

HIGH SCHOOL COURSE CATALOG

23-24 School Year



Divine Savior Academy
— SIENNA —

course catalog

CORE CURRICULAR COURSES

ENGLISH LANGUAGE ARTS

English 1: Introduction to Academic English

ELA1001

Credit: One (1) Credit

English I is a course that will reflect on the interconnected nature of reading, writing, listening, speaking, and thinking. The students will highlight these areas through language workshops, close reading, writing workshops, and assessments. The students will analyze texts; create evidence-based writing; apply higher-order questioning; and use given guidelines to create academic conversations. Keeping God's Word at the forefront of our education, we will look at the texts with the mindset of a Christian while exploring other worldly views in literature and writing. We will adhere to the words given in Colossians 3:23 "Whatever you do, work at it with all your heart, as working for the Lord, not for men, since you know that you will receive an inheritance from the lord as a reward. It is the Lord Christ you are serving."

Prerequisite: 8th Grade English or equivalent

English 2: Academic English Applications

ELA1002

Credit: One (1) Credit

English 2 builds upon the skills learned in English 1. Students use fiction and nonfiction texts to further their understanding of the English language and how authors use writing to communicate to various audiences. Each quarter, students explore a different topic or question and use various texts, critical thinking and discussion, and writing to formulate an application or answer.

Prerequisite: English 1: Introduction to Academic English or 9th grade equivalent

Speech

ELA1003

Credit: Half (0.5) Credit

In this course, students examine and practice the art of public speaking. Public speaking is one of the most desired traits for a new employee to have in today's workforce. Why? In today's digital world, it is becoming more and more difficult to find someone who has the skills to *verbally* communicate clearly, concisely, and in an engaging way. Technology is robbing us of one of the most influential skills known to mankind. Students will learn both delivery and listening skills in order to get the most from either being in the audience or being the one presenting the information.

Grade Level: 10-12

American Literature

ELA1004

Credit: Half (0.5) Credit

This one semester course of American Literature will contain some of America's most treasured authors. Remembering our past and its' diversity, students will read a variety of American short stories, poetry, and novels. A major part of this class will be critically analyzing literature; discussing literary terms and historical background; writing critically in essays; applying a Christian worldview; and completing a culminating project.

Prerequisite: English 2: Academic English Applications or 10th grade equivalent

Creative Writing

ELA1005

Credit: Half (0.5) Credit

In this one semester long course, students will continue to improve upon their writing and grammar skills by focusing on word choice, tone, sentence variety, and vocabulary. The semester will include studying famous writers in a variety of styles to inspire the students' writing in short stories, poetry, nonfiction essays, and in a final 3-4 page research paper.

Prerequisite: English 2: Academic English Applications or 10th grade equivalent

MATHEMATICS

Math for Future Success

MAT1000

Credit: One (1) Credit

Mathematics is an integral part of every school's curriculum. In this course, students are given instruction that provides the necessary building blocks to continue math at the algebraic level. Course content includes detailed use of arithmetic operations, graphs, number sets, measurement, ratios, exponents, expressions, equations, development of algebraic skills, geometric manipulations, introduction to statistics and probability, and applications to life through real-world story problems. Through successful completion of this course, students will be prepared to advance to Algebra 1 or an equivalent course.

Prerequisite: None

Algebra 1

MAT1001

Credit: One (1) Credit

In Algebra 1, students are given an instruction that provides the necessary building blocks to continue math at the High School level. Students are given instruction in algebraic foundations and will have a mastery of such material. Course content includes complex use of arithmetic operations, graphs, number sets, equations and functions, measurement and conversions, ratios, exponents and roots, statistics, as well as applications to life through real-world story problems. Through successful completion of this course, students will be prepared to advance to Geometry, Algebra 2 or an equivalent course.

Prerequisite: 73% or better in Pre-Algebra/Math for Future Success or equivalent class

Geometry

MAT1002

Credit: One (1) Credit

Geometry is an integral part of every high school mathematics curriculum. Course content includes perspective, space, dimension, application and calculation of measurements, and an introduction to trigonometry. Students will use their own logic along with key geometry theorems to create proofs and constructions. Through successful completion of this course, students will be prepared to advance to Algebra II or Pre-Calculus (if Algebra II has already been successfully completed).

