



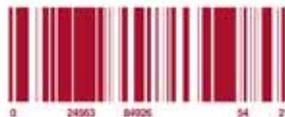
ST. CROIX
LUTHERAN
ACADEMY

2025
2026



COURSE CATALOG

H I G H S C H O O L



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2025-2026 Course Catalog

High School Grades 9-12

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Welcome

Welcome to St. Croix Lutheran Academy!

I am so glad you are part of the SCLA family. As you prepare for high school, you probably have a lot of questions. What is SCLA like? What classes should I take? What kinds of activities are offered?

This catalog answers these and many other questions. Take a few minutes to find out about the Christian education SCLA offers, and you will see that you have made an excellent choice.

If you have more questions or need assistance, please contact me at (651) 455-1521 or NKallies@StCroixLutheran.org.

Blessings,



Nate Kallies
Principal

Accreditation

St. Croix Lutheran Academy is a private Christian school that welcomes students in grades 6-12 from all backgrounds since 1958. The culturally diverse community includes 500 students from the greater Twin Cities metropolitan area, across the United States, and to date, from over 40 countries across five continents.

- Accredited by Minnesota Non-public School Accreditation Association (MNSAA)
- Accredited by Cognia (formerly Advanced Ed)
- Member of Mindependent

Mission / Overview

Since SCLA opened in 1958, the mission has remained central in the approach to education. SCLA is fully committed to educating the total student – spiritually, intellectually, and physically – in a caring, Christian family community.

A Christian education at SCLA includes daily chapel, volunteer service opportunities, religion classes, and Christian values integrated in all aspects of school life. SCLA alumni demonstrate in their choices that the value of a SCLA education lasts a lifetime.

St. Croix Lutheran Academy offers a college-preparatory curriculum during a two-semester school year. Students take core classes to meet graduation requirements and participate in a variety of electives. Advanced Placement (AP) classes are offered in calculus (AB and BC), English, physics, history, and music theory. Students can earn college credits on campus for select courses. Additionally, SCLA participates in the state-sponsored Post-Secondary Enrollment Option (PSEO), which allows qualifying juniors and seniors to take classes at the college level for both high school and college credit.

SCLA is a member of the Minnesota State High School League (MSHSL) and Skyline Conference, which includes area public, private, and parochial schools. About 75% of students participate in at least one of over 50 co-curricular activities including three seasons of athletics, leadership teams, student clubs, and service groups.

Our athletic complex includes one of the best tracks in the Twin Cities metro area, a football/soccer field, practice fields, baseball and softball diamonds, tennis courts, a gymnasium, and weight room.

In 2020, a new front entrance with updated security and a fine arts addition including new band, choral, and practice rooms were completed. Fine arts improvements also included doubling the size and updating the visual arts room. The SCLA auditorium was renovated in 2022. A new practice gym and other school facility and programming improvements are in the planning stages.

MISSION STATEMENT

Educating the total student

- spiritually, intellectually, and physically -
- in a caring, Christian family community

Purpose

St. Croix Lutheran Academy is a Christ-centered educational ministry sharing God's love with all students. This is accomplished by pointing students to the truths of God's word in the Bible, by helping students strengthen their relationship with their Savior Jesus, and by sharing the good news of his love for all with those who do not yet know him as their personal Savior.

Core Values

Biblical World View	We believe that the Bible is God's unchanging truth, the foundation for all learning and life, and the message of God's saving grace for all.
College Preparation	We challenge and support students and staff to develop and utilize their God-given gifts in order to become productive leaders in the school, church, and local/international community.
Excellence	We pursue excellence in all aspects of Christian education - academics, athletics, and the arts - to the glory of God.
Global	We embrace the culturally diverse backgrounds, perspectives, and gifts of individuals to enrich excellence and to enable one's personal ministry.
Student Focused	We recognize all students are unique, and we strive to put their needs first, as we help them develop spiritually, academically, physically, socially, and emotionally.

Administration and Staff

The SCLA team is dedicated to valuing each student, guiding their education, supporting their work, meeting their needs, and celebrating their successes.

Administration

Brian Shult, Executive Director
Nate Kallies, Principal
Bradley Essig, MS Director
Dr. Ryan Rathje,
Academic Dean
Adam Frey, Dean of Students

Activities

Phil Bunkowske, Director
Austin Eisenmann, MS Director
Lori Unke, Activities
Administrative Assistant

Admissions

Anna Biedenbender,
Domestic Counselor
Hannah Pankratz, Assistant
Hannah Schmiede, Director of
International Admissions and
Programs
Christine Wolfrath,
International Assistant
Kristin Lehmann,
International Counselor

Building and Grounds

Curt Richter, Director
Steve Frenz, Maintenance
Nancy Hartsock, Maintenance
Aaron Odegard, Maintenance
Jim Julian, Maintenance
Curt Montgomery, Maintenance
Allen Wright, Maintenance

Communications

Kristina Lewerenz, Director
Lisa Streckert, Assistant

Dormitory

Garrett Schoch, Director
Tamara Julian, Student Advisor

Finance

Glenn Will, Business Manager
Lori Kowitz,
Operations Manager
Mark Tjelta

Food Service

Pioneer Food Services

Guidance

Drew Kock, Director
Chris Maki, Counselor
Rev. Dustin Sievert, Ministry
Amanda Tess,
Assistant / Records
Tammy Sloane-Kloss,
Attendance

Mission Advancement

Carmen Tomfohrde
Dennis Palmberg

Nurse

Joey Nilan, ISD 197

Office Support

Amanda Tess,
Assistant to the Principal
Lisa Streckert,
MS Administrative Assistant
Naomi Johnston, Receptionist

Process Improvement

Kris Marshall, Manager

Registrar

Amanda Tess, International
Dave Tess, Information Specialist

Technology

Brad Holum, IT Specialist

Teaching Faculty

Dates in parentheses indicate start year at SCLA.

Anna Biedenbender (2020)

B.A. Art;
M.F.A. Visual Art with emphasis
in Painting and Drawing

Lucas Boehm (2001)

B.A. Education,
M.A. Coaching & Athletic Ad-
min.

James Brohn (2024)

B.S., Elementary Education,
M.A., Instructional Technology

Phil Bunkowske (2021)

B.S. Education;
M.A. Sports Administration

Kincaid Diersen (2024)

B.S. Education Life Science and
Chemistry

Tony Drkula (2014)

B.S. Education;
M.S. Educational Leadership

Austin Eisenmann (2021)

B.S. Education with Math Minor

Kayla Eisenmann (2021)

B.S. Education, Elementary and
Secondary Communication Arts
and Literature

Rev. Jonathan Enter (2018)

B.A.;
M.Div.

Bradley Essig (2021)

B.S. Education
M.A., Educational Leadership

John Fenske (2013)

B.S. Music Education
M.M.Ed. Band

Adam Frey (2019)

B.S. Education;
M.A. Kinesiology

Andrew Grady (2024)

B.S., Education

Rachel Grev (1999)

B.S. Education,
M.Ed. Teaching and Learning

Rebecca Hillstrom (2000)

B.A., Psychology, Family Studies;
M.A., Counseling and
Psychological Services

Riley Hillstrom (2024)

B.S., Aerospace Engineering and
Mechanics
B.S., Entrepreneurial Business
Management

Jonathan Huebner (2017)

B.S. Education and Secondary Math
M.Ed. in Mathematics

Mark Kaiser (2017)

B.S. Education
M.A. History with emphasis in
Education

Nate Kallies (2017)

B.S. Education;
M.Ed. Leadership

Drew Kock (2015)

B.S. Education
M.Ed., Counseling and Develop-
ment

Teaching Faculty

Dates in parentheses indicate start year at SCLA.

