



# HIGH SCHOOL COURSE OFFERINGS

Effective Academic Year 2025-2026

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# **HIGH SCHOOL COURSE OFFERINGS**

## **9<sup>th</sup> GRADE COURSES**

### **CLASSICAL LITERATURE**

Classical Literature engages students with literary works from Greek, Roman, and Norse mythology through an analysis of their narratives and cultural significance. This course prepares students for advanced studies in literature and enhances skills applicable to careers in communication, law, education, and related fields. By the end of the course, the students will understand thematic depth, character development, and the historical context of these texts. The course encourages personal growth, self-expression, and critical engagement with diverse perspectives.

### **GEOMETRY**

Geometry introduces students to the fundamental principles of Euclidean space, emphasizing reasoning, proofs, and the relationships between geometric figures. Students will learn logical reasoning and proofs, geometric relationships, transformational geometry, and measurement of figures in two and three dimensions. The course develops spatial reasoning and problem-solving skills necessary for advanced mathematics, science, and technology-related fields. By fostering logical precision and problem-solving abilities, this course supports the integration of reason and critical-thinking, the pursuit of truth, and the appreciation of order and beauty in the world.

### **BIOLOGY**

Biology provides a detailed study of the fundamental principles that govern life and living systems, equipping students with scientific literacy and essential 21st century skills for advanced studies and careers in biological sciences, medicine, and related fields. Through the study of cellular organization, growth, energy use, reproduction, evolutionary adaptation and ecosystem dynamics, students will gain a deep understanding of the structures and mechanisms that sustain life. Students will leave with an appreciation of the complexity and beauty of creation, and a profound sense of respect for nature and all living things.

### **MODERN WORLD HISTORY**

Modern World History traces humanity's journey from the Age of Exploration to the Present, examining transformative events that shaped human civilization. Students develop historical thinking and inquiry skills vital for college and advanced studies in political science, law, international relations, and economics. Students will analyze the rise and fall of empires, technological advancements, and sociocultural transformations, enhancing their understanding of how past events have shaped the present. The course encourages moral and ethical

reflection, guiding students to apply historical insights to personal growth, social responsibility, and active citizenship.

## **FINE ARTS 9**

Fine Arts 9 introduces painting techniques and artistic expressions through hands-on practice and guided explorations. Students develop a comprehensive understanding of color theory, composition, and painting mediums, while exploring symbolism, perspective, and styles in Medieval and Renaissance art. The course helps students develop technical proficiency and find their unique artistic voice, gaining confidence in expressing complex ideas through faith-inspired creativity.

## **MUSIC APPRECIATION 1**

Music Appreciation 1 introduces students to the study of music by exploring its fundamental elements, historical styles, and cultural significance. The course covers key composers and musical forms from Antiquity to Renaissance through active listening, analysis and discussion. Students will leave with a deeper understanding on how music reflects the human experience and develop skills to appreciate and critically evaluate the evolution of Western music and its impact on the modern world.

# **10<sup>th</sup> GRADE COURSES**

## **AFRO-ASIAN LITERATURE**

Afro-Asian Literature explores the literary traditions of Asia (Philippines, Japan, Korea, and China), Africa, and the Middle East, fostering an understanding of how culture, history, and literature are interconnected. Students will develop cultural literacy and critical thinking, essential for academic success, and real-world skills like global awareness, effective communication, and cultural understanding. Students will interpret diverse texts, compare literary styles and themes, and engage in critical discussions. By examining literary techniques and themes within historical and cultural contexts, students develop a deeper appreciation of diverse narratives and their significance to the present.

## **ALGEBRA 2**

Algebra 2 challenges students to explore functions—linear, quadratic, polynomial, rational, exponential, and logarithmic—through problem-solving. Designed to support college readiness, this course reinforces analytical skills essential for advanced studies and problem-solving in Math. Students will learn to interpret and model functional relationships, solve equations, and apply mathematical reasoning to practical scenarios. By fostering logical and strategic thinking,

this course equips students with essential skills to tackle complex mathematical and real-world problems.

## **CHEMISTRY**

Chemistry examines the foundational principles about the composition, structure, and transformations of matter, equipping students with essential scientific and reasoning skills for advanced study, real-world problem-solving, and practical applications. Through the study of atomic and molecular structures, conservation of mass, thermodynamics, energy, and mathematical calculations, students will develop a deeper understanding of how matter shapes the physical world. Students will gain understanding of their physical surroundings, cultivate interest in natural processes, and develop the ability to make well-reasoned assessments about the world.

