



Be World Ready

2025-2026 Course Guide



Martin Luther High School
5201 South 76th Street
Greendale, WI 53129

Administration

Principal: Mr. John Buetow

Assistant Principal: Mrs. Erin Janetzke

Class Counselors

Freshman and Sophomore: Mrs. Caralee Hammerling

Junior: Mr. Kirk Langenkamp

Senior: Mrs. Kathy Steinke

Counseling Assistance in Program Selection

The primary goal of counseling is to help each student obtain the best possible education throughout high school. Contact the Office of Student Life or your student's counselor for further assistance.



Martin Luther High School Vision and Mission

Vision

Share Jesus. Shape Lives. Develop Leaders.

Mission

At Martin Luther High School, we empower students to excel academically, grow spiritually, and lead with purpose. Rooted in faith and committed to excellence, our Christ-centered education prepares students for meaningful lives of service and success.



Introduction

The Martin Luther Course Catalog describes courses to be offered during the 2025-2026 school year. Course program planning is a joint task among students, parents, and school personnel.

Our counselors work closely with students in planning immediate and long-range course programs to best suit high school and post-high school plans. Every student meets with his/her counselor each year to review academic progress, standardized test results, interests, and future educational and career plans.

If students have questions regarding specific courses, they should talk to their teachers and counselors. It should be noted that some courses listed may not be offered due to insufficient enrollment.

Academic Programming

The Triune God – The Father as Creator, The Son as Redeemer, and the Holy Spirit as Enabler – is the focus of the curriculum at Martin Luther High School.

We desire that God's Word and ways touch the life of every student. Participation by all students and teachers in chapel worship, prayer, and homeroom devotions is expected. Every student is required to complete a theology course each semester.

Martin Luther's academic program is comprehensive. We are determined to meet the individual needs of all students. It is our goal to graduate students who are educated in a variety of disciplines and have mastered basic skills in reading, writing, speaking, listening, mathematics, problem solving, and thinking. Our students are prepared to be life-long learners.

Graduation Requirements

8 CREDITS ENGLISH

- Must include English I 1&2 (or Accelerated English I 1&2)
- Must include English II 1&2 (or AP Seminar)
- Must include English III 1&2 (or AP Language and Composition)

6 CREDITS SOCIAL STUDIES

- Must include US History 1&2 (or AP US History)

6 CREDITS SCIENCE

- Must include Biology 1&2

6 CREDITS MATHEMATICS

4 CREDITS PHYSICAL EDUCATION

- Must include Health and Fitness
- Must include Lifetime Activities

8 CREDITS THEOLOGY

1 CREDIT FINANCIAL LITERACY

- Must include Personal Finance (beginning with the Class of 2028)

9 ADDITIONAL CREDITS

48 TOTAL CREDITS (Plus 65% or better on the Wisconsin Civics Test and 60 Service Credits)

Credit Load

Students are expected to be enrolled in a minimum of 7 credits per semester. Seniors who are on track to graduate may be enrolled in a minimum of 6 credits per semester during their 7th and 8th semester of school.

Course Audit

Students who receive a D in a class may retake the course to improve their grade. In that case, they would not receive additional credit, but the higher grade would appear on the transcript and is used when determining cumulative GPA. Students may also audit a class. This is done most frequently when a student desires to become more proficient in a class that he/she may have already passed.

Online Courses

At Martin Luther, we strongly believe that the best learning environment is in the classroom. We are equipped with a wonderful staff of well-qualified teachers to help students become successful on an academic, social, and spiritual level. Since online courses do not offer the numerous benefits that can be obtained in our classrooms, online courses may only be taken for credit recovery or to help fulfill graduation requirements for students with scheduling conflicts.

Students wishing to enroll in an online class for credit recovery or graduation requirements must consult their counselor and complete the necessary paperwork for approval before enrolling.

Service Credit Graduation Requirement

Serving others is commanded by God and gives Him glory. Prior to graduation, each student will be expected to have completed 60 total credits of volunteer service (or for transfer students, 15 credits per year for each year s/he has attended Martin Luther High School). Volunteer hours—which are calculated into credits—can be completed at school approved non-profit organizations, events, and other opportunities provided through our school. Credits are submitted and tracked through Schoology.



GRADING

Grading Scale

Martin Luther High School has a school-wide grading scale which is used in all graded classes. Advanced Placement (AP) and Dual Credit classes are given a weighted grade point. A student taking an AP or Dual Credit class receives a one point higher grade point for being in the higher level class.

Percentage	Letter	Grade GPA	AP/DC-GPA
92-100	A	4.00	5.00
90-91	A-	3.67	4.67
88-89	B+	3.33	4.33
82-87	B	3.00	4.00
80-81	B-	2.67	3.67
78-79	C+	2.33	3.33
72-77	C	2.00	3.00
70-71	C-	1.67	2.67
68-69	D+	1.33	2.33
62-67	D	1.00	2.00
60-61	D-	0.67	1.67
Below 60	F	0.00	0.00
Audit	AU	0.00	0.00

GPA

Semester, transfer, and summer school grades count toward a student's Grade Point Average (GPA). Semester, transfer, and summer school grades will be recorded on the student transcript.

The semester GPA is calculated by dividing the total number of points as shown in the grading scale, by the number of courses taken in the semester.

The cumulative GPA consists of grades from all high school courses taken.

Dropping Classes/Incompletes

Semester 1: Students have until the 10th school day to change courses. Counselor must approve/complete the change.

Semester 2: Students have until the 5th school day to change courses. Counselor must approve/complete the change.

If a student chooses to drop a class after six weeks into a semester (with teacher and counselor approval), a grade of Incomplete (INC) will be given, and no credit earned.

Academic Recognition

The semester GPA is used for determining Honor Roll placement. Students who earn a semester GPA between 3.0 and 3.49 will qualify for the Honor Roll. Students who earn a semester GPA of 3.5 or higher will qualify for the High Honor Roll.



College Credit Earned at Martin Luther

Advanced Placement Courses(AP)

AP Courses give high school students the chance to earn college credit during their high school years. Students should be aware of the prerequisites for these courses as they plan their four years at Martin Luther High School. Department Approval is required for students planning to take an AP course.

Martin Luther High School currently offers eighteen Advanced Placement courses. The College Board subject tests in spring are graded on a 1-5 basis. Students who score a 3, 4, or 5 can receive credit, advanced placement, or both depending on the college.

Information on AP courses and exams may be found at www.collegeboard.com. Currently the cost of the test is approximately \$94 per subject. Cost is subject to change according to national regulations.

AP Studio Art	AP Biology	AP Computer Science Principles
AP Chemistry	AP Computer Science A	AP Environmental Science
AP Music Theory	AP Physics	AP English Literature
AP Human Geography	AP English Language	AP Psychology
AP Research	AP US History	AP Seminar
AP World History	AP Calculus AB; BC	

Dual Credit Courses

In partnership with Concordia University–Nebraska (CUNE), Martin Luther offers several dual credit courses. This program allows high school students to earn college credit through CUNE at a reduced cost while taking the approved dual credit class in high school. Dual credit courses operate using a weighted grade point scale. Historically, these course credits have been transferrable with many colleges and universities.

Note: The college credit is awarded through Concordia University Nebraska (CUNE) after students complete the high school class. Currently the cost per college credit is \$90—this is subject to change.

Dual Credit Courses Offered

Mandarin 1 = CUNE Chinese 101: Beginning Mandarin 1 (3 credits)

Mandarin 2 = CUNE Chinese 102: Beginning Mandarin 2 (3 credits)

Mandarin 3 = CUNE Chinese 201: Intermediate Mandarin 1 (3 credits)

Mandarin 4 = CUNE Chinese 202: Intermediate Mandarin 2 (3 credits)

Spanish 2 = CUNE Spanish 101: Beginning Spanish I (3 credits)

Spanish 3 = CUNE Spanish 102: Beginning Spanish II (3 credits)

Spanish 4 = CUNE Spanish 201: Intermediate Spanish I (3 credits)

AP Calculus AB = CUNE Math 184: Calculus I (4 credits)

AP Calculus BC = CUNE Math 186: Calculus II (4 credits)

AP Statistics = CUNE Math 122: Introduction to Statistics (3 credits)

AP Physics = CUNE PHYS 110: Principles of Physics (4 credits)

AP Psychology = CUNE PSY 101: Introduction to Psychology (3 credits)

AP US History = CUNE HIST 115: U.S. History (3 credits)



Post Secondary Planning

Faculty and staff at Martin Luther High School are committed to helping students find their interests, strengths, and callings beyond their studies at Martin Luther. Whether students hope to continue their education, join the military, start an apprenticeship, or become employed, staff has access to tools that can help guide and support students into their next phase. Programs and tools used by The Office of Student Life staff include Junior Achievement, CESA 6, Xello, College Board, ACT, and the Common App.