Prerequisite: 73% or better in Algebra 1

Honors Geometry

MAT3002

Credit: One (1) Credit

In addition to the core course description, honors/advanced courses offer various learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they develop and demonstrate their skills through participation in more advanced coursework, projects, and/or other forms of evaluation.

Prerequisite: 83% or better in Algebra 1

Algebra 2 and Pre-Trigonometry

MAT1003

Credit: One (1) Credit

A mastery of advanced algebraic concepts is critical for success in mathematics at a more advanced level. In this course, students will complete mathematics instruction at the algebraic level. Course content includes work with graphs, number sets, and various modes of measurement and conversions, as well as statistics and probability. In addition, students develop mastery in the areas of simplifying expressions, solving equations, and geometric manipulations.

Algebra 2 focuses heavily on the use of the quadratic formula, logarithms, trigonometry, and making connections to everyday life through real-world story problems. Through successful completion of this course, students will be prepared to advance to Geometry, Honors Pre-Calculus and Trigonometry, or an equivalent course.

Prerequisite: 73% or better in Geometry/Honors Geometry

Honors Algebra 2 and Pre-Trigonometry

MAT3003

Credit: One (1) Credit

In addition to the core course description, honors/advanced courses offer various learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they develop and demonstrate their skills through participation in more advanced coursework, projects, and/or other forms of evaluation.

Prerequisite: 83% or better in Geometry/Honors Geometry

Pre-Calculus

MAT2004

Credit: One (1) Credit

This course fully integrates topics from algebra, geometry, trigonometry, discrete mathematics, mathematical analysis, and calculus. Word problems are developed throughout the problem sets and become progressively more elaborate. With regular practice, students will be able to solve challenging problems such as rate problems and problems involving abstract quantities. Conceptually oriented problems help prepare students for college entrance exams such as the ACT and SAT. This course will prepare students to enroll in AP level courses such as calculus and/or statistics.

Prerequisite: 73% or better in Algebra 2 & Pre-Trigonometry

Honors Pre-Calculus

MAT3004

Credit: One (1) Credit

In addition to the core course description, honors/advanced courses offer various learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they develop and demonstrate their skills through participation in more advanced coursework, projects, and/or other forms of evaluation.

Prerequisite: 83% or better in Algebra 2 & Pre-Trigonometry

Foundational Skills

MAT2005

Credit: One (1) Credit

This course is designed to continue mathematics study beyond Algebra II in preparation for standardized testing and entry level college math courses. Topics will include functions, polynomials, rational functions, conics, exponential and logarithmic functions, probability and statistics, sequences and series, and basic trigonometry.

Prerequisite: Geometry or equivalent class

SCIENCE

Biology

SCI1001

Credit: One (1) Credit

Biology 1 is a high school course designed to provide exploratory experience, laboratory investigations, and real-life applications in the field of the Biological Sciences. The students will study a variety of different topics such as the nature of life, ecology, cells, genetics, microorganisms, plants, animals, and the human body. In addition to these topics, we will also study the secular world view of evolution in light of our Biblical World View. Through the completion of this course students will better understand, appreciate, and utilize God's creation to make God-pleasing decisions that will benefit the spiritual, moral, and emotional welfare of all people on earth.

Prerequisite: None

Chemistry

SCI1002

Credit: One (1) Credit

Chemistry is the study of the structure of matter and the changes it undergoes. This course provides students with the fundamentals of modern chemical theory and emphasizes the wisdom of God in creating matter, the complexity and order of His Creation, and how human beings have applied his understanding to solve problems and use materials in modern society. Topics include modern atomic theory, stoichiometry, thermodynamics, equilibrium, and nuclear chemistry. The utilization of scientific inquiry, interactive experiences, higher order thinking, collaborative projects, real world application through labs, and a variety of assessments all aid students in ultimately demonstrating a deeper understanding of the importance of chemistry in the world around them.

Prerequisite: Biology

Honors Chemistry

SCI3002

Credit: One (1) Credit

In addition to the core course description, honors/advanced courses offer various learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they develop and demonstrate their skills through participation in more advanced coursework, projects, and/or other forms of evaluation.

Prerequisite: 83% or better in Biology

Physics

SCI1003

Credit: One (1) Credit

This course provides students with a modern view of the fundamental concepts of physics. Students learn essential concepts of physics through demonstrations, laboratory work, and discussion. Careful gathering and analysis of quantitative data is stressed. Some of the topics covered in this course are mechanics, electricity and magnetism, sound, and light. The course stresses God's preeminence over his creation and demonstrates the order of his work.