Jill Kock (2024)

B.S., Chemistry
M.Ed., Special Education - D/HH

Andrew Kramer (2025)

B. S. Education in Vocal and
Instrumental Music

David Liebhard (2024)

B.S., Secondary Education Social
Studies and Science
M.A., Education: High Perfor-
mance Instruction (Curriculum
and Instruction) and Instruc-
tional Technology

Ryan Maertz (2022)

B.S., Education, Life Science and
Chemistry

Christopher Maki (2012)

B.S. Education
M.Ed., Counseling and Develop-
ment

Rebecca Maki (2013)

B.A. Education
M.A. Teaching English to
Speakers of Other Languages

Emily Mantz (2024)

B.S., Elementary Education
B.S., Communication Arts and
Literature Education

April Marquardt (2017)

B.A. Elementary Education

Mike Marquardt (2017)

B.S. Elementary Education
M.C.M. Choral

Cory Olson (2013)

B.S. Education
Secondary Ed Certification

Heidi Paulsen (2023)

B.S. Teaching, Mathematics

Abby Plocher (2021)

B.S. Education, Communication
Arts and Literature

Gabe Plocher (2021)

B.S. Education, Secondary
Mathematics

Dr. Ryan Rathje (2017)

B.S. Education
M.Ed. Professional Development
Ed.D. in Curriculum,
Instruction, and
Assessment

Sarah Sauer (2010)

B.S. Education
M.A. Teaching of Languages

Brent Schacht (1992)

B.S. Education
M.A. Education

Calla Schoch (2022)

B.S. Education

Garrett Schoch (2022)

B.S. Education, Secondary
Mathematics, Elementary

Samantha Schoch (2024)

B.S., Secondary Physical
Education

Teaching Faculty

Dates in parentheses indicate start year at SCLA.

Karen Scislow (2019)

A.A.

B.A. in Art Education

Rev. Dustin Sievert (2016)

B.A.;

M.Div.

Rev. Bradley Snyder (2024)

B.A.;

M.Div.

Phil Sundblad (2024)

B.S., Technology Education

M.A., Teaching and Learning

M.A., K-12 Principal/
Administration

David Tess (2015)

B.S. Education

M.A. Educational Policy,
Leadership

M.S. Computer Science

Tim Weddle (2022)

B.S. Education, Communication
Arts, and Literature

Amanda Weddle (2023)

B.S. Education

Hannah Willems (2023)

B.S. Education

Summer Xu (2024)

B.A., Education and Youth
Studies, Media Studies

MS.Ed., Teaching, Learning, and
Leadership

Abby Zuberbier (2024)

B.S., Education

Nondiscrimination Policy

St. Croix Lutheran Academy admits students of any race, color, national and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national and ethnic origin in its administration of its educational policies; admissions policies; scholarship and loan programs; or athletic and other school-administered programs.

Two Semester System

The St. Croix Lutheran Academy school year runs from late August to May and is divided into two semesters. All students are expected to carry a full course load each year.

Grading

Grades are available online at any time throughout the semester. These grades are not final, but indicate a student's progress to that point. Final grades are assigned for all credit courses at the end of each semester.

Technology Requirements

All SCLA students in grades 9-12 are required to provide a learning device for use in the classroom. Examples of devices that students may bring include Chromebooks, Macbooks, laptops, and tablets (based on experience, we do not recommend tablets for classroom use.)

Required specifications:

- Screen size minimum of 10" measured diagonally
- Battery holds charge for the entire school day (minimum of 5 hours)
- WiFi capability

Recommendation

- A Chromebook is lightweight, optimized for Google School usage, and affordable.

Transfer Students

Students applying for admission for grades 10, 11, or 12 will provide a transcript which includes all credits earned prior to admission to SCLA. After review of the transcripts and credits earned, students will be placed in courses that meet SCLA graduation requirements.

NCAA Courses

NCAA schools require college-bound athletes to build a foundation of courses to prepare them for college academic expectations. Not all high school classes count. Certain classes in English, math (Algebra 2 or higher), science, social studies, and world language are approved as NCAA core courses. These courses are marked in the catalog with an NCAA icon. See the Academic Dean or Athletic Director for more information.

Common College Requirements

	MN State U's	U of MN	U of WI	MLC	WLC
English	4 years	4 years	4 years	4 years	4 years
Math	3 years	4 years	4 years	3 years	4 years
Science	3 years	3 years	3 years	3 years	3 years
Social Studies	3 years	3 years	3 years	2 years	3 years
World Languages	2 years	2 years	3 years	2 years	3 years
World Culture or Fine Arts	1 year	1 year	2 years		1 year

Graduation Requirements

Full-time enrollment each semester is required for graduation. One credit is given for classes that meet both semesters. Courses marked with an asterisk (*) are required for graduation. An additional 1/2 credit in Physical Education is required before graduation. Science credits must include Biology, Physics or Chemistry, and one elective.

4 years of English	3 years of Math
3 years of Science*	3 years of Social Studies
1 year of Physical Education	1 year of Fine Arts
Each Semester - Religion	.5 year of Health

NOTE: Elective offerings may change based on enrollment and teacher availability.

Courses by Grade

GRADE 9 - FRESHMEN

Required Courses

- English*
- Mathematics*
- Biology*
- Physical Education*
- Bible Class
- Health*

Elective Courses

- Chorale
- Fundamentals of Art
- German 1/2
- Mandarin Chinese 1/2/3
- Spanish 1/2/3
- Symphonic Band
- STEM Engineering Essentials
- STEM Computer Science Essentials
- Woodworking 1
- World Geography

GRADE 10 - SOPHOMORES

Required Courses:

- English*
- Mathematics*
- Science*
- World History/Geography*
- Bible Class

Elective Courses

All previous plus:

- Body Shop
- Ceramics
- Chemistry
- Concert Choir
- Drawing
- Earth Science
- Fit for Life
- Physics
- AP Physics 1
- Sculpture
- Yearbook
- STEM Computer Science Principles
- STEM Principles of Engineering
- Spanish 4

GRADE 11 - JUNIORS

Required Courses:

- English*
- U.S. History* or AP U.S. History
- Mathematics*
- Science*
- Bible Class

Elective Courses

All previous plus:

- American Sign Language 2
- Anatomy and Physiology
- Basic Foods / Child Dev.
- Business, Entrepreneurship, and Personal Finance
- Construction and Architecture
- Digital Media Arts
- Drama
- Dual Credit Computer Science
- Dual Credit Psychology
- Dual Credit College Math
- AP English Language & Composition
- AP Precalculus
- AP Calculus AB/BC
- AP Chemistry
- AP U.S. History
- AP Physics 2
- Woodworking II
- Spanish 5
- PSEO

GRADE 12 - SENIORS

Required Courses:

- English*
- Economics*
- Government*
- Bible Class

Elective Courses

All previous plus:

- AP English Literature & Composition
- British Literature & Composition

AP Courses

- AP Physics 1 & 2
- AP English Language & Composition
- AP English Literature & Composition
- AP Precalculus
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP U.S. History
- AP Music Theory (26-27)

Dual-Credit

- Programming I
- Programming II
- Introduction to Psychology
- Applied Algebra & Trigonometry
- Introduction to Statistics

In-person courses taught during the school day. Course costs are in addition to SCLA tuition. MN resident students who take these courses are not eligible to be PSEO students at BLC or WLC. All other Dual Credit and PSEO policies apply. Fill out the Dual Credit/PSEO Plan form by May 1, 2025. Minimum ACT composite score: 20 (or 1040 SAT equivalent)

Business and Life Skills

Yearbook

10th, 11th, 12th

Woodworking I

Basic Foods

11th and 12th

Woodworking II

11th and 12th

Child Development

11th and 12th

Construction and Architecture

11th and 12th

Business, Entrepreneurship, and Personal Finance

11th and 12th

BASIC FOODS / CHILD DEVELOPMENT

Credit: 1.0

Grades: 11, 12

First Semester

Students discover the basics of food preparation and nutrition through hands-on activities, from boiling water to preparing an entire meal for the class.