Martin Luther is now a member of the Wisconsin Youth Apprenticeship Program—Wisconsin's statewide School-to-Work initiative. It is designed for high school students who want hands-on learning in an occupation at a worksite, along with classroom instruction. This one-year or two-year elective program combines academic and technical instruction with mentored on-the-job-training.

Another program that has recently been introduced at Martin Luther is the Dual Enrollment in collaboration with Milwaukee Area Technical College (MATC). There are several programs that students can choose from. Students will work with their counselor to complete the necessary applications for each program.

VISUAL ARTS

DESCRIPTION

COURSE TITLE

Art Foundations will explore design through a series of assignments for students to develop creative solutions to challenges based on a series of limitations. Assignments will cover both 2-D and 3-D design for the purpose of exploring how they impact and influence each other. Students will learn to identify the use of the elements and principles of design as they appear in completed works. All units and assignments are taught to accommodate a wide range of skills and abilities. Course Fee: \$25.00	Art Foundations Credits:1 Grade: 9-10-11-12 Prerequisite: None Duration: Semester
This course focuses on the development of observational drawing skills. Students will work to strengthen their ability to draw objects from sight, applying proper proportions, values, and color. Media explored may include graphite pencil, charcoal, color pencil, chalk, pastel, and oil pastel. Course Fee: \$5.00	Drawing/Painting 1 Credits: 1 Grade: 9-10-11-12 Prerequisite: Art Foundations Duration: Semester
Drawing & Painting 2 builds on the skills developed in D&P 1. Students will use their observational drawing techniques in the development of paintings and drawing. Media explored may include acrylic paint, watercolor, graphite pencil, charcoal, chalk, pastel, oil pastel, and color pencil. Course Fee: \$35.00	Drawing/Painting 2 Credits: 1 Grade: 10-11-12 Prerequisite: Drawing/Painting 1 Duration: Semester
This course builds on the skills developed in Drawing & Painting 1 and 2. Students will apply learned techniques to the development of works that express an idea or message to the viewer. Students will utilize media experiences in previous levels in new ways to portray different surfaces, objects, and the human form. Course Fee: \$35.00	Advanced Drawing Credits: 1 Grade: 11-12 Prerequisite: Drawing/Painting 2 Duration: Semester
Advanced Painting builds on the skills developed in Drawing & Painting 1 and 2. Students will apply learned techniques to the development of works that express an idea or message. Students will work with watercolor and oil paints. Course Fee: \$35.00	Advanced Painting Credits: 1 Grade: 11-12 Prerequisite: Drawing/Painting 2 Duration: Semester

<p>Ceramics 1 focuses on developing the student's ability to use clay to make works that are either sculptural or functional. Students will gain an understanding of the properties and limitations of clay in both hand-building and use of the potter's wheel. An introductory level of glaze application and other surface treatments will be utilized for the finishing of pieces. Alternative firing techniques will be introduced including raku, saggar, pit, and horse hair. Course Fee: \$25.00</p>	<p>Ceramics 1 Credits: 1 Grade: 9-10-11-12 Prerequisite: Art Foundations Duration: Semester</p>
<p>Ceramics 2 allows for students to take a more self-directed course. Students will have the option of working with hand-building, the potter's wheel, or both. A series of assignments will be introduced to meet the chosen path of the student. The introduction of new surface treatments and decorative techniques will be explored with each of the assignments allowing students to develop a body of work that expresses their personality and style. Alternative firing techniques will be further explored. Course Fee: \$25.00</p>	<p>Ceramics 2 Credits: 1 Grade: 10-11-12 Prerequisite: Ceramics 1 Duration: Semester</p>
<p>Sculpture will take the knowledge of the elements and principles of design learned in Art Foundations and apply them to the exploration of a variety of media. Students will learn to explore the possibilities and limitations of a given material to express an idea or message utilizing both real and abstract compositions. Media may include clay, plaster, plastic, wood, wire, and small metals. Course Fee: \$25.00</p>	<p>Sculpture Credits: 1 Grade: 10-11-12 Prerequisite: Art Foundations Duration: Semester</p>
<p>This is a portfolio course designed for the highly motivated student who wants to explore individual ideas. Each student will produce a quality body of work that will prepare him/her for entrance into a collegiate art program. If the student chooses, s/he may submit a portfolio to the College Board for evaluation and the possibility of receiving college credit. AP credit can be earned in Drawing, Painting, Photography, Ceramics, and/or Sculpture. There is a fee for the AP Studio Art Exam. Course Fee: \$50.00</p>	<p>AP Studio Art Credits: 2 Grade: 12 Prerequisite: All courses related to chosen subject Duration: Yearlong</p>

DIGITAL ARTS

DESCRIPTION

COURSE TITLE

Learn the basics of photography as a technical skill and as an art. Understand all aspects of exposure, composition, and natural lighting. Learn about different disciplines and genres of photography as well as different camera types and applications. Basic computer editing skills in Adobe Lightroom will be learned. Entry level class. <i>Art Foundations is recommended but not required.</i>	Photography 1 Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester
Explore intermediate technical skills in photography and develop your voice as a photographer. Introduction to off-camera lighting and studio photography. Intermediate computer editing skills in Adobe Lightroom, photo organization and archiving skills in Adobe Bridge, and the basics of Adobe Photoshop.	Photography 2 Credits: 1 Grade: 10-11-12 Prerequisite: Photography 1 Duration: Semester
Dive into the world of photo manipulation and retouching by mastering advanced skill in Adobe Photoshop. Create art by combining photos and through manipulation. Students will develop technical camera skills with advanced camera equipment in natural and studio settings. Students will also develop creativity and find their voice as a photographer.	Digital Photo Manipulation Credits: 1 Grade: 11-12 Prerequisite: Photography 2 Duration: Semester
As the culmination of this high school photography journey, this course will help you to develop a technically proficient, artistically voiced, visual masterpiece portfolio suitable for gallery display or scholarship application for future students in art and photography.	Photography Portfolio Credits: 1 Grade: 11-12 Prerequisite: Dig. Photo Manipulation Duration: Semester
Learn the basics of video creation as a technical skill including composition, filming, lighting, and audio. Create videos within a variety of genres to meet client requests, viral expectations, or to prepare for cinema. Learn the basics of editing in Final Cut Pro and Adobe Premier Pro.	Video Production Credits: 1 Grade: 10-11-12 Prerequisite: Sophomore Status Duration: Semester

Learn the history of cinema and filmmaking, by watching, analyzing, and understanding award-winning classic and modern films. Write your own screenplay and create your own short and feature-length films. <i>Video Production is recommended but not required.</i>	Filmmaking 1- Feature Films Credits: 1 Grade: 11-12 Prerequisite: Junior Status Duration: Semester
Master the fundamentals of research and storytelling true stories. Explore acclaimed documentaries and learn from the most provocative films in the history and modern era of filmmaking. Write and create your own documentary film. <i>Video Production is recommended but not required.</i>	Filmmaking 2- Documentary Films Credits:1 Grade 11-12 Prerequisite: Junior Status Duration: Semester
Research, casting, writing, and production of your own feature film or documentary. Selected films may be eligible for entry into the Milwaukee Film Festival Student Film Program. This course prepares you for a future in filmmaking, video production, cinematography or further studies in the field.	Film & Video- Direct and Produce Credits: 1 Grade: 11-12 Prerequisite: Junior Status Duration: Semester
Learn the basics of digital design, composition, and content creation. Learn about future applications for graphic design. Basic skills of Adobe Illustrator and InDesign and their interaction with other Adobe programs. <i>Foundations of Art is recommended but not required.</i>	Graphic Design Credits: 1 Grade: 10-11-12 Prerequisite: Sophomore Status Duration: Semester
Learn how to animate your graphics and make them come alive. Tell stories in a new and fresh way by creating your own line of characters, scenes, worlds, and more.	Animation Credits: 1 Grade: 11-12 Prerequisite: Graphic Design or Video Production & Filmmaking Duration: Semester