Prerequisite: Chemistry

AP Physics

SCI4003

Credit: One (1) Credit

AP Physics is an algebra-based introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.

Prerequisite: 83% or better in Chemistry and Algebra 2 and department approval

Human Anatomy

SCI2001

Credit: Half (0.5) Credit

This advanced science elective is an in-depth exploration of the many interworking parts of the human body and their functions. The course focuses on anatomical terminology, identification, and the physiological processes of the human body systems. Students enrolled in the elective are expected to allocate an extensive amount of time, effort, reading, and memorization into their studies. For students interested in continuing into the medical sciences, this course is strongly encouraged.

Prerequisite: Biology

SOCIAL STUDIES

World History

SCS1001

Credit: One (1) Credit

This course traces the development of society today from ancient civilizations through present day in a thematic structure. Emphasis will be placed on historical reasoning skills and making connections through time. Students will be led through a series of units that examine the connections between time periods based on topics such as economics, wars, society, and world religions. Though primarily a course in global history, this class will draw upon materials and pedagogical approaches from other disciplines, such as geography, literature, political science, and art.

Prerequisite: None

United States History

SCS1002

Credit: One (1) Credit

The purpose of this course is to expand the knowledge of the students pertaining to United States history. Content includes a comprehensive review of early United States history at the beginning of the course. The primary emphasis for this class is the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and impacted world history. Students will be exposed and engaged in higher-level critical thinking skills throughout the course while taking a detailed look at a variety of important political, social, and economic issues encountered in the United States, both past and present.

Prerequisite: World History or equivalent class

United States Government

SCS1003

Credit: Half (0.5) Credit

United States Government is a one-semester course. Its goal is to foster the development of civic competence and civic participation for all students. In this course, students use both knowledge and analytical thinking skills to focus on the origins, structure, and functions of government at all levels in the nation. Emphasis is placed on intellectual factors that influenced the development of a republic based on the rule of law, freedom of opportunity, individual liberty, and representative democracy. The course also includes studying the Constitution of the United States and its provisions. Students in this course will engage in analysis of primary sources, including those specific to the founding of the United States, speeches, landmark Supreme Court cases, and relevant political commentaries.

Prerequisite: United States History or equivalent class

Economics

SCS1004

Credit: Half (0.5) Credit

Economic decisions affect all people. Understanding economics means thinking about how scarcity, or limited resources, requires people to make choices and evaluate one option against others. In this course, students will recognize examples of economics in their daily lives. Students will see how the economic choices of larger groups, like businesses and governments, affect themselves and others. As students progress through the course, they will recognize that the costs and benefits of choices connect individuals and groups around the world. The purpose of this course is to help students become a smart consumer who understands the flow of an economy between individuals, businesses, governments, and the rest of the world.

Prerequisite: United States History or equivalent class

Introduction to Psychology

SCS2001

Credit: Half (0.5) Credit

This course is a one-semester elective that evaluates psychology from a Christian perspective. Students will gain a basic understanding of human behavior. Students will become acquainted with basic principles and theories of psychology in preparation for a life under Christ. Such knowledge will help the student to better serve Him within the many relationships of adult life.

Grade Level: 10-12

Introduction to Sociology

SCS2002

Credit: Half (0.5) Credit

Sociology is a one-semester course that introduces students to the study of society, social institutions, and social relationships. The basic understanding of human behavior is examined from the perspective of social norm and expectation. From the perspective of God's revealed truth in scripture, students will learn about humanity's relationship between self and others to better understand human action and interaction.

Grade Level: 10-12

THEOLOGY

The Gospel: The Word Became Flesh

THE1001

Credit: One (1) Credit

A study of the Gospel of John using the author's "pictures" of Christ (e.g. Great Physician, Servant) to reveal Jesus as the Messiah, the Son of God. The course also includes foundational units examining the authority and reliability of the Bible, the birth of Christ, and the meaning of sin, grace, truth, love, and life. It concludes with the formation and growth of the New Testament church in the Book of Acts.

Prerequisite: None

Old Testament: In the Beginning

THE1002

Credit: One (1) Credit

A study of the Old Testament, which focuses on God's plan of salvation rooted in human history, from Genesis to Daniel. The study also includes a survey of Psalms and Proverbs, with an overview of Old Testament worship as it foreshadows the promised Messiah.