Prerequisite: None

Additional Fee: \$100 to cover consumables

Second Semester

Students explore the first six years of life, with an emphasis on emotional, social, physical, intellectual, and moral development. Utilizes project-based learning and sensory techniques.

Prerequisite: None

BUSINESS, ENTREPRENEURSHIP, & PERSONAL FINANCE

Credit: 1.0

Grades: 11, 12 (priority given to grade 12)

This course is designed to empower students with knowledge and application of basic financial principles to make sound financial decisions for life and in business. We also examine critical issues affecting entrepreneurship and small business management.

Prerequisite: None

YEARBOOK

Credit: 1.0

Grades: 10, 11, 12

Designed to offer sophomores, juniors, and seniors the opportunity to produce The Shield, SCLA's yearbook. Through the use of Jostens' Yearbook Avenue Online program, students become familiar with desktop publishing, especially in the areas of layout design and caption writing. This course is graded as pass/fail.

Prerequisite: World Literature and Intermediate Grammar

WOODWORKING I**Credit:** 1.0**Grades:** 9, 10, 11, 12

This course is designed to give students experience and confidence in beginning woodworking. Power machines are operated, and safety is stressed throughout the course. Students will learn how to read and complete working drawings and a bill of materials. They will construct projects with hand tools and powered woodworking equipment.

Technical Education careers will be explored.

Prerequisite: None.**Additional Fee:** \$200 to cover consumables**WOODWORKING II****Credit:** 1.0**Grades:** 11, 12

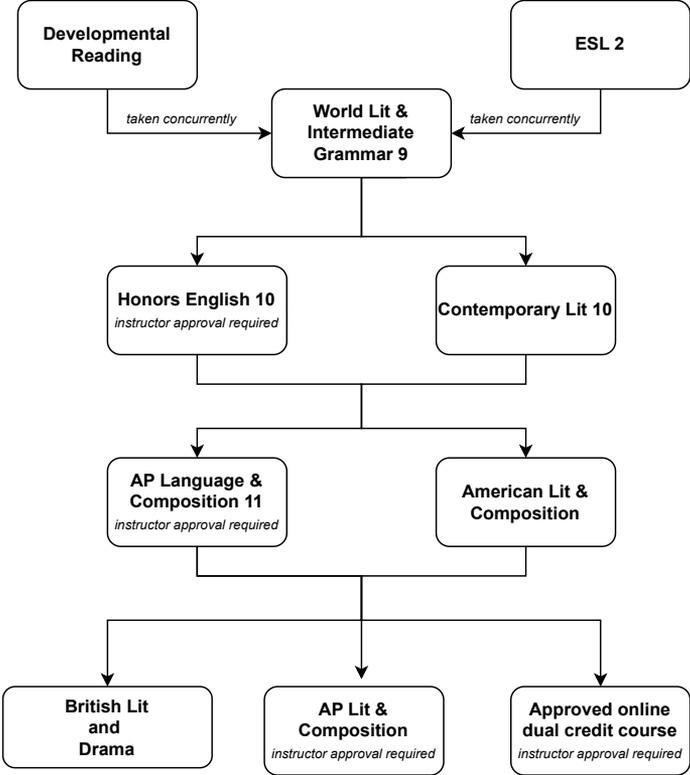
In this course, students will build on skills of blueprint reading, power tool operation, and safety. Students receive significant hands-on experience with different techniques for machining, assembling, and finishing wood components. Projects will be constructed using hand tools and powered woodworking equipment. This course will expand on career possibilities and potential crossover to advanced degrees and professions.

Prerequisite: Woodworking I recommended but not required**Additional Fee:** \$200 to cover consumables**CONSTRUCTION AND ARCHITECTURE****Credit:** 1.0**Grades:** 11, 12

Construction and Architecture is for anyone interested in the fundamentals of residential building and design. Students will use architectural principles to design and build a model home using a set of plans that include plot plan, foundation plan, and floor plans. Units covered will include building materials, layout instruments, plans, specifications and codes, footings and foundations, floor, wall, roof framing, stair construction and carpentry. Architectural concepts will be incorporated into all aspects of this course. This is a hands-on course that will incorporate the practical and business side of all aspects of construction and architecture.

Prerequisite: Woodworking I or II (waived for 2025-2026)**Additional Fee:** \$200 to cover consumables

English



English

DEVELOPMENTAL READING**Credit:** 1.0**Grades:** 9, 10, 11, 12 (usually taken in grade 9)

This literacy intervention course reinforces fundamental reading skills.

Emphasis is on sentence writing proficiency, comprehension, and fluency. Students will grow in confidence while being accelerated toward grade-level proficiency. This course is typically taken concurrent with a student's grade level language arts course.

Prerequisite: Recommendation of elementary or middle school principal; standardized test scores.

WORLD LITERATURE, INTERMEDIATE GRAMMAR & COMPOSITION**NCAA****Credit:** 1.0**Grade:** 9

This course will provide students with the necessary tools to evaluate a variety of literature from around the world and to organize their thoughts and express themselves with the purpose to persuade.

Prerequisite: Recommendation of elementary school or middle school principal; standardized test scores.

CONTEMPORARY LITERATURE & GRAMMAR**NCAA****Credit:** 1.0**Grade:** 10

This course will provide students with the necessary tools to evaluate a variety of 20th and 21st century literature and to both write and speak with the purpose of sharing information in an organized and thoughtful way.

Prerequisite: World Literature or ESL 2 with Instructor approval.

HONORS ENGLISH 10**NCAA****Credit:** 1.0**Grade:** 10

This course prepares students to analyze a variety of fiction and nonfiction literary works according to Biblical principles and expands the students' rhetoric and persuasion skills in both writing and speaking.

Prerequisite: World Literature, Intermediate Grammar & Composition

AMERICAN LITERATURE & COMPOSITION

NCAA

Credit: 1.0

Grade: 11

This course places an emphasis on writing effectively and improving composition for various purposes as students survey the genres of American Literature.

Prerequisite: Contemporary Literature & Grammar, Honors English 10, or instructor's approval

AP ENGLISH LANGUAGE & COMPOSITION

NCAA

Credit: 1.0

Grades: 11, 12

AP English Language and Composition cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. This course aligns to an introductory college-level rhetoric and writing curriculum that allows students to evaluate, synthesize, and cite research from non-fiction texts as they strive to develop evidence-based analytic and argumentative essays.