BUSINESS

DESCRIPTION

COURSE TITLE

<p>This course is designed to introduce business principles. It will cover basics of management, marketing, financing and accounting within a business environment as well as career research.</p>	<p>Intro to Business Credits: 1 Grade: 10-11-12 Prerequisite: none Prerequisite: none Duration: Semester</p>
<p>This course will guide students through the process of transforming their ideas from a concept to a business. Students will get the opportunity to work on their own business concepts in this course and the culmination of the course will have students presenting and pitching their business. <i>Introduction to Business is recommended but not required.</i></p>	<p>Entrepreneurship Credits: 1 Grade: 10-11-12 Prerequisite: none Prerequisite: none Duration: Semester</p>
<p>This course focuses on the basics of setting up a company. Topics covered include business ownership, production, entrepreneurship, human resources, advertising, and management functions.</p>	<p>Marketing & Management Credits: 1 Grade: 10-11-12 Prerequisite: Intro to Business Duration: Semester</p>
<p>This course will examine the topics of savings and investing, credit and debt, financial responsibility, money management, insurance risk management, income/careers, as well as how financial decisions fit into the Christian faith. The curriculum uses personal money management expert Dave Ramsey's "<i>Financial Peace</i>" school curriculum. Personal Finance is cross-referenced with the Family and Consumer Living Department.</p>	<p>Personal Finance Credits: 1 Grade: 10-11-12 Prerequisite: none Prerequisite: none Duration: Semester</p>

ENGLISH

DESCRIPTION

COURSE TITLE

<p>This course is designed to provide students with a solid foundation in the four skill areas of language arts: reading, writing, speaking, and listening. In Comprehensive English, students will study informational and fictional texts, learn to critically evaluate and respond to the texts, and clearly express their ideas through writing and speaking.</p>	<p>Comprehensive English Credits: 2 Grade: 9 Prerequisite: none Prerequisite: none Duration: Yearlong</p>
<p>This course is designed to foster literary analysis and proper writing form in an environment that eases students into the high school experience. Composition is emphasized, first as an organized paragraph, then in a five-paragraph essay. Students will study short stories, poetry, drama, and the novel, with an emphasis on developing literary analysis skills. The memorization of vocabulary and literary terms is also required.</p>	<p>English I Credits: 2 Grade: 9 Prerequisite: none Prerequisite: none Duration: Yearlong</p>
<p>This course is designed to foster literary analysis and proper writing form in an environment that builds on skills students developed in middle school. It is expected that students taking Accelerated English already have a strong grasp of grammar, vocabulary, and writing skills. They must also be close to grade level in reading comprehension. Composition is emphasized, first as an organized paragraph, then in a five-paragraph essay. Students will study short stories, poetry, drama, and the novel, with an emphasis on developing literary analysis skills. The memorization of vocabulary and literary terms is also required. Placement in this course is determined by the English placement test taken after admission.</p>	<p>Accel English I Credits: 2 Grade: 9 Prerequisite: none Duration: Yearlong</p>
<p>This course is designed to continue developing the skills emphasized in English 1. A wide variety of short stories and poetry chosen for high-interest reading will be used to foster both an enjoyment of reading and stimulating class discussion. Topics of literature read will be the basis for a series of writings that range from personal essay responses to short, researched essays. Online educational programs including Read Theory (to improve reading comprehension) and IXL (to improve grammar and writing skills) will be utilized.</p>	<p>English II Credits: 2 Grade: 10 Prerequisite: Eng I Duration: Yearlong</p>

<p>English 3 is designed to build on the skills learned in English 2. This class is a blend of American and British Literature, with emphasis on short stories, poetry, and novel analysis. Students will be expected to analyze and report on the writings read through essays, presentations, and speeches. Another major focus in this class is ACT, college readiness, and real-world writing preparedness (college application, job application, resume letters, etc...).</p>	<p>English III Credits: 2 Grade: 11 Prerequisite: English II or AP Seminar Duration: Yearlong</p>
<p>AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. AP Seminar is a unique AP class in that it has both an exam and portfolio component.</p>	<p>AP Seminar Credits: 2 Grade: 10 Prerequisite: Accel English I or English I Duration: Yearlong</p>
<p>Recommended for the college-bound student, this yearlong course is a rigorous study of both British and American literature. Students will examine annotated versions of classic texts, several novels in paperback form, a number of classic plays, and many timeless poems. The course emphasizes a sophisticated level of literary analysis, including the study of many different schools of critical thought (including historical, biographical, feminist, and philosophical theories). The composition of several lengthy, thesis-driven essays is required. There is a fee for the AP English Literature exam</p>	<p>AP Language Credits: 2 Grade: 11 Prerequisite: English II or AP Seminar Duration: Yearlong</p>
<p>Creative Writing is designed to help students develop abilities in the area of imaginative writing focusing on ideas, voice, perspective, characterization, and style as well as capturing reality through content. Students will study various genres such as free verse poetry, short fiction, and essays. Emphasis will be placed on the importance of revision and author workshop and students will be required to do both self and peer critiques of writing.</p>	<p>Creative Writing Credits: 1 Grade: 12 Prerequisite: English III or AP Lang Duration: Semester</p>
<p>This course takes a look at a variety of timely themes (war, rite of passage, politics, and social acceptance, to name a few) and analyzes the perceptions given to young people today through several different mediums. Predominantly, the class views Hollywood movies and reads current news articles and short non-fiction essays to provide an overview of the chosen themes. Students are required to discuss the current and prevailing attitudes, write short analytical essays that explore their findings and beliefs on the topics chosen, and make one major presentation to the class on one specific theme</p>	<p>Fact vs Fiction Credits: 1 Grade: 12 Prerequisite: English III or AP Lang Duration: Semester</p>

<p>This course is a combination of analysis of timeless plays, intermixed with dramatic instruction and interpretation. Students are expected to contribute individually and in a group setting, including performing a monologue or scene and participating in a class chapel production on stage or behind the scenes. The course includes the study of several classic texts, including <i>Macbeth</i> and <i>Oedipus Rex</i>. In order to appreciate drama in its true form, attendance to a theater production is required.</p>	<p>History of Drama Credits: 1 Grade: 12 Prerequisite: English III or AP Lang Duration: Semester</p>
<p>What works of fiction and nonfiction written in your lifetime will be considered a classic in years to come? This class focuses on some of the best poetry, novels, non-fiction, drama, and short stories written in the 21st century. Selections from Pulitzer Prize winning works to blogs will be read, discussed, and explored. Students will analyze literature in a variety of ways and express their analysis through writing papers, participating in roundtable discussions, and group presentations. Identifying and exploring the elements that make a modern work great will lead us to perhaps discovering a future classic</p>	<p>Modern Literature Credits: 1 Prerequisite: English III or AP Lang Duration: Semester</p>
<p>In World Literature, students develop a global mindset through the study of texts from a variety of geographic regions, cultures, and time periods. Students work through course content by reading an anchor text and using supplemental materials such as short stories, non-fiction excerpts, and other media to inform their study. Students' mastery of each unit's content and skills will be evaluated through formative and summative assessments including daily in-class activities and discussions, creative projects, tests and quizzes, formal writing, and personal reflection.</p>	<p>World Literature Credits: 1 Prerequisite: English III or AP Lang Duration: Semester</p>
<p>Recommended for the college-bound student, this year-long course is a rigorous study of both British and American literature. Students will examine annotated versions of classic texts, several novels in paperback form, a number of classic plays, and many timeless poems. The course emphasizes a sophisticated level of literary analysis, including the study of many different schools of critical thought (including historical, biographical, feminist, and philosophical theories). The composition of several lengthy, thesis-driven essays is required. There is a fee for the AP English Literature exam.</p>	<p>AP English Literature Credits: 2 Prerequisite: English III or AP Lang Duration: Yearlong</p>