## **ECONOMICS**

Economics explores the core principles governing resource allocation and decision-making at individual and systemic levels, preparing students for college-level economic courses and career paths in business, finance, and entrepreneurship. The course helps students comprehend economic systems, market structures, government intervention, and global trade systems. Aligned with Catholic social teachings, the course enables students to become thoughtful economic stewards in both personal choices and community contexts.

## **FINE ARTS 10**

Fine Arts 10 builds on foundational skills on painting through advanced exploration of abstraction, realism, and mixed media techniques. Students refine technical proficiency through emphasis on dramatic lighting, idealized forms, and symbolism, while understanding Baroque and Neoclassical Art. Students combine various techniques to express complex ideas confidently, deepening their artistic identity while preparing for future creative challenges.

## **MUSIC APPRECIATION 2**

Music Appreciation 2 delves deeper into the historical and cultural development of music from the Baroque to Contemporary periods. Students will examine the elements of music in relation to different stylistic periods. Through active listening, analysis, and discussion, they will refine their critical listening skills and gain a deeper appreciation for music's influence on society, emotions, and storytelling. By the end of the course, students will develop a broader perspective on music's significance and its profound connection to human existence.

## **CAREER-ORIENTED ELECTIVES FOR 9<sup>th</sup> AND 10<sup>th</sup> GRADE**

### **ENVIRONMENTAL SCIENCE**

Environmental Science investigates relationships between ecological systems, human influence, and climate dynamics, cultivating analytical thinking essential for STEM pathways and environmental careers. The course builds understanding of ecological principles, human environmental impacts, systems thinking, and sustainability solutions. By connecting scientific principles with ethical considerations, students gain appreciation for Earth's natural systems while developing personal commitment to environmental stewardship.

### **ADVANCED ROBOTICS**

Robotics with Text-Based Coding introduces students to C++ programming through hands-on Arduino projects. This course builds foundational skills essential for college pathways and careers in computer science, engineering, data science, and machine learning. By balancing algorithmic logic with engineering design processes, students learn to translate abstract concepts into functional robotic solutions. The course strengthens computational thinking capabilities, teaching students to analyze complex problems methodically, identify component relationships, and construct logical solutions through iterative testing and refinements.

### **COMMUNICATION AND RHETORICS**

The Communication and Rhetoric course develops students' skills in persuasive speaking, critical analysis, and effective communication across written and multimedia formats. Through diverse texts and materials, students learn to construct strong arguments, refine public speaking, and adapt their communication for academic, professional, and civic contexts. Emphasizing clarity and confidence, the course fosters critical thinking, respectful dialogue, and collaboration, preparing students for college, careers, and engaged citizenship.

### **FINANCIAL MATH**

Financial Math develops essential skills for managing personal and business finances through mathematical analysis. It supports careers in finance, business, and economics while strengthening financial decision-making in practical aspects of life. Students will master interest calculations, investment growth, risk assessment, and financial planning. By aligning real-world math with financial literacy and critical thinking, the course promotes sound decision-making and ethical financial management integral to responsible Christian leadership.

### **GUITAR ENSEMBLE**

Guitar Ensemble develops performance-based skills in collaborative guitar playing. Focusing on effective practice methods, and musical interpretation, students develop proficiency in notation reading and ear training abilities, while exploring diverse musical genres and arrangements. The discipline, teamwork, and performance experience gained prepare students for college music

programs and careers in performance or production, fostering both technical proficiency and deeper musical appreciation.

## **11<sup>th</sup> GRADE COURSES**

### **WESTERN LITERATURE**

Western Literature examines justice, identity, and authority within major Western literary movements. Using literary theories, students analyze how canonical texts create meaning and shape culture, sharpening reasoning and building skills for careers in law, journalism, education, and writing. Through reading and discussion, they explore literature's role in shaping truth, morality, and human dignity, integrating reason while discerning historical values and contemporary challenges. This course cultivates critical thinking, sound judgment, and respectful dialogue, helping students engage with great works, form meaningful questions, and express reasoned perspectives on the human experience.

