

MARTIN LUTHER High School

Course Catalog
2019-2020



www.martinlutherhs.org

MARTIN LUTHER HIGH SCHOOL
2019-2020 COURSE CATALOG

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**Department Head*

ACADEMIC PROGRAM

The Triune God - The Father as Creator, The Son as Redeemer, and the Holy Spirit as Enabler - is the focus of the curriculum of 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 year.

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.

INTRODUCTION

The Martin Luther Course Catalog describes courses to be offered during the 2019-2020 school year.

Course program planning is a joint task among students, parents, and school personnel. The 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 is interviewed each year to review academic progress, standardized test results, interests, and future educational and career plans in order to make wise course selections. 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.

GRADING SCALE

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

<u>Percentage</u>	<u>Letter Grade</u>	<u>GPA</u>	<u>AP-GPA</u>
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 <i>(with effort)</i>	E	0.00	0.00
Below 60	F	0.00	0.00
Audit	AU	0.00	0.00

GPA

Only semester grades count toward a student's Grade Point Average (GPA). Semester 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.

ACADEMIC RECOGNITION

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

GRADUATION REQUIREMENTS

ML GRADUATION REQUIREMENTS

48 Credits

(1 credit = 1 semester of work)

Theology	8 credits
English	8 credits
Math	6 credits
Science	6 credits
Social Studies	6 credits
Physical Education	4 credits
Electives	10 credits

MINIMUM CREDITS REQUIRED

<u>FRESHMAN</u> 14 CREDITS		<u>JUNIOR</u> 14 CREDITS	
THEOLOGY	2	THEOLOGY	2
ENGLISH	2	ENGLISH	2
MATH	2	MATH	2
SCIENCE	2	SCIENCE	2
P.E.	1-2	SOCIAL STUDIES	1-2
SOCIAL STUDIES	2	P.E.	1-2
ELECTIVES	2-3	ELECTIVES	4-5
<u>SOPHOMORE</u> 14 CREDITS		<u>SENIOR</u> 12-14 CREDITS	
THEOLOGY	2	THEOLOGY	2
ENGLISH	2	ENGLISH	2
*MATH	2	*MATH	2
*SCIENCE	2	*SCIENCE	2
SOCIAL STUDIES	2	*SOCIAL STUDIES	1-2
P.E.	1-2	*P.E.	1-2
ELECTIVES	4-5	ELECTIVES	2-10

**Required if either graduation or college requirements have not been completed in prior grades.*

All coursework must be complete prior to spring graduation. Early graduation is not a practice of Martin Luther High School.

CREDIT LOAD

Students are required to be enrolled in a minimum of 14 credits per year. (7 credits each semester).

COURSE AUDIT

Students may retake a class for a better grade if they received a D in the class. In that case they would not receive another credit, but the higher grade would appear on the transcript and would be 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.

An E grade is given when a student's percentage is below 60% but sufficient effort was shown to warrant receiving credit in the class.

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. Martin Luther does offer the opportunity to take classes online through Brigham Young University. 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 interested in enrolling in an online class for credit recovery or graduation requirements must speak with their school counselor and complete the appropriate paperwork for approval before enrolling in the class. Online course approval paperwork can be found on the Martin Luther website or in the Office of Student Services.

SERVICE GRADUATION REQUIREMENT

Upon graduation, each student will be expected to have completed 60 total hours of volunteer service (or for transfer students, 15 hours per year for each year s/he has attended Martin Luther High School). Volunteer hours can be completed at school approved non-profit organizations, events, and other opportunities provided through our school.

COLLEGE CREDITS EARNED AT MARTIN LUTHER

ADVANCED PLACEMENT (AP) COURSES

AP Courses give high school students the chance to earn college credit during their high school years. Students should be aware of the pre-requisites for these courses as they plan their four years at Martin Luther High School.

Martin Luther High School currently offers **thirteen** 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 or 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 \$93 per subject. Cost is subject to change according to national regulations.*

AP Studio Art	Prerequisite: Art Dept. courses that relate to student's chosen subject.
AP Computer Science	Prerequisite: Algebra
AP Music Theory	Prerequisite: Department Approval (Band or Choir Director)
AP English Literature	Prerequisite: Department Approval
AP English Language	Prerequisite: Department Approval
AP Statistics	Prerequisite: Advanced Algebra & Trigonometry—Department Approval
AP Calculus	Prerequisite: Geometry, Advanced Algebra & Trigonometry & Pre-Cal
AP Biology	Prerequisite: Biology and Chemistry
AP Chemistry	Prerequisite: Completion of Chemistry with a B or higher
AP Physics	Prerequisite: Physics and Advanced Algebra & Trigonometry
AP Psychology	Prerequisite: 3.0 GPA in Social Studies classes—Department Approval
AP US History	Prerequisite: Department Approval
AP World History	Prerequisite: Department Approval

DUAL CREDIT COURSES

Martin Luther High School in partnership with Concordia University-Nebraska (CUNE) offers several dual credit courses. The 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. We have found that these 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.