FAMILY AND CONSUMER EDUCATION

DESCRIPTION

COURSE TITLE

<p>This course is designed to acquaint students with basic clothing construction techniques that include the following: understanding and care of the machines, color, style, design selection, simple pattern alteration, and basic knowledge of fabrics. One craft project will be required of the student. In addition, three to four other fabric projects will be completed. Course Fee \$75 for fabric/materials.</p>	<p>Sewing 1 Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester</p>
<p>This course further explores the world of clothing construction. Three major projects are required for completion of this course. Introduction and use of the serge machines will also be emphasized. Course Fee \$75 for fabric/materials.</p>	<p>Sewing 2 Credits: 1 Grade: 10-11-12 Prerequisite: Sewing 1 Duration: Semester</p>
<p>The student, with teacher approval, will select a minimum of three individual projects. Emphasis will be made on different fabrics and advanced techniques. The serge machine will be used more extensively. Course Fee \$75 for fabric/materials.</p>	<p>Sewing 3 Credits: 1 Grade: 11-12 Prerequisite: Sewing 2 Duration: Semester</p>
<p>This class offers highly motivated students a unique opportunity to further their student in sewing. The student will determine his/her own area of study with the teacher's approval. This course also gives the student the opportunity to develop pieces for a portfolio for college entrance and/or allows ambitious clothing students to explore their own creative talents further. Course Fee \$75 for fabric/materials</p>	<p>Sewing Ind. Study Credits: 1 Grade: 12 Prerequisite: Sewing 3 Duration: Semester</p>
<p>This course explores the fundamentals of nutrition and food preparation. Students will plan and properly measure recipe ingredients, and practice a variety of cooking and baking methods. Students taste-test and can eat their products. Basic kitchen tool identification and proper food preparation are strongly emphasized. Course Fee: \$60.00</p>	<p>Foods 1 Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester</p>

<p>This advanced course builds upon experience and knowledge gained in the introductory course. Topics include budgeting, meal planning and nutrition in today's world. A major project focused on the fast food industry is required and will strongly emphasize the relationship of diet to health and sustainability for a global society. Course Fee: \$60.00</p>	<p>Foods 2 Credits: 1 Grade: 10-11-12 Prerequisite: Foods 1 Duration: Semester</p>
<p>This course covers cultural differences in foods both American and International. Each week focuses on a different country and its specific foods. Through weekly cooking, students will learn to prepare meals and incorporate international cooking techniques, demonstrate the knowledge of different styles of service, define international food terms and demonstrate appropriate preparation techniques. Course Fee: \$60.00</p>	<p>Foods 3 Credits: 1 Grade: 10-11-12 Prerequisite: Foods 2 with a "C" or higher Duration: Semester</p>
<p>In this class, students have the opportunity to explore the exciting and developing professions in the culinary industry using the National Restaurant Associations' ServSafe curriculum. When students successfully complete the program, they will receive certification from the National Restaurant Association. This certification could provide students with articulated college credit or advanced standing opportunities at more than thirty colleges and universities across the United States. Students may also have the opportunity to compete at state and national events. Course Fee: \$60.00</p>	<p>Culinary Careers Credits:1 Grade: 11-12 Prerequisite: Foods 2 with a "C" or higher Duration: Semester</p>
<p>Students study the growth patterns of a child from prenatal development up to one year of age. Each stage is studied from the viewpoint of the physical, intellectual, social and emotional development. Students will work with the "Baby Think It Over" dolls. There will be several other hands-on activities throughout the semester.</p>	<p>Child Development 1 Credits:1 Grade: 10-11-12 Prerequisite: none Duration: Semester</p>
<p>Students will continue their study of growth patterns in children. Focus will be placed on the developing child after year one and through adolescence. Units on children's health and safety will also focus on First Aid techniques and careers working with children. There will be several hands-on activities throughout the semester.</p>	<p>Child Development 2 Credits: 1 Grade: 10-11-12 Prerequisite: Child Development 1 Duration: Semester</p>

INDUSTRIAL ARTS

DESCRIPTION

COURSE TITLE

<p>This semester-long course is designed to teach the student life skills in the use of hand tools and power equipment. Through the construction of various projects, students will also learn basic safety practices, joint construction, measuring and reading diagrams. No previous woodshop experience needed, but a working knowledge of measurements is helpful. A textbook will be used throughout the course. Course Fee: \$85</p>	<p>Woods 1 Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester</p>
<p>This semester-long class builds on the skills and knowledge of Woods 1. Students will complete the text and finish learning about the various power tools in the shop and their applications. Students will complete three projects which will be more detailed and complex than Woods 1. Course Fee: \$150</p>	<p>Woods 2 Credits:1 Grade: 10-11-12 Prerequisite: Woods 1 Duration: Semester</p>
<p>This is a semester-long course, but students have the option of making this a year-long course by adding Woods 3Y second semester. For the students who opt for the semester-long course, they will plan and build two or three complex projects of their choice with instructor approval. This advanced course provides students with greater challenges to use the skills and knowledge previously learned while introducing new processes and techniques. This course is exclusively hands-on. Course Fee: \$150</p>	<p>Woods 3S Credits:1 Grade: 11-12 Prerequisite: Woods 2 Duration: Semester</p>
<p>Students who opt for the year-long course will continue with and complete the project(s) started in Woods 3S. This not only includes continuing to plan and build their projects, but also finishing (seal/stain/paint, etc) their pieces. Students will continue to incorporate the skills and knowledge of prior classes while learning new processes and techniques. Course Fee: \$300 (total for two semesters)</p>	<p>Woods 3Y Credits: 2 Grade: 11-12 Prerequisite: Woods 2 Duration: Yearlong</p>
<p>This semester course will introduce basic engine operation and automobile systems. Students will be disassembling and assembling small engines. They will also be learning the basic systems of automobiles including how to change oil, tires, and spark plugs. Course Fee: \$25</p>	<p>Small Engines Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester</p>

<p>This semester-long course will introduce students to metal working. Students will learn basic welding, sheet metal working, reading part schematics and manufacturing standards. The ability to read a tape measure and understand fractions and decimals is helpful.</p> <p>Course Fee: \$65</p>	<p>Fabrication 1</p> <p>Credits: 1</p> <p>Grade: 9-10-11-12</p> <p>Prerequisite: none</p> <p>Duration: Semester</p>
<p>This course is project based and designed to build on skills learned in Fabrication 1. Students will continue to learn about metal shaping, plasma cutting, welding setups, machining techniques, metal bending and advanced blueprint reading. Course Fee: \$65</p>	<p>Fabrication 2</p> <p>Credits: 2</p> <p>Grade: 11-12</p> <p>Prerequisite: Fabrication 1</p> <p>Duration: Yearlong</p>

MATHEMATICS

DESCRIPTION	COURSE TITLE
<p>This course is designed for students who have completed Pre-Algebra in grade school or Algebra Lab. Emphasis is placed on the structure of the real number system, the use of variables in algebraic expressions, the solving of equations and inequalities, graphing skills, and the development of logical thinking skills. Students need a scientific Texas Instruments calculator.</p>	<p>Algebra Credits: 2 Grade: 9 Prerequisite: Placement Test Duration: Yearlong</p>
<p>This course is designed for the average to above average student. The focus is on a deep understanding of algebraic theory and its application to problems. In addition to the topics taught in Algebra, students will be expected to recognize real number properties and axioms in rigorous derivations of various properties, use quadratic equations to find maximum and minimum values, solve linear systems of equations, and solve equations involving radical expressions. Students need a scientific Texas Instruments calculator.</p>	<p>Accel Algebra Credits: 2 Grade: 9 Prerequisite: Placement Test Duration: Yearlong</p>
<p>Geometry is the study of the relationships between plane figures. Points of emphasis include: developing student awareness of the geometric concepts present in the world, geometric constructions, area relationships, and the inductive and deductive reasoning processes. Students successfully completing Algebra should enroll in this class. Students need a Texas Instruments calculator – Either Model TI-30 or Model TI-84</p>	<p>Geometry Credits: 2 Grade: 10 Prerequisite: Algebra or Accel Algebra Duration: Yearlong</p>
<p>This course is the study of the relationships between plane figures. Points of emphasis include developing student awareness of the geometric concepts present in the world, formal proofs, logic and area relationships, and the deductive and inductive reasoning processes. The course moves at a accelerated pace and covers more topics than the Geometry course. Students need a Texas Instruments graphing calculator - Model TI-84</p>	<p>Accel Geometry Credits: 2 Grade: 9-10 Prerequisite: Placement Test or Accel Algebra Duration: Yearlong</p>
<p>This is a course designed for the student who has completed Geometry. The course will prepare the student to take Advanced Algebra/Trigonometry or intro college level math. Topics from Algebra and Geometry will be reviewed and extended. New topics will be explored. Students need a Texas Instruments calculator – Either Model TI-30 or Model TI-84</p>	<p>Algebra 2 Credits: 2 Grade: 11-12 Prerequisite: Geometry</p>