### **PRECALCULUS**

Precalculus strengthens students' understanding of algebra, functions, and graphical analysis, equipping them with essential skills for higher mathematics. The course fosters logical reasoning and problem-solving skills providing a critical bridge between STEM fields and college-level coursework. Students handle polynomial and logarithmic functions, trigonometric equations, and an introduction to limits, offering a deep exploration of mathematical structures. By studying the recurrence of mathematical patterns in the natural world, students develop an appreciation for the structure and order inherent in the physical world.

### **PHYSICS**

Physics investigates the motion of objects and the forces acting on them according to deterministic mathematical laws, enabling the prediction of how physical bodies behave under various conditions. The course builds students' fundamental understanding of physical systems and quantitative reasoning skills relevant for advanced studies in physics, engineering, and other STEM disciplines. Through real-life explorations, students will understand the kinematics of motion, the fundamental laws of motion, the interplay between energy and momentum, and the mechanics of waves. By engaging in inquiry-based learning and practical applications, students will cultivate problem-solving abilities, scientific reasoning, and innovative thinking crucial for modern technological advancements.

### **RESEARCH (CAPSTONE)**

This interdisciplinary capstone course guides students through the complete research process, from inquiry to analysis, fostering independence and scholarly rigor essential for higher

education and careers. Students will master research methodologies, evaluate data and evidence, and apply ethical considerations in academic inquiry by formulating meaningful questions and engaging in reflective problem-solving, strengthening their ability to navigate objective reality, make reasoned judgments, and contribute thoughtfully to academic discourse.

## **12<sup>th</sup> GRADE COURSES**

### **LITERARY THEORY**

Literary Theory explores how we read, interpret, and analyze texts through established and emerging perspectives. Students apply frameworks of language, ideology, and culture to enhance analytical precision and interdisciplinary insight, preparing for higher education and careers in law, journalism, and media. Through critique and discussion, they examine meaning, challenge assumptions, and explore how these forces shape interpretation. This course fosters critical, reflective, and creative thinking, encouraging students to ask meaningful questions, think independently, and make reasoned judgments while recognizing literature's influence on human thought and society.

### **STATISTICS**

Statistics builds the foundational skills in collecting, organizing, presenting, and interpreting data to make meaningful inferences, useful for courses and professional fields requiring data analysis. Students will work with statistical tools to evaluate uncertainty, test claims, and model predictions using real datasets. By the end of the course, students will enhance their ability to interpret data, make sound decisions based on evidence, and draw precise conclusions through statistical reasoning.

### **COMPARATIVE GOVERNMENT AND POLITICS**

Comparative Government and Politics examines political systems and civic engagement, equipping students with analytical and critical thinking skills necessary for careers in political science, law, diplomacy, and public administration. Students analyze governmental structures, institutional functions, political cultures, citizen participation, electoral systems, and leadership ethics to understand societal frameworks. Aligned with Catholic social teachings, the course promotes ethical leadership, social responsibility, and a dedication to justice and the common good.



## **INTRODUCTION TO PHILOSOPHY**

The study of Philosophy explores fundamental questions about reality, knowledge, and values. The course nurtures critical thinking, effective communication, and ethical reasoning, preparing students for advanced studies and a variety of career paths. Through reasoned inquiry, diverse perspectives, and practical application, philosophy encourages self-reflection and integrates faith with reason. Grounded in historical insights, it aims to develop a coherent understanding of God, humanity, and the world.

## **CAREER-ORIENTED ELECTIVES FOR 11<sup>th</sup> AND 12<sup>th</sup> GRADE**

### **SET A COURSES**

#### **LEADERSHIP AND MANAGEMENT FOR SOCIAL TRANSFORMATION**

Leadership and Management for Social Transformation equips students with the leadership skills needed to create meaningful social change through a foundation in faith-based values, servant leadership, and ethical decision-making. Grounded in Catholic teachings, the course fosters a mission-driven commitment to service, integrity, and responsibility. Through case studies and real-world applications, students develop the skills to lead with purpose and positively impact society. Supporting the school's mission of shaping Christian leaders, this course prepares students to transform their communities through service-driven leadership.

#### **GENETICS AND EVOLUTION**

Genetics and Evolution explores the interplay between genetic mechanisms and evolutionary processes, offering students a comprehensive understanding of the principles underlying biological diversity and adaptation. The course develops analytical and problem-solving skills essential for careers such as biotechnology, medicine, and environmental science. Students investigate the molecular mechanisms of inheritance, gene expression, and regulation, evolutionary processes and the ethical implications of genetic advancements. This course fosters the development of a moral framework that respects life's inherent dignity and the responsible use of scientific knowledge, recognizing the moral implications of genetic technologies and evolutionary understanding.