Prerequisite: None

Christian Doctrine: Grace and Truth

THE1003

Credit: One (1) Credit

This course explores the most important doctrines/beliefs of Christianity, drawing predominantly from the New Testament Epistles. The purpose of this course is to establish the foundation of the Christian faith and a framework for Biblical thinking. These doctrines include but are not limited to God, humanity, Christ, justification, vocation, and end times.

Prerequisite: None

ELECTIVE COURSES

BUSINESS

Personal Finance

BUS2001

Credit: Half (0.5) Credit

This practical course helps students learn how to glorify God by practicing principles of sound financial stewardship and prepares them for life after high school. Topics covered include saving, budgeting, debt, life after high school, consumer awareness, bargain shopping, investing and retirement, insurance, money & relationships, careers, taxes, real estate & mortgages, and giving.

Prerequisite: Algebra 1 or equivalent class

PHYSICAL EDUCATION

Physical Education 9

PEH1001

Credit: Half (0.5) Credit

Physical Education 9 is designed to have students test the physical limits of their bodies through a variety of exercises, workouts, and fitness activities. Students will use the five components of fitness as a basis for what we do and why we do it. We will also discuss the benefits and risks that exist when participating in strenuous physical activities. The goal of this course is to create knowledgeable teens who understand the benefits of daily physical activity to live a healthy lifestyle well beyond their schooling years.

Prerequisite: None

Health

PEH1002

Credit: Half (0.5) Credit

This course is an overview of health and wellness as it relates to an individual and his/her behaviors. The course will lead to a greater appreciation of the marvels of the human body and an understanding of how to treat those bodies as "temples of the Holy Spirit." In addition, students will explore the many issues facing them as young adults which will impact them as they grow into adulthood. The importance of decision-making and responsibility will be discussed as it relates to unit topics which include healthy living, mental health, stress, personal fitness, nutrition, weight management, alcohol and other drug abuse, and tobacco. This course is an overview of health and wellness as it relates to an individual and his/her behaviors. It is a life skills course and will teach students the importance of leading a healthy and active lifestyle.

Prerequisite: None

SCIENCE, TECHNOLOGY, ENGINEERING, & MATH (S.T.E.M.)

Automation & Robotics

STM1000a

Credit: Half (0.5) Credit

This course serves as a transition into the Introduction to Engineering Design course offered in our High School STEM program. Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX

Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.

Prerequisite: None

Design & Modeling

STM1000b

Credit: Half (0.5) Credit

This course is a foundation for STEM and provides more exposure to the three major fields PLTW tackles: Biomedical Sciences, Computer Sciences, and Engineering. Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they have learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

Prerequisite: Automation & Robotics

Honors Introduction to Engineering Design

STM3001

Credit: One (1) Credit

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, Vex Robotics equipment, and use an engineering notebook to document their work.

Prerequisite: None

Honors Principles of Engineering

STM3002

Credit: One (1) Credit

Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Prerequisite: Admittance into high school PLTW program or 83% or better in Algebra 1

Honors Civil Engineering and Architecture

STM3003

Credit: One (1) Credit

Civil Engineering and Architecture (CEA) is a high school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Prerequisite: 83% or better in Geometry

WORLD LANGUAGES

Spanish 1

LAN2001

Credit: One (1) Credit

This course provides basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level. Through successful completion of this course, students will be prepared to advance to Spanish 2.

Prerequisite: None

Spanish 2

LAN2002

Credit: One (1) Credit

This course provides continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level. Through successful completion of this course, students will be prepared to advance to Spanish 3.

Prerequisite: Spanish I

Honors Spanish 2

LAN3002

Credit: One (1) Credit

In addition to the core course description, honors/advanced courses offer various learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they develop and demonstrate their skills through participation in more advanced coursework, projects, and/or other forms of evaluation.

Prerequisite: 83% or better in Spanish I

Honors Spanish 3

LAN3003

Credit: One (1) Credit

This course consolidates skills acquired at the introductory (beginning) levels. It provides further development of proficiency in listening, speaking, reading, and writing. It emphasizes comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the intermediate level. Through successful completion of this course, students will be prepared to advance to Spanish 4.