Prerequisite: B average or better in Contemporary Literature & Grammar or Honors English 10 (with instructor approval)

BRITISH LITERATURE AND DRAMA

NCAA

Credit: 1.0

Grade: 12

In the first semester, this course samples a wide variety of prose and poetry from British literature, taking into consideration historical perspectives. In the second semester, dramas from throughout time and across the world are studied thematically. Each semester, students write research papers and create speeches with the goal of teaching their classmates.

Prerequisite: American Literature and Composition or AP Language

AP ENGLISH LITERATURE AND COMPOSITION

NCAA

Credit: 1.0

Grade: 12

This course prepares students to take the College Board Advanced Placement Exam in English Literature and Composition. It covers a wide range of prose, poetry, and drama, and features regular practice in both the essay and multiple-choice sections of the AP test.

Prerequisite: B average or better in American Literature & Composition or AP Language & Composition

ESL 1: LANGUAGE ARTS

Credit: 1.0

Grades: 9, 10, 11, 12 (usually taken in grade 9)

Students are provided with support to read, write, speak, and listen in English mainstream courses. Special emphasis is put on academic vocabulary and writing.

Prerequisite: ELTiS test scaled score of 194 and below

ESL 2: LITERATURE, GRAMMAR & COMPOSITION

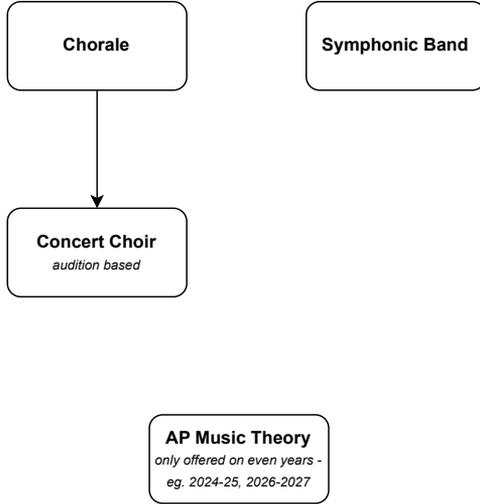
Credit: 1.0

Grades: 9, 10, 11, 12 (usually taken in grade 10)

Students are provided with support to read, write, speak, and listen in English mainstream courses. Special emphasis is put on academic vocabulary and writing. Class is taken concurrently with World Literature.

Prerequisite: ESL 1 or ELTiS test scaled score of 195-214

Music



CHORALE**Credit:** 1.0**Grades:** 9, 10, 11, 12

Chorale is an ensemble that provides a beginner to intermediate level choral experience that explores vocal technique and general musicianship. Mandatory performances include the Fall Concert, Christmas Concert, Sacred Concert, and the Spring Concert. Students are expected to perform short assignments that assess their musicianship and critical-thinking skills. This course also provides preparation for auditioning for top-level ensembles like Concert Choir and Croixaliers. This course is graded as pass/fail.

Prerequisite: None

CONCERT CHOIR**Credit:** 1.0**Grades:** 10, 11, 12

Concert Choir provides a choral experience with advanced vocal technique and musicianship through preparation of more challenging choral literature from a variety of styles and backgrounds. This course empowers all participants for a lifetime of music making and also aims to prepare students who seek to participate at the collegiate level. Mandatory performances include the Fall Concert, Christmas Concert, Sacred Concert, and the Spring Concert.

Prerequisite: Instructor approval for those not currently enrolled in Concert Choir

SYMPHONIC BAND**Credit:** 1.0**Grades:** 9, 10, 11, 12

Symphonic Band is an opportunity for students who have prior experience on a band instrument to develop their skills to a high level. Emphasizes advanced playing techniques, performance, soloistic playing, and expression. The band performs at concerts and worship services at SCLA and may attend various band clinics and festivals. Members may also use their instrumental skills in several extra-curricular groups including: Pep Band, Percussion Ensemble, Brass Choir, Jazz Ensemble, Woodwind Ensemble, or other instrumental groups. Participating in the performances is a requirement for a passing grade. This course is graded as pass/fail.

Prerequisite: Prior experience and audition

AP MUSIC THEORY

Credit: 1.0

Grades: 10, 11, 12

The course will emphasize melody, harmony, texture, rhythm, meters (simple and complex), form, musical analysis, elementary composition, history, style and musicianship skills, such as listening skills, sight-singing, and keyboard harmony. Enrolled students must have acquired (or are acquiring) at least basic performance skills in voice or on an instrument. The ultimate goal is to develop students' ability to recognize, understand, and describe the basic materials and processes that are heard or presented in a score. Offered in the even years only, e.g., 26-27; 28-29.

Prerequisite: Approval of Instructor

Visual Arts

Fundamentals of Art / Drawing

Ceramics

Drawing

Sculpture

Digital Media Arts

11th and 12th

Fine Arts: Visual

FUNDAMENTALS OF ART / DRAWING

Credit: 1.0

Grades: 9, 10, 11, 12 (usually taken in grade 9)

First Semester

The understanding and application of the elements and principles of art are the focus of this foundational course. Learning will be based on hands-on projects as well as studying historically significant artists and works in western art history. Other important concepts to be covered include composition, creativity vs. copying, aesthetics and the value of critiques.

Second Semester

The traditional methods of linear perspective and gridding will be used to develop skills necessary for sighting and drawing from life. The emphasis of this class is on accurate perception and purposeful mark-making.

Prerequisite: None

DRAWING

Credit: 1.0

Grades: 10, 11, 12

First Semester

Drawing 1 will build on the Fundamentals of Drawing course. Students will further explore ways of seeing and accurately representing three dimensional forms and spaces in two dimensions. Students will work from life and observation.

Second Semester

Drawing 2 will teach students a design mind set and to understand the importance of the process in creating. Students will use a variety of media to represent not just what they see but what they can imagine. Students will be encouraged to develop ideas. Drawing 1 is strongly recommended.

Prerequisite: Fundamentals of Art and Fundamentals of Drawing

SCULPTURE**Credit:** 1.0**Grades:** 10, 11, 12**First Semester**

The emphasis of this class will be on designing three dimensional forms that can be assembled or constructed. Subjects will include objects that are purely for aesthetics as well as concepts for practical, functional forms.

Second Semester

Modeling and carving three dimensional forms will be the methods used in this class. Ideas will be developed from paper to the finished form. Sculpture I is strongly recommended.

Prerequisite: Fundamentals of Art and Fundamentals of Drawing

CERAMICS**Credit:** 1.0**Grades:** 10, 11, 12**First Semester**

Students will be introduced to tools and techniques for working with clay. Students will use handbuilding methods including pinching, slabbing, and coiling to create a variety of forms.

Prerequisites: Fundamentals of Art**Second Semester**

The emphasis of this class will be upon surface treatment and decoration of forms. Wheel-throwing will also be introduced.