<p>This is a one-semester course designed to introduce students to the basic concepts of statistics, including methods of gathering, displaying and interpreting data, probability patterns, and problem solving.</p>	<p>Statistics Credits: 1 Grade: 11-12 Prerequisite: Geometry Duration: Semester</p>
<p>In this semester course, students will see the connections among mathematical topics and real-life events and situations, while sharpening their problem solving, mathematical reasoning and communication skills. Topics will include: Election Theory, Fair Division, Math Induction, Matrix Operations and Applications, Graphs, Subgraphs, Trees, and Their Applications, Counting and Probability, Game Theory and Recursion. This course is an excellent companion course to be taken in the same school year as Introduction to Statistics. Students need a graphing calculator - Model TI-84</p>	<p>Discrete Math Credits: 1 Grade: 11-12 Prerequisite: Geometry Duration: Semester</p>
<p>This is a rigorous course for average and above-average students who have completed a year of algebra and geometry. Emphasis is given to the structure of algebra and to a formal introduction to trigonometry. Manipulative skills needed to perform algebraic operations are stressed, along with developing the student's power to think logically. Students need a graphing calculator - Model TI-84</p>	<p>Adv. Algebra/Trig Credits: 2 Grade: 10-11-12 Prerequisite: Geometry Duration: Yearlong</p>
<p>This is a course for the advancement and enrichment of mathematics and to prepare students to take AP Calculus. Besides a basic review of advanced algebra and trigonometry, topics include sequences, series, analytical geometry, statistics, probability, limits, and derivatives. Students need a graphing calculator - Model TI-84</p>	<p>Pre-Calculus Credits: 2 Grade: 11-12 Prerequisite: AAT Duration: Yearlong</p>
<p>AP Statistics is designed to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Statistics has become an increasingly useful subject to know in occupations related to medicine, law, and financial services. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course. There is a fee for the AP Statistics exam. Students need a graphing calculator - Model TI-84</p>	<p>AP Statistics Credits: 2 Grade: 11-12 Prerequisite: AAT Duration: Yearlong</p>

<p>AP Calculus is designed to assist the student in mastering the necessary calculus skills needed to pass the Advanced Placement Calculus AB test and earn college credit for calculus. Differential and integral calculus topics are studied in great detail. There is a fee for the AP Calculus exam. Students need a graphing calculator - Model TI-84</p>	<p>AP Calculus AB Credits: 2 Grade: 11-12 Prerequisite: Pre-Calculus "B" or higher Duration: Yearlong</p>
<p>AP Calculus is designed to assist the student in mastering the necessary calculus skills needed to pass the Advanced Placement Calculus BC test and earn college credit for calculus. Differential and integral calculus along with sequence and series topics are studied in great detail. There is a fee for the AP Calculus exam. Students need a graphing calculator - Model TI-84</p>	<p>AP Calculus BC Credits: 2 Grade: 12 Prerequisite: Pre-Calculus "B" or higher Duration: Yearlong</p>

MUSIC

DESCRIPTION

COURSE TITLE

<p>This is a performance course open to all students who like to sing and are interested in improving their vocal skills. Voice training, ear training, note reading, and general music theory are areas of instruction. Choral literature includes both sacred and secular music. The Spartan Singers perform for the Christmas and Spring concerts. No previous experience required.</p>	<p>Spartan Singers Credits: 2 Grade: 9-10-11-12 Prerequisite: none Duration: Yearlong</p>
<p>This is an advanced performance course in which students gain an understanding of the function of choral music, especially in Christian worship. Through the preparation and performance of both sacred and secular choral literature, advanced vocal skills, and techniques are developed and enhanced. The Concert Choir performs at ML chapel services, worship services at area Lutheran churches, the annual Christmas and Spring concerts, and the annual Choir Tour.</p>	<p>Concert Choir Credits: 2 Grade: 10-11-12 Prerequisite: Audition Duration: Yearlong</p>
<p>This instrumental ensemble is open to all students who are interested in learning a band instrument. No previous musical background is required. The Spartan Band plays for the Christmas and Spring concerts. Students can choose from the following instruments: flute, clarinet, saxophone, trumpet, trombone, and baritone. Percussion can only be learned if there is prior piano background. Students are responsible for upkeep of instruments and for any repairs needed throughout the year. Small purchases may be required for reeds, valve oil, etc.</p>	<p>Spartan Band Credits: 2 Grade: 9-10-11-12 Prerequisite: none Duration: Yearlong</p>
<p>This instrumental ensemble is open to all students who wish to further their previous band training. Special attention is given to tone production and instrumental technique. The Varsity Band plays for pep band events and annual Christmas and Spring concerts.</p>	<p>Varsity Band Credits: 2 Grade: 9-10-11-12 Prerequisite: Audition Duration: Yearlong</p>
<p>This is a performance course that utilizes previous training in instrumental music to present the classic and popular works in the band repertoire. Instrumental fundamentals and techniques are studied for continued self-improvement. A sense of musicianship and artistic expression is developed through the preparation and performance of concert music. The Symphonic Band plays for pep band events, performs in annual Christmas and Spring concerts, and travels for the annual Band Tour.</p>	<p>Symphonic Band Credits: 2 Grade: 9-10-11-12 Prerequisite: Audition Duration: Yearlong</p>

<p>This course explores the ways that music gives shape to the cultural settings in which it is performed, through studying selected musical traditions from around the world. Specific case studies will be examined closely through listening, analysis, and hands-on instruction. Students will also create instruments and experiment with them.</p>	<p>World Music Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester</p>
<p>Students will build basic piano skills step-by-step with the help of hands-on exercises, audio and video recordings, and detailed instructions. Beginners will get acquainted with all parts of the piano. Students will also explore the fundamentals of music notation and find out how to produce clear, beautiful notes and chords, as well as how to control rhythm, tempo, and volume, and how to express oneself artistically. The piano skills mastered in this course will allow students to being playing any style of piano music. Course Fee: \$20</p>	<p>Functional Piano Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester</p>
<p>Students will create music using current platforms for audio looping, sampling, mash-ups, and many more. This course is also designed as an introduction to music fundamentals, notation, and theory, but through the lens of technology. Online tools for music notation and music production will be used to refine and grow students' creative abilities.</p>	<p>Music Production Credits: 1 Grade: 9-10-11-12 Prerequisite: none Duration: Semester</p>
<p>AP Music Theory is designed for the mature musician who is interested in enhancing their music ability through a rigorous study of music theory. The class will enable the student to understand theoretical and historical significance of harmonic structure as it relates to Western music. Students will develop necessary technical skills used in analysis of music structurally and harmonically. Students will devote a significant amount of time developing their aural capabilities. These "aural skills" include sight-singing, interval and chord recognition, melodic dictation, and harmonic dictation. Music (primarily of the Western culture) will be studied by both aural and written methods to develop both the "eye" and "ear" of the progressing student. Ultimately, the class will prepare students for the AP Music Theory examination. All students enrolled are highly encouraged to take the AP Music Theory exam in May.</p>	<p>AP Music Theory Credits: 2 Grade: 11-12 Prerequisite: Department Approval Duration: Yearlong</p>