Prerequisite: 83% or better in Spanish 2

French 1

LAN2005

Credit: One (1) Credit

This course focuses on developing communicative skills in French language as well as cultural knowledge about the French speaking world. Beginner speaking and listening comprehension will be achieved thanks to communication through exercises of pronunciation, vocabulary, grammar, and construction of basic sentences. The class will develop students' knowledge in the application of daily, real-life situations, which will lead to meaningful conversation in French.

Prerequisite: None

French 2

LAN2006

Credit: One (1) Credit

This course focuses on developing communicative skills in French language as well as cultural knowledge about the French speaking world. Beginner speaking and listening comprehension will be achieved thanks to communication through exercises of pronunciation, vocabulary, grammar, and construction of basic sentences. The class will develop students' knowledge in the application of daily, real-life situations, which will lead to meaningful conversation in French.

Prerequisite: French 1

FINE ARTS

Painting 1

FNA2001

Credit: Half (0.5) Credit

This painting class is designed to introduce students to painting skills, techniques, and concepts, with emphasis on the understanding the fundamentals of artistic expression. It is also an opportunity for more advanced artists to gain visual and creative practice in paint that will enhance any artistic endeavor. The objective of this class is to provide the “tools” necessary to paint with confidence and to develop knowledge of color theory, compositional structure, and visual perception. Students will study and research major painting styles and movements in historical context. Assignments will lead the student to express individual creativity.

Prerequisite: None

Painting 2

FNA2002

Credit: Half (0.5) Credit

Continuing the foundations of Painting 1, this course challenges students to further develop painting skills and techniques. Students will develop a deeper understanding and implementation of the elements of painting including color, value, composition, scale, space, form, volume, texture, and light.

Prerequisite: None

Choir

FNA2003

Credit: Half (0.5) Credit

This class does not require prior music experience. It promotes the enjoyment and appreciation of music through performance of beginning choral repertoire from a variety of times and places. Rehearsals focus on the development of critical listening skills; foundational instrumental technique and skills, music literacy, and ensemble skills; and aesthetic musical awareness culminating in periodic public performances.

Prerequisite: None

GENERAL ELECTIVES

Teen Leadership

GEN1001

Credit: Half (0.5) Credit

Students will study and practice the habits of effective and innovative leaders. As the Christian leaders of tomorrow, students will research, analyze, and reflect on leadership strategies and opportunities available to them. They will engage with community leaders to learn ways in which, as teens, they can already impact a community of people. This course is focused on best practices and action in leadership.

Prerequisite: None

Intro to Computer Science

GEN1002

Credit: Half (0.5) Credit

This course provides an introduction to the basic concepts of computer science, programming, and computational thinking. Students will learn how to design and implement simple algorithms, write code in a programming language, and solve problems using logical reasoning and critical thinking skills.

Prerequisite: None

ONLINE COURSES

Divine Savior Academy encourages students to take advantage of the opportunities available through online coursework. All courses require prior approval from the administration, and only courses that will be allowed to count towards meeting graduation requirements for Divine Savior Academy will be utilized in calculating student GPAs. All outside coursework is considered independent study and is not directly supervised by school personnel. Some online courses require additional fees.

BETHANY LUTHERAN COLLEGE – DUAL CREDIT

Courses offered in the Bethany Lutheran College program are listed in the table below. Only 11th and 12th graders may take these courses.

Semester 1 Courses	Semester 2 Courses
College Writing 1	College Writing 1
	American Government

American Government

BLC4001

Credit: Half (0.5) Credit

College Credits: 3

Introduces the student to the American system of government, and to foster an understanding of and appreciation for the Constitution of the United States. Review how federal institutions function and the management thereof, the role and function of the state, regional and local units of government, and a glimpse of political campaigns and elections.

College Writing 1

BLC4002

Credit: Half (0.5) Credit

College Credits: 3

Through a variety of writing assignments and activities, successful students of ENGL 110 will learn to generate ideas, experiment with ways to express them, and craft their thinking on paper into effective, reader-based prose both for academic and creative settings.

AMAZING GRACE VIRTUAL ACADEMY

Amazing Grace Virtual Academy is a fully accredited online school sponsored by the Wisconsin Evangelical Lutheran Synod and features a variety of college-prep, Advanced Placement, and Dual Enrollment online courses. Once a student enrolls in one of these courses, the course cannot be dropped. Courses offered through this online portal are listed in the table below. Only 11th and 12th graders may take AP courses.