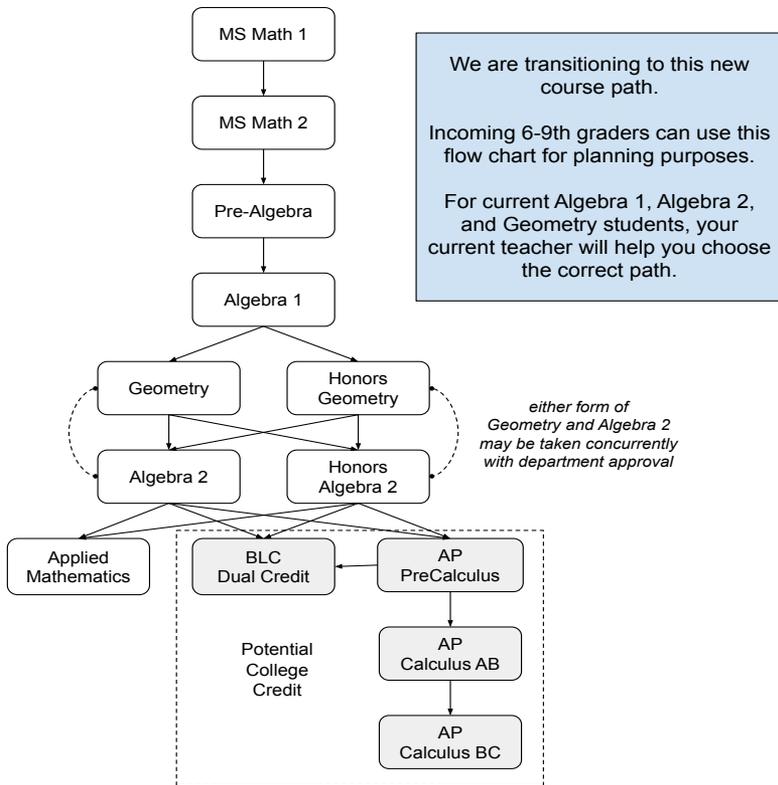
Prerequisites: Fundamentals of Art and Fundamentals of Drawing

DIGITAL MEDIA ARTS**Credit:** 1.0**Grades:** 10, 11, 12

This course will provide students with the opportunity to learn about video editing and creation using Final Cut Pro X, audio editing and creation using GarageBand, visual effects, foley design, podcast creation, music creation, and more. Students will create projects in the previously mentioned areas implementing composition techniques, color theory, and storytelling using media. No previous experience in any related field is required.

Prerequisite: None

Mathematics



NOTE:

- Taking two math courses the same year requires chair approval.
- Students will be placed in math courses following a math placement test.

PRE-ALGEBRA**Credit: 1.0**

Prepares students for Algebra 1 and reinforces fundamental math skills. Students learn to use variables in formulas, solve equations, solve problems and interpret data. Topics include rigid transformations and congruence, dilations, similarity, slope, proportional and linear relationships, linear equations and systems, functions and volume, associations in data, exponents and scientific notation, the pythagorean theorem, and irrational numbers.

Prerequisite: None**ALGEBRA 1****Credit: 1.0**

Explores the patterns using mathematical models and reasoning.

Students investigate change by comparing linear, quadratic, and exponential growth models. Topics include: patterns and sequences, linear equations and inequalities, describing data, describing functions, systems of linear equations and inequalities, exponential functions, quadratic functions, and quadratic equations.

Prerequisite: Pre-Algebra or department approval**ALGEBRA 2****Credit: 1.0**

Explores the complexity of algebraic functions and the introduction of transcendental functions. Topics include transformations of functions, quadratic functions and complex numbers, polynomial functions, rational functions, radical functions and equations, exponential and logarithmic functions, trigonometric functions, and statistical inference.

Prerequisite: Geometry / Honors Geometry or concurrent enrollment in Geometry / Honors Geometry with department approval**NCA**

HONORS ALGEBRA 2

NCAA

Credit: 1.0

Covers the same content as regular Algebra 2 but does so at a quicker pace. This allows more time to explore additional topics in mathematics that serve as a foundation for higher level mathematics. The course is geared towards students that are interested in pursuing degrees in STEM fields.

Prerequisite: Geometry / Honors Geometry or concurrent enrollment in Geometry / Honors Geometry with department approval

GEOMETRY

NCAA

Credit: 1.0

Explores logic by applying known axioms, theorems, and logical rules to geometric situations. Topics include: constructions and rigid transformations, congruence, similarity, right triangle trigonometry, coordinate geometry, circles, solid geometry, and conditional probability.

Prerequisite: Algebra 1 or department approval; may be taken concurrently with Algebra 2 OR Honors Algebra 2 with department approval.

HONORS GEOMETRY

NCAA

Credit: 1.0

Covers the same content as regular Geometry but does so at a quicker pace. This allows more time to explore additional topics in mathematics that serve as a foundation for higher level mathematics. The course is geared towards students that are interested in pursuing degrees in STEM fields.

Prerequisite: Algebra 1 AND department approval; may be taken concurrently with Algebra 2 OR Honors Algebra 2 with department approval.

APPLIED MATHEMATICS

NCAA

Credit: 1.0

Applies content learned in Algebra 1, Geometry, Algebra 2 to real-world situations. Answers the question “when will we ever use math in life?”. Topics include data analysis, probability and statistics, and financial mathematics.

Prerequisite: Algebra 2 or Honors Algebra 2

AP PRECALCULUS**NCAA****Credit: 1.0**

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

Prerequisite: Algebra 2 / Honors Algebra 2 and department approval

AP CALCULUS AB**NCAA****Credit: 1.0**

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

Prerequisite: PreCalculus and instructor approval

AP CALCULUS BC**NCAA****Credit: 1.0**

This Advanced Placement course is roughly equivalent to both college Calculus I and II. Topics include a review of differential and integral calculus from AP Calculus AB, advanced integration techniques, logistic differential equations, parametric functions, vector-valued functions, polar functions, and infinite series.

Prerequisite: AP Calculus AB and instructor approval

APPLIED ALGEBRA & TRIGONOMETRY

Dual Credit

Dual Credit with Bethany Lutheran College - Math 130

High School Credit: 1.0

College Credit: 4.0

This college-level course is designed to study topics in algebra and trigonometry through the perspective of applications. Concepts studied include polynomial, rational, exponential, logarithmic, and trigonometric functions. Additional topics include right triangle trigonometry, trigonometric identities, and laws of sines and cosines. The course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses.

Prerequisite: Honors Algebra 2 & Trigonometry + Approval from Academic Dean

One Semester - Fall

Additional Fee: \$200 (book is free)

Note: This course is the equivalent of a qualifying score on the AP Precalculus exam. Minimum ACT composite score: 20 (or 1040 SAT equivalent)

INTRODUCTION TO STATISTICS

Dual Credit

Dual Credit with Bethany Lutheran College - Math 120

High School Credit: 0.75

College Credit: 3.0

In this college-level course, beginning statistical theory and practice are introduced through topics of data collection, sampling techniques, organization and presentation of data, measurement of central tendency, probability concepts, discrete and continuous probability distributions, statistical estimation, hypothesis testing, correlation analysis, linear regression and analysis of variance.