PHYSICAL EDUCATION

DESCRIPTION	COURSE TITLE
This course provides opportunities for the student to explore many activities in the search of his/her personal health and fitness needs. Some of the topics to be covered are cardiovascular and muscular strength and endurance, flexibility, as well as health topics such as nutrition, mental/emotional health, obesity, STDs, drugs and alcohol, and First Aid.	Health and Fitness Credits: 1 Grade: 9 Prerequisite: none Duration: Semester
The course is designed to have an emphasis on indoor and outdoor activities, and for students to develop an appreciation and desire to continue these activities into their adult lives. The activities that will be focused on (but not limited to) include: Frisbee Golf, Racquetball, Bicycling, Outdoor Skills/Camping, Bowling and Golf. Course Fee: \$5.00	Lifetime Activities Credits: 1 Grade: 9-10 Prerequisite: Health and Fitness Duration: Semester
Lifetime Activities 2 is an elective Physical Education course. PE elective course grading is based primarily on participation, effort, citizenship/sportsmanship, and class preparedness. The course's foundation is built from the structure and units used in the prerequisite Lifetime Activities. The course will include mini units in Volleyball, Tennis, Badminton, Disc Golf, and Softball. Other activities include Basketball, Flag Football, Pickleball, Ultimate Games, Yoga/Pilates, and Cooperative Games. Lifetime Activities 2 will follow Physical Education department policy of having one weight room/strength training day per week.	Lifetime Activities 2 Credits: 1 Grade: 10-11-12 Prerequisite: Lifetime Activities Duration: Semester
This course is designed to allow athletes to continue to develop sport specific skills while still allowing them to work towards a healthy and active lifestyle. There will be an emphasis on skills to build their cardiovascular, muscular strength, and endurance. This will be guided by written instruction from the athletes' coaches and directed by the instructor. To be eligible for this class, you must be a participant on at least one athletic team, preferably during the semester you are taking the course,	Athletic Period Credits: 1 Grade: 10-11-12 Prerequisite: Lifetime Activities Duration: Semester
This course is designed to promote lifelong physical activity by participating in officiating and coaching, while also allowing youth the opportunity to participate in sports by addressing the current WIAA officiating shortage. Students prepare to become successful coaches by discussing philosophy, theory, game, practice, season planning, budgeting, and communication. Hot topics in the world of sports will also be discussed.	Sports Officiating & Coaching Credits: 1 Grade: 10-11-12 Prerequisite: Lifetime Activities Duration: Semester

Dynamic Movement Fusion is an engaging high school physical education class that combines the best elements of dance, boxing, yoga, Pilates, and bodyweight fitness to promote overall health, coordination, and strength.

**Dynamic Movement
Fusion**

Credits: 1

Grade: 10-11-12

Prerequisite:

Lifetime Activities

Duration: Semester

SCIENCE

DESCRIPTION

COURSE TITLE

<p>This course introduces students to basic concepts of chemistry and physics. Working with measurements, using mathematical calculations and equations, and applying problem solving techniques are an integral part of this course. Laboratory investigations are an important part of the curriculum; thus safety glasses are required and available through the science department for approximately \$7.00.</p>	<p>Physical Science Credits: 2 Grade: 9 Prerequisite: none Duration: Yearlong</p>
<p>The study of life begins with the basic units of life and moves toward the complex aspects. This course emphasizes being aware of the environment, other organisms, and especially of oneself as an intricate human being. Laboratory activities aid in this understanding.</p>	<p>Biology Credits: 2 Grade: 9-10 Prerequisite: Physical Science or Placement Test Duration: Yearlong</p>
<p>This course is the study of the structure of matter, its properties, and its reactions. Topics covered include: atomic theory, chemical and physical properties of elements, chemical bonding, and the study of chemical reactions. Emphasis is placed on integrating mathematical and problem-solving skills to solve complex chemistry problems and utilizing scientific methodology and technology in the laboratory setting. Chemistry is recommended for all college-bound students. Safety glasses are required and available through the school for approximately \$7.00.</p>	<p>Chemistry Credits: 2 Grade: 10-11-12 Prerequisite: Algebra with a "B" or higher Duration: Yearlong</p>
<p>This course is designed to make students think a little harder about the amazing characteristics of our world that they take for granted every day. Topics include, but are not limited to, light, sound, motion, force, and energy. Mathematical relationships will be studied in detail to establish a conceptual foundation for more advanced future study. Upon completion, students will have a better appreciation for the world they live in and a deeper understanding of the laws God put into place that keep our planet orderly and habitable.</p>	<p>Physics Credits: 2 Grade: 10-11-12 Prerequisite: Biology and Geometry Duration: Yearlong</p>
<p>This course is about the most wondrous of all structures that God has created—the human body. It presents information about the science of the structure of the many human organ systems as well as the functions of these organ systems. This course is designed for those students interested in some type of medical career.</p>	<p>Human Anatomy Credits: 1 Grade: 11-12 Prerequisite: Biology Duration: Semester</p>

<p>This course aims to answer the question “Where did it all come from?”. Whether talking about the universe, the world, or the human race, this class explores the origin of everything. Topics include (but are not limited to) the big bang, evolution, radiometric dating, and the fossil/geologic records and how they point toward the Bible, not away from it. Students who pass this faith-building science class will know how to think critically about these controversial issues and be ready to face them in a university setting. Prerequisite: Biology—though the class is geared toward juniors and seniors with a solid science background. <i>This course is cross-referenced with the Theology Department.</i></p>	<p>Comparative Origins Credits: 1 Grade: 11-12 Prerequisite: Biology Duration: Semester</p>
<p>The course is an introduction to earth properties and processes on, in, and above the ground. Topics covered include geology (plate tectonics, earthquakes, volcanos, erosion, mountain formation), rocks, and minerals. Students will also look at the Earth’s larger place in the solar system and how God has positioned our planet and tuned its processes to allow humanity to thrive. This class will begin with Earth’s characteristics in geography, rotation, and orbit, followed by rocks, minerals, and geologic processes. The class must be taken along with or after completion of Biology.</p>	<p>Earth Science Credits: 1 Grade: 11-12 Prerequisite: Biology Duration: Semester</p>
<p>Meteorology is all about the weather. This course helps the student discover why different types of weather occur and where our weather systems come from. Students will learn about fronts, air pressure, and wind patterns, and what causes hazardous weather events such as snowstorms, thunderstorms, lightning, tornadoes, and hurricanes. Students will also learn the basics of weather forecasting and learn to predict the weather based on outdoor observations and computer models. This course is designed for anyone who ever goes outside.</p>	<p>Meteorology Credits: 1 Grade: 11-12 Prerequisite: Biology Duration: Semester</p>
<p>This course is designed to be a guided tour of our universe. Topics include, but are not limited to, planets, stars, comets, meteors, black holes, and rockets. The astronomy student will also engage in a variety of projects over the course of the semester. Critical thinking and effective communication skills are emphasized. The wonder of God’s creation begins here on earth, but it doesn’t come to fruition until we travel beyond our skies.</p>	<p>Astronomy Credits: 1 Grade: 11-12 Prerequisite: Biology Duration: Semester</p>
<p>This is a project-oriented course. Students will study elements of the design process, problem solving strategies, and ergonomics. Hands-on designing, building, testing, and evaluating of projects will take place. Design projects may include studies in aerodynamics, thermodynamics, statics, pneumatics, and mechanics. Students are expected to document their designs and turn in a project report at the end of each unit. Course Fee: \$30.00</p>	<p>Design & Technology Credits: 1 Grade: 11-12 Prerequisite: Biology Duration: Semester</p>

<p>This is a college-level course for juniors or seniors who are interested in furthering their knowledge of the biological sciences. In-depth studies of biochemistry, genetics, cytology, anatomy and physiology of plants and animals, and ecology will be achieved. AP Biology is recommended for students desiring to enter an area of medicine, nursing, medical research or biology in college. Prerequisite: B or better in Biology, can be taken same year as Chemistry. There is a fee for the AP Biology exam.</p>	<p>AP Biology Credits: 2 Grade: 11-12 Prerequisite: Biology with a "B" or higher Duration: Yearlong</p>
<p>This course is the equivalent to first semester college calculus-based mechanics. AP Physics will prepare students to take the AP Physics exam in the spring to qualify for college credit. AP Physics is recommended either for students entering a physics related field (such as engineering, architecture, etc.) or for any student wishing to qualify for a college science credit. Prerequisite: B or better in Physics and having passed AAT. There is a fee for the AP Physics exam.</p>	<p>AP Physics Credits: 2 Grade: 11-12 Prerequisite: Physics with a "B" or higher and AAT Duration: Yearlong</p>
<p>The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. This is a year long course, and there is a fee for the AP Environmental Science exam.</p>	<p>AP Environmental Science Credits: 2 Grade: 10-11-12 Prerequisite: Biology with a "B" or higher Duration: Yearlong</p>
<p>The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Prerequisite: B or better in Chemistry. There is a fee for the AP Chemistry exam.</p>	<p>AP Chemistry Credits: 2 Grade: 11-12 Prerequisite: Chemistry with a "B" or higher Duration: Yearlong</p>

SOCIAL STUDIES

DESCRIPTION

COURSE TITLE

This course is designed to give the students a basic knowledge of physical, cultural, and economic geography as applied to the major regions of the world. Emphasis is placed on map work, terminology, landforms, and climate conditions. Students learn how to organize information on how land and people affect each other politically and economically. The course is also intended to provide students with an awareness of global cultural similarities and differences.