Semester 1 Courses	Semester 2 Courses	Full-Year Courses
Art: DaVinci Club	Art: Digital Photography	American Sign Language 1
Computer Applications	Astronomy	American Sign Language 2
Intro to Programming	British Literature	AP 2D Art Design
Music Appreciation	Computer Graphics	AP Computer Science A
Personal Finance	Game Programming	AP Computer Science Principles
Science Fiction/Fantasy Literature	Intro to Digital Media and Design	AP Environmental Science
Web Page Design		AP Psychology

Art: Da Vinci Club

AGVA2001

Credit: Half (0.5) Credit

Flying machines, hydraulic lifts, anemometers, canons, scuba gear, robotic knights are just a few of the inventions created by Leonardo da Vinci. What does it take to be an inventor? This hands-on course will explore how to use science, technology, engineering, art, and math (STEAM) to create innovative inventions, and will incorporate experimental activities that promote creativity and critical thinking.

Prerequisite: None

Grade Level: 9-12

Art: Digital Photography

AGVA2002

Credit: Half (0.5) Credit

In this introductory course, students will learn the basic principles of digital photography and photography techniques to create works of art using a digital camera or phone camera.

Prerequisite: None

Grade Level: 9-12

Astronomy

AGVA2003

Credit: Half (0.5) Credit

This course explores the wonders of the heavens above us. Students will gain an appreciation for God's majesty as revealed in His universe. Students will learn what an astronomer studies. Students will finally learn to navigate the night sky for personal enjoyment

Prerequisite: None

Grade Level: 10-12

American Sign Language 1

AGVA2004

Credit: One (1) Credit

A beginning level course that focuses on the fundamental elements of American Sign Language (ASL) in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills in fingerspelling and thematic units while learning the visual language (short conversations) and culture of the Deaf.

Prerequisite: None

Grade Level: 10-12

American Sign Language 2

AGVA2005

Credit: One (1) Credit

A continuation of American Sign Language (ASL) 1. Emphasis is placed on the progressive development of expressive and receptive skills in fingerspelling and thematic units while learning the visual language (short conversations) and culture of the Deaf.

Prerequisite: American Sign Language 1

Grade Level: 11-12

British Literature

AGVA2006

Credit: Half (0.5) Credit

British Literature is a one-semester junior or senior English elective. It is a chronological study of British literature over time, beginning with Anglo-Saxon England and some of the earliest known literature written in the English language, to contemporary 20th-century writings. Genres included are poetry, historical reports, short stories, and plays of established writers of England, Scotland, Wales, and Ireland. An emphasis will be placed on how the government, the church, and society impact the literature of any given age.

Prerequisite: Two years of high school English (B- or better)

Grade Level: 11-12

Computer Applications

AGVA2007

Credit: Half (0.5) Credit

In *Computer Applications*, students learn basic technological skills that will be useful in high school and beyond. The course will make use of Google applications to learn how to create and format reports, spreadsheets, forms, and presentations, as well as review email etiquette, digital citizenship, and basic copyright laws.

Prerequisite: None, but basic computer knowledge is assumed

Grade Level: 9-10

Computer Graphics

AGVA2008

Credit: Half (0.5) Credit

An introduction to raster and vector graphic editing software to create, edit, and manipulate images and drawings. These skills can then be applied to complete projects in other courses during and after high school, in the workplace, and for personal use.

Prerequisite: None, but basic computer knowledge is assumed

Grade Level: 10-12

Game Programming

AGVA2009

Credit: Half (0.5) Credit

Students will have the opportunity to write code to create and run simple 2-D and 3-D game programs using the Unity game engine. Using step-by-step instruction and hands-on projects, students will learn how to develop, test, run and debug games that feature graphics and sound effects. The project(s) developed over the length of this course will encourage students to consider pursuing a technology-related career that will influence the learning of others.

Prerequisite: Introductory programming course or consent of instructor

Grade Level: 10-12

Introduction to Digital Media and Design

AGVA2010

Credit: Half (0.5) Credit

Introduction to Digital Media introduces theories, concepts, and techniques of audio and visual media. Students will be able to apply these skills to create a portfolio of projects demonstrating a variety of digital media types. Students will also apply ethical and legal responsibilities in creation of multimedia content.

Prerequisite: None, but basic computer knowledge is assumed.