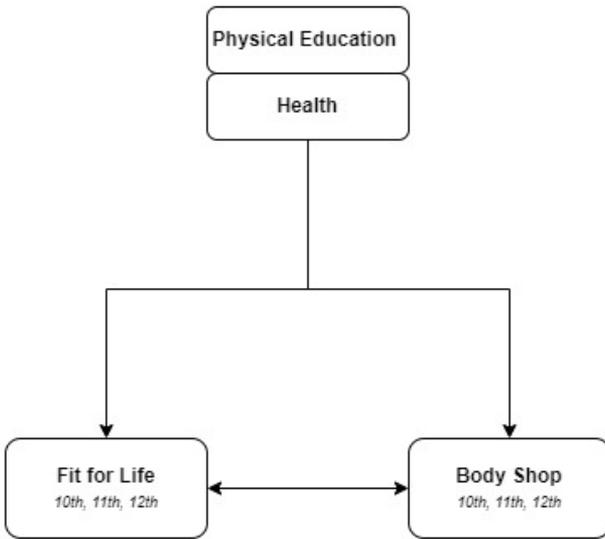
Prerequisite: Honors Algebra 2 & Trigonometry + Approval from Academic Dean. Minimum ACT composite score: 20 (or 1040 SAT equivalent)

One Semester - Spring

Additional Fee: \$150 (book is currently \$88)

Physical Education

Physical Education



Students are required to have 1 full credit of high school PE as well as 0.50 credits of Health to graduate. Participation in approved co-curricular sports during freshman and sophomore years can count toward PE credits for graduation. This must be documented and approved before the season. Please see the Athletic Director or Academic Dean for details.

PHYSICAL EDUCATION / HEALTH

Credit: 1.0

Grades: 9, 10, 11, 12 (usually taken in grade 9)

First Semester

This course provides physical activity involving team sports and other activities. This course is graded as pass/fail.

Second Semester

This course emphasizes physically, mentally, spiritually and emotionally healthy behaviors. (Also offered for ESL students.)

Prerequisite: None

FIT FOR LIFE

Credit: 1.0

Grades: 10, 11, 12

This course teaches participation in classroom (health/fitness strategies and health topics), conditioning (cardio and strength), and lifetime sports in a non-competitive atmosphere. This course is graded as pass/fail.

Prerequisite: Physical Education and Health

BODY SHOP

Credit: 1.0

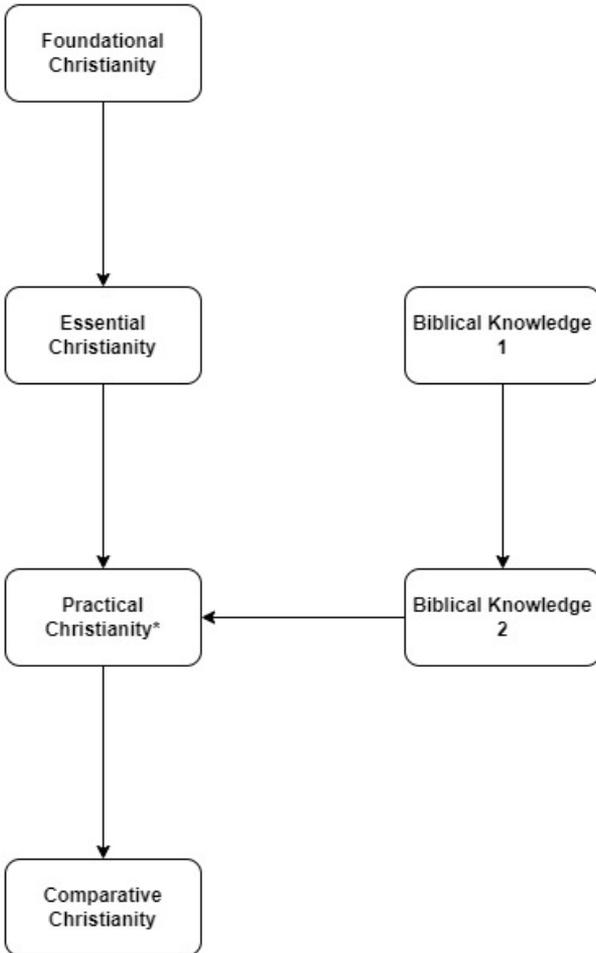
Grades: 10, 11, 12

This course emphasizes the correct mechanics and movements associated with strength training and fitness training. Goal-setting and daily improvements form the backbone of the training programs, and student progress in strength and fitness is recorded and tracked regularly. This course is graded as pass/fail.

Prerequisite: Physical Education and Health

Religion

Religion



BIBLICAL KNOWLEDGE 1

Credit: 1.0

Grades: 9, 10, 11, 12

This course, primarily for international students, will study the basic teachings of the Bible with a focus on God's loving plan to save all people through Jesus and how that becomes personally ours through faith in him.

Prerequisite: None

BIBLICAL KNOWLEDGE 2

Credit: 1.0

Grades: 9, 10, 11, 12

This course, primarily for international students, will follow the history of God's saving promise through the Old Testament to its fulfillment in Jesus. It focuses on Jesus' ministry in the Gospels, discusses how that message changes us and equips students to share it with others.

Prerequisite: Biblical Knowledge 1

FOUNDATIONAL CHRISTIANITY

Credit: 1.0

Grade: 9

This course covers the Old Testament books of Genesis and Exodus and other practical lessons from Scripture. It focuses on where we came from, how to live, and points to Christ as the one true hope for our eternal future.

Prerequisite: None

ESSENTIAL CHRISTIANITY

Credit: 1.0

Grade: 10

This course covers biblical history of God preserving his promise of a Savior until its fulfillment in Jesus. First semester focuses on Joshua, Judges, Ruth, Kings and Chronicles. Second semester studies the life, death, and resurrection of Jesus in the four Gospels.

Prerequisite: Foundational Christianity

PRACTICAL CHRISTIANITY

Credit: 1.0

Grade: 11

This course emphasizes God's changeless word in a changing world.

Students use sections of the New Testament to practically apply

God's word to their lives to grow devotionally and prepare intentional lives of service in the home, church, and various cultures.

Prerequisite: Essential Christianity

COMPARATIVE CHRISTIANITY

Credit: 1.0

Grade: 12

This discussion-oriented class encourages students to share their faith

in practical ways with others. Students learn similarities and differ-

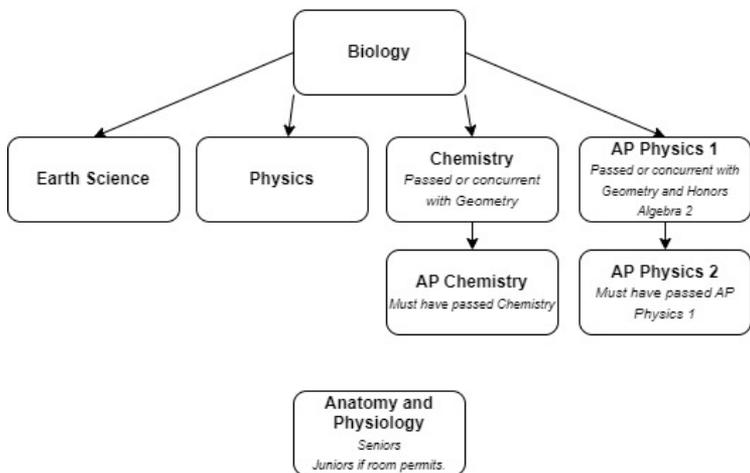
ences among various Christian denominations and prepare reports

about other world religions. Readings include Paul's letters and the

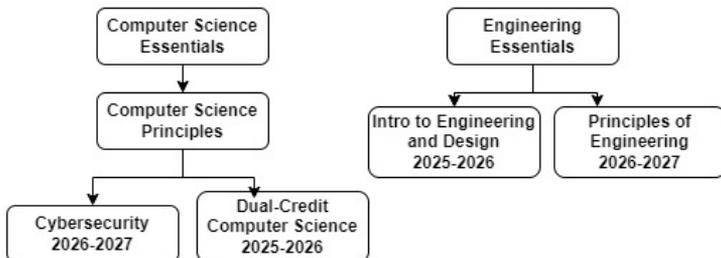
book of Revelation.