Martin Luther Dual Credit Courses:

Spanish 3	=	CUNE Spanish 101: Beginning Spanish I	(3 credits)
Spanish 4	=	CUNE Spanish 102: Beginning Spanish II	(3 credits)
AP US History	=	CUNE Hist 115: American Civilization	(3 credits)
AP Physics	=	CUNE Phy 110: Principals of Physics	(4 credits)

MARTIN LUTHER STEM STATEMENT

SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS

Martin Luther High School has traditionally provided students with a strong foundation of knowledge in the areas of science, technology, engineering, and mathematics (STEM). We believe that STEM is more than a curriculum or set of courses. Rather, we see it as a philosophy of education where science, technology, engineering and mathematics become focal points of the entire educational experience across the curriculum. STEM education provides needed skills in all areas of education no matter the student's interests. It is similar to how we seek to integrate faith into all of our courses and activities at our school as opposed to simply offering Religion courses.

STEM, 21st Century Learning Skills, and Project-Based Learning are all closely related. They promote critical thinking and problem solving, communication and collaboration, information literacy, creativity, and innovation. Our strong Science and Math Department curricula coupled with our computer science and technology offerings will lead the way in helping students in STEM preparation, but students can acquire and use these skills across the entire curriculum. Creative engagement in music, visual arts, graphic design, as well as in other core subject areas like English and Social Studies complement and benefit STEM education.

Students with a strong interest in STEM studies and careers should take a minimum of:

- 4 YEARS OF SCIENCE
- 4 YEARS OF MATH
- 2 YEARS OF COMPUTER SCIENCE

Taking the most challenging courses in these areas (**AP Calculus, AP Chemistry, AP Physics, AP Biology, AP Computer Science Principles, AP Statistics**) will better prepare students for university work in STEM fields. Students may also enhance their STEM skill level by participating in Robotics Club, the Math & Science Bowl Team, or as part of the Art Department's VAC Team.

COLLEGE ENTRY REQUIREMENTS

Completion of the requirements for graduation from Martin Luther High School does not necessarily fulfill the requirements for admission to all post-secondary programs. The following information is to be used as a guideline and may change. Current information is available through the Office of Students Services.

UNIVERSITY OF WISCONSIN System Admission Requirements

<i>English</i>	<i>8 semesters</i>	<i>Social Sciences</i>	<i>6 semesters</i>
<i>Math (Algebra and higher)</i>	<i>6 semesters</i>	<i>Elective Credits</i>	<i>4 semesters</i>
<i>Science</i>	<i>6 semesters</i>	<i>Elective credits must be from the core college preparatory areas.</i>	

Information about requirements at specific UW schools is available at uwhelp.wisconsin.edu. Both UW-Madison and UW-Eau Claire require 3 years of a single world language to be admitted. UW-Milwaukee and UW-Platteville require 2 years of world language before graduation.

PRIVATE SCHOOLS

Admission to private colleges or universities in Wisconsin and the Midwest generally requires academic preparation comparable to UW schools. However, student records are evaluated on a more individual basis, taking into account ACT scores and letters of recommendation. Check with the Office of Student Services for individual school requirements or check online at wisconsinmentor.org.

TECHNICAL COLLEGE ADMISSION

Technical colleges have open admission policies. Some programs have waiting lists so students should apply early (September of their senior year at the latest) if they are interested in one of the waiting list programs. Technical schools expect a comprehensive high school curriculum to ensure success.

MATH & SCIENCE COURSE PLANNING GUIDELINES

MATH

FRESHMEN	SOPHOMORE	JUNIOR	SENIOR
Algebra	Geometry	IAG	Advanced Algebra/Trig
Honors Algebra	Honors Geometry	Advanced Algebra/Trig	Pre-Calculus and/or AP Statistics
Honors Algebra	Honors Geometry AND Advanced Algebra/Trig	Pre-Calculus	AP Calculus
Honors Geometry	Advanced Algebra/Trig	Pre-Calculus and/or AP Statistics	AP Calculus and/or AP Statistics

This chart is an overview of the progression of MATH courses. Placement in math classes requires department approval.

FRESHMAN ACCELERATED PLACEMENT— Students that have taken the equivalent of a high school Algebra course in their grade school studies may be eligible to be placed into advanced standing and be exempt from taking our Honors Algebra course. The expected sequence of courses for students that qualify for and elect to be placed in advanced standing is: Honors Geometry, Advanced Algebra/Trigonometry, Pre-Calculus and Advanced Placement Calculus.