Grade Level: 9-12

Introduction to Programming

AGVA2011

Credit: Half (0.5) Credit

A hands-on introductory computer-programming course. Students will learn to write computer programs using the ubiquitous JavaScript computer programming language. In this process, students will exercise and grow their God-given technology skills and prepare to use these gifts in service in their homes, churches, communities, and future vocations.

Prerequisite: None, but basic computer knowledge is assumed.

Grade Level: 9-12

Music Appreciation

AGVA2012

Credit: Half (0.5) Credit

Students will gain a better understanding of the blessings God gives through music, preparing them for life and for eternity in praise and worship. Music theory fundamentals, music history, and implementations of Christian Worship will be included.

Prerequisite: None

Grade Level: 9-12

Science Fiction/Fantasy Literature

AGVA2013

Credit: Half (0.5) Credit

Time traveling aliens, robots, dragons, steampunk, and dystopian societies are all commonplace in science fiction and fantasy literature. Students in this course will identify various key characteristics of science fiction and fantasy as a genre and the subsequent sub-genres, survey the history & themes, explore SF as a platform for social expression and build an appreciation for the creative capacity of SF authors by delving into examples of SF literature from fan favorites like *The Hunger Games* trilogy to classics like Shelley's *Frankenstein*.

Prerequisite: Two years of English course (B- or better)

Grade Level: 11-12

Web Page Design

AGVA2014

Credit: Half (0.5) Credit

Students will learn HTML (Hyper Text Markup Language), CSS (Cascading Style Sheets), and JavaScript programming languages so they can create effective and responsive web sites. They will also study the principles of professional design to apply them to those sites.

Prerequisite: None, but basic computer knowledge is assumed.

Grade Level: 10-12

AP 2-D Art Design

AGVA4001

Credit: One (1) Credit

A college-level introductory course in two-dimensional design. Students refine and apply skills and ideas they develop throughout the course to produce a portfolio of work using various medias to demonstrate inquiry through art and design and development of materials, processes, and ideas.

Prerequisite: One year of studio art

Grade Level: 11-12

AP Computer Science A

AGVA4002

Credit: One (1) Credit

A college-level first course in computer science. The emphasis in the course is on procedural and data abstraction, object-oriented programming and design methodology, algorithms, and data structure.

Java will be the programming language used in the course.

Prerequisite: Introductory programming course or consent of instructor.

Grade Level: 11-12

AP Computer Science Principles

AGVA4003

Credit: One (1) Credit

A college-level first course in computer science. Introduces the principles that underlie the science of computing and the development of computational thinking skills. Students will make connections between concepts in computing, apply abstractions in computation and modeling, communicate ideas about technology and computation, design a program to solve a problem or complete a task, analyze computational work, and work collaboratively to solve problems. Activities will be tied to five big ideas including creative development, data, algorithms and programming, computer systems and networking, and the impact of computing.

Prerequisite: Introductory programming course or consent of instructor.

Grade Level: 11-12

AP Environmental Science

AGVA4004

Credit: One (1) Credit

A college-level course with an overview of components of ecosystems, including energy flow and the structure and dynamics of populations and communities. Students review the processes that affect natural environments, examine the impact of human activities on ecosystems, and discuss current environmental issues. The course is designed to prepare high school students to take the College Board AP exam on this subject. Throughout the course the student is encouraged to demonstrate love for God through respect for His artistic work and love for neighbor in that others are not hurt or harmed by how we act. Field projects will be required.

Prerequisite: Two years of laboratory science

Grade Level: 11-12

AP Psychology

AGVA4005

Credit: One (1) Credit

A college-level course 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, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Prerequisite: None

Grade Level: 11-12

DIVINE SAVIOR ACADEMY

ACADEMIC PROGRAMS

ADVANCED LEVEL COURSES POLICY

The prerequisite for all Advanced Level courses at DSA or through AGVA Online is at least an 83% cumulative grade in the previous course within the department. Additionally, the department will evaluate the student's work ethic, classroom leadership, desire to be challenged, and (when applicable) accountability in taking previous online courses, when recommending students for Advanced Level courses.

Due to the increased level of rigor of these courses, DSA limits the number of Advanced Level courses a student may take. The principal, in counsel with the teachers and department chairs, determine the number of Advanced Level courses a student may take.

Students in Advanced Level courses will receive a grade point average (GPA) boost only if the cumulative grade in the course is a 70% or higher. All Honors courses receive a .5 GPA boost.