Geography

Credits: 1

Grade: 9-10-11-12

Prerequisite: none

Duration: Semester

This course is designed as an investigation of world history; the sequence begins with the earliest civilizations and concludes with an exploration of the world today. The first semester topics include belief systems, the rise and fall of empires, and the medieval feudal system. The second semester focuses on themes of exploration, cultural, political, and economic revolutions, imperialism and global conflict, and globalization. The course emphasizes document analysis, a variety of note-taking skills, historical research and interpretation, and historical writing skills.

World History

Credits: 2

Grade: 9-10

Prerequisite: none

Duration: Yearlong

This course introduces the student to a comprehensive history of the United States. It describes the struggles and accomplishments of all people who have made valuable contributions to our nation's history. Major areas of study include the development of a nation, the changes and its impact on the people, the diverse cultures in our society, the role of the United States in world affairs, and the experiences and contributions of many people in the United States. The student is given the opportunity to understand the impact of the past on the present and the resulting need to make sound decisions for the future.

US History

Credits: 2

Grade: 10-11

Prerequisite: World History

Duration: Yearlong

This course is intended to familiarize students with the concepts, theories, and practices present in the study of crime and law. In developing effective citizens, the course is designed to provide students with an understanding of the criminal justice system using real American criminal cases. Understanding crimes, as well as consequences, allows students to gain a further civic understanding of our legal system and its impact on society as well as the effects of crime on victims, the criminal, and society. The course will also encourage students to determine what causes crimes by examining different sociological, psychological, and biological theories behind criminal behavior.

Criminal Justice

Credits: 1

Grade: 11-12

Prerequisite: US History

Duration: Semester

<p>The Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.</p>	<p>Psychology Credits: 1 Grade: 11-12 Prerequisite: US History Duration: Semester</p>
<p>This course is designed to acquaint the student with the forces of change that are shaping American life, applying the discipline of Sociology. It covers the development of individual actions and how they are shaped by group behavior. The course emphasizes the development of critical thinking through discussion, reading, research, class activity, lecture, and audio-visual material. A key objective is for students to become informed and responsible Christian participants as they develop their roles in society. Topics include the areas of culture, socialization, social equity, economic conditions, and social institutions.</p>	<p>Sociology Credits: 1 Grade: 11-12 Prerequisite: US History Duration: Semester</p>
<p>In this course, students will explore the fundamentals of economics, including key concepts related to individual economic decisions and the overall economy. They will learn about supply and demand, market structures, and the role of government in economic systems. This course prepares students to analyze economic issues from both personal and societal perspectives. It would be a good course for students who plan to pursue a business career or just want to understand how the economy works.</p>	<p>Economics Credits: 1 Grade: 11-12 Prerequisite: US History Duration: Semester</p>
<p>This course is designed to provide students with an overview of the framework and concepts on which American government is based. The structure and functions of federal, state and local government will be examined along with related aspects such as the political process, citizenship interest groups, and the courts. Emphasis is placed on exposing the students to the variety of resources that both inform and influence public awareness of political issues. Dual credit is available for this course.</p>	<p>American Government Credits: 1 Grade: 11-12 Prerequisite: US History Duration: Semester</p>
<p>This course consists of the study of the art, architecture, and music of the Ancient, Medieval, Renaissance, Baroque, Classical, and Romantic historical periods, as well as an overview of the popular, jazz, and rock music styles of the 20th century. Videos, slides, and recordings are used to help explore the various art forms. Periodic field trips to concert halls and art museums are included to make studies more meaningful. This is an excellent course for students planning to pursue a liberal arts education in college.</p>	<p>Humanities Credits: 1 Grade: 11-12 Prerequisite: US History Duration: Semester</p>

<p>The purpose of AP Human Geography is to introduce students to a systematic study of patterns and processes that have shaped mankind's understanding, use, and alteration of the Earth's surface. Students will learn to use spatial concepts when analyzing human's organization of space, landscapes, and the environmental consequences of their decisions from the local to global level. Students will also be looking for patterns across the cultural landscape, trying to identify trends, and anticipate future phenomena using the scientific methods, research, and tools of geographers. At its core, Human Geography teaches students how to interpret maps, select the correct maps to obtain information, interpret sets of data, and analyze geographic models to effectively evaluate the world we live in.</p>	<p>AP Human Geography Credits: 2 Grade: 9 Prerequisite: Placement Test Duration: Yearlong</p>
<p>AP World History is the study of human societies in all major regions of the world from 1250 - the present. An emphasis is placed on the similarities and differences between these societies and what has caused change within them over time. Furthermore, students will gain extensive practice in college level writing and document analysis with the goal of preparing them for the rigor of the next level. This course will not only provide students with an understanding of the past, but also encourage them to develop the skills historians use to study world history. There is a fee for the AP World History exam.</p>	<p>AP World History Credits: 2 Grade: 10-11-12 Prerequisite: AP Human Geography, Department Approval Duration: Yearlong</p>
<p>APUSH is a college-level course for sophomores, juniors or seniors who wish to deepen their understanding of United States history. Students read, analyze, and evaluate a wide variety of material including primary source documents and scholarly writing. Students apply their own research and knowledge of historical events to discuss, debate, and write about controversial issues in U.S. History. The course is recommended for students with an interest in U.S. History or who wish to pursue a major in social studies. There is a fee for the AP U.S. History exam.</p>	<p>AP US History Credits: 2 Grade: 11-12 Prerequisite: AP World History or Department Approval Duration: Yearlong</p>
<p>The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. AP Psychology course is designed to be the equivalent of the Introduction to Psychology course usually taken during the first college year. There is a fee for the AP Psychology exam. Students are also able to take the course for dual credit, earning both high school and college credit simultaneously. There is a course fee for the dual credit due at the beginning of the semester.</p>	<p>AP Psychology Credits: 2 Grade: 11-12 Prerequisite: AP World History or Department Approval Duration: Yearlong</p>

THEOLOGY

DESCRIPTION

COURSE TITLE

<p>This course is designed to teach an introduction to fundamental concepts of the Christian faith. Content includes training about the Bible, the stories of the people found in it, and how it applies to basic Christian teachings including the Ten Commandments, Lord's Prayer, Baptism, and Communion. This semester course will prepare students to take Old Testament during the 2nd semester of the school year.</p>	<p>Bible Concepts Credits: 1 Grade: 9 Prerequisite: Placement Test Duration: Semester</p>
<p>This course is devoted to a chronological study of the Old Testament. The faith and the lives of the people, especially in their Covenant relationship with the Lord, are studied in order to provide a fuller and deeper understanding of the student's own relationship with God. Special emphasis is placed on the Messianic prophecies and their fulfillment in our Lord Jesus Christ. Emphasis is also placed on the relevance of Old Testament History in the real-life situations and on interpersonal relationships of students in today's world.</p>	<p>Old Testament Credits: 2 Grade: 9 Prerequisite: none Duration: Yearlong</p>
<p>This course includes several major topics of New Testament study. There is an emphasis on the Life of Christ and the History of the New Testament Church through Paul's life. Further study of the New Testament provides a brief description of each of the Epistle writings, along with the topic of witnessing. Included also is a discussion of Worship in the Church.</p>	<p>Life of Christ Credits: 2 Grade: 10 Prerequisite: Old Testament Duration: Yearlong</p>
<p>In this course, the study of the letters written by the Apostles in the New Testament will guide instruction regarding application of Christian principles and teachings in our daily lives.</p>	<p>Epistles and Christian Life Credits: 1 Grade: 11-12 Prerequisite: Life of Christ Duration: Semester</p>
<p>The focus of this class will be defending basic questions about Christianity. An emphasis on proper responses to questions regarding the existence of God, the reliability of the Scriptures, who Jesus is, and more.</p>	<p>Apologetics Credits: 1 Grade: 11-12 Prerequisite: Life of Christ Duration: Semester</p>