#### **ENGINEERING SCIENCE**

Engineering Science explores the interdisciplinary principles of physics, mathematics, and technology that form the foundation of engineering where students develop analytical and problem-solving skills applicable to engineering fields as preparation for college and careers in STEM. Through the study of statics of rigid and deformable bodies, they gain a deep understanding of forces, equilibrium, and material behavior fostering an appreciation for the

elegance of natural laws and instills a responsibility to apply engineering solutions that adhere to recognized theories of strength of materials.

## **INTRODUCTION TO PSYCHOLOGY**

Psychology provides students with foundational perspectives on human behavior (biological, cognitive, behavioral, humanistic, psychodynamic, sociocultural, and evolutionary). Through its examination of human behavior and social interactions, the course establishes foundational knowledge for students pursuing careers in psychology, healthcare, education, and business, equipping them with practical interpersonal competencies. By the end of the course, students will gain comprehensive insights into human cognition and social functioning. Students will leave with a developed sense of self-awareness, ethical decision-making skills, and a deeper understanding of personal responsibility, fostering maturity and a commitment to personal and social growth.

## **MUSICAL THEATRE**

Musical Theater immerses students in the art of performance through integrated singing, acting, and movement training. Students develop vocal technique, stage presence, and character interpretation skills while exploring diverse theatre styles from classic to contemporary. This course cultivates self-expression, collaborative abilities, and performance confidence—valuable skills for college theater programs and careers in performing arts, education, or entertainment industries. Students develop deeper self-awareness of their artistic capabilities through musical self-expression, building confidence that extends beyond performance.

## **SET B COURSES**

### **HEALTH SCIENCE**

Health Science explores human anatomy, physiology, health and disease, and the ethical dimensions of medical practice. Students develop analytical and problem-solving skills essential for careers in medicine, nursing, and allied health while examining ethical dilemmas in healthcare. The course integrates scientific principles with moral responsibility, fostering critical thinking and ethical decision-making. Rooted in bioethics and human dignity, it inspires students to seek truth, serve others, and uphold the sanctity of life in their future professions.

### **DATA ANALYTICS**

Data Analytics guides students through the complete data analytics process, from data extraction and storage to predictive modeling and business intelligence, using SQL, Excel, and Power BI. It equips students with essential skills for careers and further studies in data science, business, and technology. Students will develop expertise in data transformation, visualization, AI-driven analysis, and developing boards to support decision-making by engaging in real-world projects. While enhancing critical thinking, ethical reasoning, and problem-solving, the course

fosters leadership in data-driven environments, aligning with the standards of integrating faith and reason, responsible decision-making, and Christian leadership in service to society.

## **INTRODUCTION TO SOCIOLOGY**

Sociology examines how humans interact within groups and how these interactions shape and are shaped by larger social structures. This knowledge prepares students for further study in fields including political science, education, urban development, public policy, and social services. By honing analytical skills, students gain deep insights into human behavior, societal frameworks, cultural patterns, and social interactions. The course cultivates compassionate Christian leaders dedicated to justice, empathy, and ethical responsibility, advancing the Catholic Church's vision for positive societal transformation.

## **FUNDAMENTALS OF BUSINESS**

Fundamentals of Business introduces core concepts in marketing, finance, and entrepreneurship through both theoretical frameworks and hands-on applications. This course hones future business leaders that thrive in either corporate or start-up ventures. Students will acquire practical skills in consumer behavior analysis, financial planning, and business model creation [UNDERSTANDING]. The curriculum emphasizes developing students' ability to think critically about business problems, create viable solutions, and understand the ethical implications of business decisions in local and global contexts.

## **STUDIO ART**

Studio Art offers students the opportunity to refine their artistic skills, explore diverse techniques and materials, and cultivate a distinctive artistic voice through advanced methods, creative exploration, and conceptual development. Students engage in independent projects, deepen their understanding of art history and contemporary practices, and gain professional-level skills that prepare them for careers in the arts. They depart with a deeper understanding of their innate creative talents, a profound appreciation for the complexity of artistic creation, and a respect for the transformative power of art in reflecting culture, history, and the human experience.