Prerequisite: Practical Christianity

Science



STEM FLOWCHART



BIOLOGY
Credit: 1.0
Grade: 9

NCAA

This course is designed to take an in-depth look at life on Earth through exploration activities and laboratory experiences to expand understanding of biological processes and concepts. Topics include creation, biochemistry, ecology, cytology, genetics, evolution, and classification.

Prerequisite: None

EARTH SCIENCE
Credit: 1.0
Grade: 10, 11, 12

NCAA

This course will cover topics related to the earth and human impact on the environment. Topics include minerals, rocks, volcanoes, earthquakes, earth resources, energy resources, and human impact on resources.

Prerequisite: Biology

CHEMISTRY
Credit: 1.0
Grade: 10, 11, 12

NCAA

Students study the interactions and structure of matter at the atomic level and above. Students learn to conduct experiments; work with the organizational and mathematical tools of chemistry (such as the periodic table and formulas); and communicate chemistry effectively.

Prerequisite: Biology and Algebra 1

AP CHEMISTRY
Credit: 1.0
Grade: 11, 12

NCAA

This course is designed to be the equivalent of a college-level general chemistry course. Topics include scale, proportion, and quantity application at both the macro- and microscopic scale; structure and properties of atoms and molecules; transformations of matter; and applications of thermodynamics and kinetics. Students will be expected to attend special extended labs that begin at 7:15 a.m.

Prerequisites **Chemistry and about 10 hours of online summer review work**

PHYSICS

NCAA

Credit: 1.0

Grade: 10, 11, 12

This course will briefly cover many topics in physics such as mechanics, dynamics, energy, momentum, electricity, and waves. Labs, hands-on activities, and demonstrations will enhance the inquiry-based format of the class.

Prerequisite: Biology

AP PHYSICS 1

NCAA

Credit: 1.0

Grade: 10, 11, 12

This course is designed to mirror the first semester of a college-level introductory physics course, offering students the opportunity to earn college credit with a qualifying score on the AP exam. The curriculum is rigorous and includes kinematics, forces and dynamics, work and energy, linear and rotational momentum, torque, rotational dynamics, oscillations, and fluids.

Prerequisite: Biology; pass Geometry with a B or better.

AP PHYSICS 2

NCAA

Online Course

Credit: 1.0

Grade: 11, 12

This course is designed to replace the second semester of an introductory physics course in college. With a passing grade on the AP test in May, a person may earn credits from the college they wish to attend. The coursework is rigorous and will include fluid statics and dynamics, thermodynamics, electrostatics, electric circuits, magnetism and electromagnetism, geometric and physics optics, and quantum, atomic and nuclear physics.

Prerequisite: AP Physics 1

ANATOMY AND PHYSIOLOGY

NCAA

Credit: 1.0

Grade: 11, 12 (seniors receive preference)

This course will enable students to develop an understanding of the structure and function of the human body, its systems, and the relationships among the systems as students seek to understand and appreciate the complexities of the human body. This course will involve projects, activities, diagrams, textbook materials, models, journal writings, and case studies.

Prerequisite: Chemistry or Physics

ENGINEERING ESSENTIALS (STEM)**Credit:** 1.0**Grade:** 9, 10, 11, 12

Through hands-on projects, students apply the design process and engineering standards, and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

Prerequisite: Algebra 1 (can be concurrently enrolled)*Additional \$500 fee if first STEM course taken.*

PRINCIPLES OF ENGINEERING (STEM) 2026-2027**Credit:** 1.0**Grade:** 10, 11, 12

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: Engineering Essentials and instructor approval.

INTRODUCTION TO ENGINEERING AND DESIGN (STEM) 2025-2026**Credit:** 1.0**Grade:** 10, 11, 12

The major focus of this class is the design process and its application.

Through hands-on projects, students study engineering concepts and document their work. Students use 3D modeling software to help them design solutions proposed problems and communicate solutions to peers.

Prerequisite: Engineering Essentials and instructor approval.

COMPUTER SCIENCE ESSENTIALS (STEM)**Credit:** 1.0**Grade:** 9, 10, 11, 12

This course introduces students to the foundational concepts of computer science, programming, and computational thinking. Students will explore topics such as block-based and text-based coding, algorithms, data structures, and program design. Hands-on projects include developing mobile apps, programming robots, and solving real-world problems using Python and other tools. The course emphasizes

collaboration, problem-solving, and understanding how computing and technology influence our daily lives and future innovations.

Prerequisite: Algebra 1 (can be concurrently enrolled)

Additional \$500 fee if first STEM course taken.

COMPUTER SCIENCE PRINCIPLES (STEM)

Credit: 1.0

Grade: 11, 12

Students transfer knowledge gained in Computer Science Essentials to focus especially on Python. They review CS topics through various activities while automating tasks and finding patterns in data.

Students present solutions and weigh the ethical and societal issues of how computing and digital connectivity are changing the world.

Prerequisites: Computer Science Essentials and instructor approval

CYBERSECURITY (STEM) 2026-2027

Credit: 1.0

Grade: 11, 12

Students learn how to identify cybersecurity threats and protect against them, detecting intrusions and responding to attacks. Personal digital footprints are examined and defense of personal data is also discussed.

Prerequisite: Computer Science Principles and instructor approval

DUAL-CREDIT COMPUTER SCIENCE 2025-2026

Dual Credit

Dual Credit with Bethany Lutheran College

High School Credit: 1.5

College Credit: 6.0

Grade: 11, 12

Students will complete two semesters of college programming courses:

Intro to Programming 1 (3 cr)

Intro to Programming 2 (3 cr)

Prerequisite: Computer Science Principles and Instructor approval.

Minimum ACT composite score: 20 (or 1040 SAT equivalent)

Additional Fee: \$150 per course (\$300 total) and course eBooks (roughly \$75 per semester)

Social Studies

World History &
Geography 10

World Geography

US History 11

AP US History 11
*Prereq: B or higher in Honors
English 10 or instructor approval*

Introduction to
Psychology

*Prereq: Qualifying grade 11,12
students*

Government 12

Microeconomics 12

Social Studies

WORLD GEOGRAPHY

NCAA

Credit: 1.0

Grade: 9

This course allows students to observe the perspectives, information, concepts, and skills that help them understand their relationship to the earth and the peoples that inhabit it.

Prerequisite: None

WORLD HISTORY/GEOGRAPHY

NCAA

Credit: 1.0

Grade: 10

Students learn the physical and political history of the world.

Prerequisite: None

U.S. HISTORY

NCAA

Credit: 1.0

Grade: 11

History of the U.S. from pre-colonization to the present.

Prerequisite: World History / Geography

AP U.S. HISTORY

NCAA

Credit: 1.0

Grade: 11, 12

A challenging course designed to provide students with the skills and factual knowledge necessary to critically analyze the problems and issues in U.S. History.

Prerequisite: World History / Geography. B or better in Honors English 10 or Contemporary Literature & Grammar, and instructor approval.