<p>This course includes the study of Christian denominations, Pseudo Christian religions, and non-Christian religions. Class work will clarify what makes each religion unique, what similarities and differences there are between them, and how each one views the person of Jesus, His work, and its meaning for us.</p>	<p>World Religions Credits: 1 Grade: 11-12 Prerequisite: Life of Christ Duration: Semester</p>
<p>In this course, students will gain an understanding of the life of the Christian church from its origination at Pentecost through the Reformation era. Issues of evangelism, persecution, doctrines, heresies, and the individuals who played a major role in those will be studied in depth.</p>	<p>The Church Credits: 1 Grade: 11-12 Prerequisite: Life of Christ Duration: Semester</p>
<p>This course provides an in-depth look at the “what”, “where”, and “why” of worship in the life of a Christian and the Church.</p>	<p>Worship Life Credits: 1 Grade: 11-12 Prerequisite: Life of Christ Duration: Semester</p>
<p>This course aims to answer the question “Where did it all come from?”. Whether talking about the universe, the world, or the human race, this class explores the origin of everything. Topics include (but are not limited to) the big bang, evolution, radiometric dating, and the fossil/geologic records and how they point toward the Bible, not away from it. Students who pass this faith-building science class will know how to think critically about these controversial issues and be ready to face them in a university setting. Prerequisite: Biology—though the class is geared toward juniors and seniors with a solid science background. <i>This course is cross-referenced with the Science Department.</i></p>	<p>Comparative Origins Credits: 1 Grade: 11-12 Prerequisite: Life of Christ Duration: Semester</p>
<p>In this course, students will have the opportunity to apply instruction through development of and participation in mission trips, ministry internships, or service projects.</p>	<p>Mission, Ministry, and Service Credits: 1 Grade: 12 Prerequisite: Life of Christ Duration: Semester</p>

WORLD LANGUAGES

DESCRIPTION

COURSE TITLE

<p>This first-year French class will introduce language skills in the areas of reading, writing, listening, and speaking. The course will also expand students' cultural knowledge of the French-speaking world. The main goal of this class is for students to become more comfortable with understanding and expressing themselves in French. The format of this course will include lectures, group discussions, and guided interactions in French. Students will practice French with film/video activities, web-based activities, and reading and writing assignments. Throughout the semester, students will also complete individual and group presentations. Classes will be conducted in a combination of French and English. By the second semester, students are expected to express themselves primarily in French. English will be used for more complex instructions.</p>	<p>French I Credits: 2 Grade: 9-10-11 Prerequisite: None Duration: Yearlong</p>
<p>The second-year French class will expand upon the language skills learned in French I in the areas of reading, writing, listening, and speaking. This course will also expand our cultural knowledge of Francophone Africa. The main goal of this course is for students to become more comfortable with understanding and expressing themselves in French. Areas of study will include daily interactions, for example, shopping in a marketplace. Classes will be conducted in a combination of French and English. Students are expected to express themselves primarily in French. English will be used for more complex instructions.</p>	<p>French II Credits: 2 Grade: 10-11-12 Prerequisite: French I Duration: Yearlong</p>
<p>Chinese 1 introduces students to the Chinese language by learning both Pinyin (the Chinese phonetic system in English letters) and Chinese characters. Students will learn basic words, phrases, and sentences useful in daily life through listening, speaking, reading, and writing. Students will also experience a wide range of Chinese cultural activities. Dual credit is available for this course.</p>	<p>Mandarin Chinese I Credits: 2 Grade: 9-10-11 Prerequisite: none Duration: Yearlong</p>
<p>Students will continue the study of Chinese language through listening, speaking, reading, and writing. Students will learn more basic vocabulary and sentence structures for use in essential everyday situations. Students will also experience a wide range of Chinese cultural activities. Dual credit is available for this course.</p>	<p>Mandarin Chinese II Credits: 2 Grade: 10-11-12 Prerequisite: Mandarin Chinese I Duration: Yearlong</p>

Chinese 3 is designed for students who have fulfilled the requirements of Chinese 2. Students will continue to engage in interpersonal, interpretive, and presentational communication tasks to improve the four skills of language learning. Students will gain understanding of basic aspects of Chinese culture such as festival food and important places in China. Dual credit is available for this course.	Mandarin Chinese III Credits: 2 Grade: 11-12 Prerequisite: Mandarin Chinese II Duration: Yearlong
Chinese 4 is designed for students who have fulfilled the requirements of Chinese 3. Students will continue to engage in interpersonal, interpretive, and presentational communication tasks to improve fluency in speaking, reading, and writing. Communication skills are refined with emphasis on sentence structures with higher level of syntax complexity. Students read and discuss social issues and cultural features such as pollution, the generation gap, and medicine. Students will also write paragraphs concerning social issues using culturally appropriate vocabulary and structures. Dual credit is available for this course.	Mandarin Chinese IV Credits: 2 Grade: 12 Prerequisite: Mandarin Chinese III Duration: Yearlong
This course introduces the student to basic vocabulary and culture, through reading, writing, listening, and speaking. Present tense, past tense and commands are studied. Students are introduced to the rich culture and heritage of the Hispanic and Latino worlds.	Spanish I Credits: 2 Grade: 9-10-11 Prerequisite: none Duration: Yearlong
This course is a review of previously studied vocabulary and grammatical structures (present and past tenses, commands, etc.) learned in Spanish 1. Students learn additional vocabulary, grammatical structures, and verb tenses, and work toward accuracy and fluency. Emphasis is placed on understanding and producing spoken and written work. The culture and customs of Spanish-speaking people are woven into the fabric of the course. This course may be taken through Concordia's Dual Credit Program for 3 hours of college credit. This course is graded on a 5-point scale.	Spanish II Credits: 2 Grade: 9-10-11-12 Prerequisite: Spanish I or Placement Test Duration: Yearlong
This is an intermediate course that polishes reading, writing, listening and speaking skills. More attention is placed on fine details than was in the previous courses. Advanced tenses and moods have more emphasis than the basic ones. Students will present projects that challenge and encourage them to use Spanish in original and creative ways. The culture and everyday customs of Spanish-speaking people are woven into the fabric of the course. Through Concordia's Dual Credit Program, this course may be taken for 3 hours of college credit. This course is graded on a 5-point scale.	Spanish III Credits: 2 Grade: 10-11-12 Prerequisite: Spanish II Duration: Yearlong

<p>This is a course involved with mastering the finer points of Spanish grammar. More in-depth reading of short stories and novels is emphasized. Significantly more time is spent in oral conversation and in understanding native speakers. Students will present projects that challenge and encourage them to use Spanish in original and creative ways. The culture and everyday customs of Spanish-speaking people are woven into the fabric of the course. Through Concordia's Dual Credit Program, this course may be taken for 3 hours of college credit. This course is graded on a 5-point scale.</p>	<p>Spanish IV Credits: 2 Grade: 11-12 Prerequisite: Spanish III Duration: Yearlong</p>
<p>Students will strengthen their speaking and listening skills by discussing stories, movies, songs, articles, realia, video clips, websites, current events, and other media. Students will gain a better understanding of the diverse cultures that comprise the Spanish-speaking world at the same time.</p>	<p>Spanish Comm and Culture Credits: 2 Grade: 11-12 Prerequisite: Spanish III Duration: Yearlong</p>
<p>This first-year communicative course is designed specifically for heritage students who have developed some degree of Spanish language proficiency in a non-academic setting. Students' unique heritages and cultures are celebrated as this course recognizes the value of existing Spanish language skills and builds on previous knowledge. Speaking and reading skills are emphasized and listening comprehension and writing skills are addressed. Students will expand their vocabulary, improve orthography, and develop a deeper understanding of Spanish grammar structures. Some non-linguistic areas of study include Latin American and Spanish history, personal identity, culture, film, and literature. <i>Prerequisites: This course is available to students who can understand spoken Spanish.</i></p>	<p>Spanish Heritage Learners I Credits: 2 Grade: 9-10-11 Prerequisite: Placement Test Duration: Yearlong</p>
<p>This second-year communicative course is designed specifically for heritage students who have developed some degree of Spanish language proficiency in a non-academic setting and are comfortable conversing in Spanish with peers. Students will learn to bridge the gap between conversational competency and formal proficiency. Reading and writing skills are emphasized and listening comprehension and speaking skills are addressed in order to develop formal registries of Spanish. Students will expand their vocabulary and improve orthography and grammar. Some non-linguistic areas of study include Latin American and Spanish geography, social issues, cultural practices, and literature.</p>	<p>Spanish Heritage Learners 2 Credits: 2 Grade: 10-11-12 Prerequisite: Heritage 1 or Teacher Approval Duration: Yearlong</p>