set of social processes through which values are distributed for a society. The course will examine history of political science, before moving on to discuss the basic understanding of how the American political system operates, its fundamental institutions and procedures, concepts, ideas, and theories. The student must complete the University of Mary course information sheet provided by instructor, pay the tuition rate and other necessary charges related to the course. Introduction to College Political Science is offered during fall semester each year. Students should be enrolled in or have completed POD I prior to taking Introduction to College Political Science.

## **BISMARCK CAREER & TECHNICAL EDUCATION CENTER on the BSC Campus**

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 11 & 12.

### **Trade, Industry and Technical Education**

Auto Collision I / Auto Collision II  
Automotive Technology I / Automotive Technology II  
Aviation I / Aviation II  
Carpentry: Framing / Carpentry: Interior  
Graphic Design / Digital Design  
Electronics I / Electronics II / Electronics III  
Welding I / Welding II

### **Agriculture Education**

Agri-Science Technology  
Applied Mechanics  
Botany/Horticulture

### **Medical Related Careers**

Medical Related Careers I / Medical Related Careers II  
Certified Nursing Assistant  
Medical Terminology  
Prevention and Care of Athletic Injuries

### **Engineering**

3D Modeling and Design  
Architectural Design  
Building Systems  
Energy Production & Process Technology  
Home/Office Networking  
Problems and Solutions in Engineering Technology  
Robotics Engineering  
Technical Video Production

### ST. MARY'S CO-CURRICULAR ACTIVITIES

Baseball	Basketball	Cheerleading
Drama	Football	Instrumental Music
Wrestling	Speech	
One Act Play	Volleyball	Student Congress
Soccer		
Track & Field	Tennis (Girls)	Vocal Jazz
Steel Drum Band	Vocal Music	Jazz
		Saintiques (Dance/Drill)

### CO-OP CO-CURRICULAR ACTIVITIES

Cross-Country	Golf (Girls)	Gymnastics	Hockey
Tennis (Boys)	Swimming	Fast Pitch Softball	

### CLUBS AND ORGANIZATIONS

Knights of Virtue	Forma VERITAS	Saints
for Life	Students Against Destructive Decisions	Student Council
National Honor Society	Leo Lions	Art Club
Assistant Chaplains	Science Club	Yearbook
Spanish Club	<i>The Messenger</i> (student newspaper)	Fellowship of Christian
Athletes	Science Olympiad	
Future Business Leaders of America	Math Team	Robotics

### 2015-2016 FEE SCHEDULE

#### SOCIAL SCIENCE

AP Biology	\$125.00 (per semester)
AP English 11	\$125.00 (per semester)
AP Psychology	\$125.00 (per semester)

#### COLLEGE COURSES (University of Mary)

AP Calculus (full year)	\$225.00 (per semester)
College Social Sciences (full year)	\$225.00 (per semester)
College Composition/AP English 12 (full year)	\$225.00 (per semester)
Advanced Algebra (full year)	\$225.00 (per semester)
The Catholic Disciple (semester)	\$225.00 (per semester)
College Speech (Oral Communications)	\$225.00 (per semester)

### 2015-2016 SPORT/ACTIVITY FEE SCHEDULE

EXTRA-CURRICULAR SPORT/ACTIVITY FEE	\$100.00 per
sport/activity	\$300.00 maximum per student