GOVERNMENT

NCAA

Credit: 0.5

Grade: 12

This is a survey course that links the origins of government with our democracy today.

Prerequisite: U.S. History or AP U.S. History

MICROECONOMICS**NCAA****Credit:** 0.5**Grade:** 12

This course emphasizes the various economic roles we as consumers fill in our society. It also includes an overview of various economies.

Prerequisite: U.S. History or AP U.S. History

INTRODUCTION TO PSYCHOLOGY**Dual Credit****Dual Credit through Wisconsin Lutheran College****High School Credit:** 1.0**College Credit:** 4.0**Grade:** 11, 12

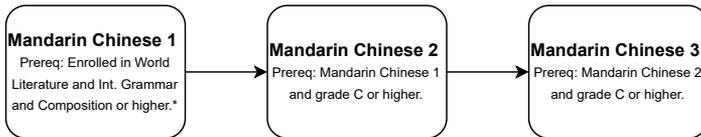
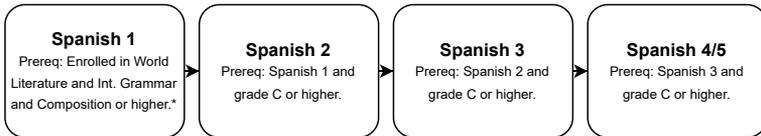
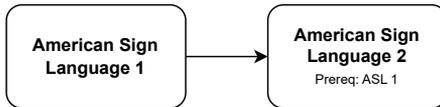
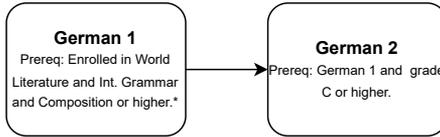
This course introduces the science of psychology by surveying key fields such as human development, learning, memory, intelligence, motivation and emotions, personality, abnormality, social interactions, and ethics. Students explore foundations of psychology seen in philosophy, scientific research, biology, and culture. They also investigate the many ways psychological research can be applied to everyday life.

Additionally, class discussions focus on the relationship between psychology and Christian beliefs. Students are introduced to the scientific writing style of the American Psychological Association (APA).

Prerequisite: Minimum ACT composite score: 20 (1040 SAT equivalent)

Additional Fee: \$305 (plus book)

World Languages



GERMAN 1**NCAA****Credit:** 1.0**Grade:** 9, 10, 11, 12

Students learn written and spoken German. Students gain confidence in speaking German through memorizing vocabulary and idioms; studying grammar and syntax; and learning about German culture through videos and MP3s. Not recommended if taking developmental reading or ESL concurrently.

Prerequisite: Enrollment in World Literature and Intermediate Grammar and Composition or higher.

GERMAN 2**NCAA****Credit:** 1.0**Grade:** 9, 10, 11, 12

Students expand knowledge of German vocabulary, idioms, forms, and syntax; and develop conversations in various social settings, such as school, at home, in restaurants, and other leisure-time activities.

Prerequisite: German 1 - grade of C– or higher

SPANISH 1**NCAA****Credit:** 1.0**Grade:** 9, 10, 11, 12

Students develop a working vocabulary for a variety of life situations.

Students learn speech patterns through speaking dialogues, composition, reading, and completing several listening labs in which students hear native speakers from many different Spanish-speaking countries. Not recommended if taking developmental reading or ESL concurrently.

Prerequisite: Enrollment in World Literature and Intermediate Grammar & Composition or higher. (Students who wish to test out of Spanish 1 must take and pass a Spanish standardized test for Level 1.)

SPANISH 2**NCAA****Credit:** 1.0**Grade:** 9, 10, 11, 12

Students continue to strengthen their skills of listening, reading, writing, and speaking in Spanish. They will also gain a deeper appreciation for the different Spanish-speaking cultures. Emphasis is placed on applying grammar concepts and enhancing oral proficiency through a variety of activities.

Prerequisite: Spanish 1 - grade of C– or higher

SPANISH 3

NCAA

Credit: 1.0

Grade: 9, 10, 11, 12

Students strengthen listening, reading, writing, and speaking skills by expanding vocabulary, applying complex grammar concepts and becoming more confident in conversational skills. Speaking emphasis. Students also explore the cultures of the Spanish-speaking world through a variety of projects.

Prerequisite: Spanish 2 - grade of C– or higher

SPANISH 4

NCAA

Credit: 1.0

Grade: 10, 11, 12

Students expand knowledge of the language through listening, reading, writing, and speaking skills. In addition to speaking Spanish in class, students read literary selections of well-known Spanish writers as well as current magazine and newspaper articles. Writing and speaking skills are emphasized through essays, short papers, and presentations.

Prerequisite: Spanish 3 - grade of C– or higher

SPANISH 5

NCAA

Credit: 1.0

Grade: 10, 11, 12

Students expand knowledge of the language through listening, reading, writing, and speaking skills. In addition to speaking Spanish in class, students read literary selections of well-known Spanish writers as well as current magazine and newspaper articles. Writing and speaking skills are emphasized through essays, short papers, and presentations.

Prerequisite: Spanish 4 - grade of C– or higher

MANDARIN CHINESE 1**NCAA****Credit:** 1.0**Grade:** 9, 10, 11, 12

Students are introduced to the sounds, basic grammar, and vocabulary of Mandarin along with the Chinese writing system. They participate in basic and practical conversation and character recognition in preparation for an optional summer China tour. While being exposed to Chinese history and culture through language study, they gain understanding of the culture and language with the SCLA Chinese student population. Students are paired with a volunteer Chinese International student as a language mentor to work on communication goals and cultural understanding.

Prerequisite: Enrollment in World Literature and Intermediate Grammar and Composition or higher.

MANDARIN CHINESE 2**NCAA****Credit:** 1.0**Grade:** 9, 10, 11, 12

This course builds on what the students learned in Mandarin 1. It continues to train the students in the four main components of a language: reading, writing, listening, and speaking. The class focuses heavily on spoken communication and preparing students for interacting with native speakers.

Prerequisite: Mandarin Chinese 1 - grade of C- or higher

MANDARIN CHINESE 3**NCAA****Credit:** 1.0**Grade:** 9, 10, 11, 12

This course builds on what the students learned in Mandarin 1 and 2.

It continues to train the students in the four main components of a language: reading, writing, listening, and speaking. The class focuses heavily on spoken communication and preparing students for interacting with native speakers.

Prerequisite: Mandarin Chinese 2 - grade of C- or higher

AMERICAN SIGN LANGUAGE LEVEL 1 2026-2027

Credit: 1.0

Grade: 10, 11, 12

A beginning level course that provides the basic foundation of American Sign Language with an overview of Deaf people and their Culture.

ASL is a visual (non-verbal) language that uses hand gestures, facial expressions, conceptual body movements to communicate thoughts, expressions, and ideas. This course will introduce finger-spelling, numbers, alphabet, colors, vocabulary words, and beginning-level conversations in ASL.

Prerequisite: Two-year commitment; must take ASL 2

AMERICAN SIGN LANGUAGE LEVEL 2 2025-2026

Credit: 1.0

Grade: 11, 12

This course builds on basic principles that were learned in American Sign Language 1. ASL is a visual (non-verbal) language that uses hand gestures, facial expressions, conceptual body movements to communicate thoughts, expressions, and ideas.

Prerequisite: American Sign Language 1

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