SCIENCE

	FRESHMEN	SOPHOMORE	JUNIOR	SENIOR
TECHNICAL OR TRADES	Physical Science	Biology	Earth Science, Astronomy and/or Design & Technology	Earth Science, Astronomy and/or Design & Technology
COLLEGE PREP	Physical Science	Biology	Chemistry	Physics
ENGINEERING OR PHYSICS	Physical Science	Biology	Physics	AP Physics
MEDICAL OR BIOLOGY	Physical Science	Biology	Chemistry	AP Biology AP Chemistry Human Anatomy
ACCELERATED PLACEMENT	Biology	Chemistry	Physics Human Anatomy AP Biology AP Chemistry	AP Physics AP Biology Human Anatomy AP Chemistry

This chart is an overview of the progression of SCIENCE courses. Placement in science classes requires department approval.

FRESHMAN ACCELERATED PLACEMENT— Students who test out of Physical Science are expected to take a minimum of three years of science (biology, chemistry, and physics), and most should take four. Taking AP Biology as a Junior or taking AP Biology, AP Chemistry, and/or AP Physics are benefits of testing out of Physical Science.

2019-2020

**MARTIN LUTHER HIGH SCHOOL
CURRICULUM
GUIDE**

ART

COURSE	GRADE	CREDITS	
INTRODUCTION TO ART 2D	9-10-11-12	1.0	
INTRODUCTION TO ART 3D	9-10-11-12	1.0	
DRAWING & PAINTING	10-11-12	2.0	<i>Prerequisite: Intro to Art 2D</i>
ADVANCED DRAWING	11-12	1.0	<i>Prerequisite: Drawing & Painting</i>
ADVANCED PAINTING	11-12	1.0	<i>Prerequisite: Drawing & Painting</i>
CERAMICS 1	10-11-12	1.0	<i>Prerequisite: Intro to Art 3D</i>
CERAMICS 2	10-11-12	1.0	<i>Prerequisite: Ceramics 1</i>
SCULPTURE	10-11-12	1.0	<i>Prerequisite: Intro to Art 3D</i>
DIGITAL PHOTOGRAPHY 1	10-11-12	1.0	<i>Must have a digital camera</i>
DIGITAL PHOTOGRAPHY 2	10-11-12	1.0	<i>Digital Photography 1</i>
GRAPHIC DESIGN 1	10-11-12	1.0	<i>Prerequisite: Digital Photography</i>
GRAPHIC DESIGN 2	11-12	1.0	<i>Prerequisite: Graphic Design 1</i>
ML GRAPHICS	11-12	1.0	<i>Prerequisite: Graphic Design 2</i>
YEARBOOK	10-12	2.0	<i>May be taken multiple years (credit in English or Art received for only one year, additional years count as elective credits)</i>
AP STUDIO ART	12	2.0	<i>Prerequisite: All courses in the art department that relate to student's chosen subject. Department Approval</i>

INTRODUCTION TO ART 2D

9-10-11-12

This is a basic art course designed to develop creativity and skills in a variety of two dimensional media. Units covered are drawing, painting, collage, printmaking and art history. These units are taught as if the student is a beginner. Students should take this course if interested in taking *Drawing and Painting* in the future.

Course Fee: \$26.00

INTRODUCTION TO ART 3D

9-10-11-12

This is a basic course designed to develop creativity and develop skills in a variety of three dimensional media. Units covered are ceramics, sculpture, metals and art history. These units are taught as if the student is a beginner. Students should take this course if interested in taking *Ceramics* or *Sculpture* in the future.

Course Fee: \$25.00

DRAWING & PAINTING

10-11-12

This course will continue the basic skills of drawing and painting acquired in the Introduction to Art course. Media includes pastel charcoal, pen and ink, scratchboard, colored pencil, and acrylics. Personal expression will be emphasized. *Course Fee: \$42.00*

ADVANCED DRAWING

11-12

This course will give the student an opportunity to further express ideas and continue to develop drawing skills in various media. Creativity is emphasized. *Course Fee: \$6.00*

ADVANCED PAINTING

11-12

The student will learn the techniques of oil painting while continuing to explore creativity and personal expression. *Course Fee: \$34.00*

ART

CERAMICS 1

10-11-12

This course teaches students hand-built pottery techniques and wheel throwing. Low fire and high fire glazing methods are also studied. *Course Fee: \$22.00*

CERAMICS 2

9-10-11-12

This class will continue the skills learned in Ceramics 1 with a greater emphasis on creativity and working on the wheel. *Course Fee: \$22.00*

SCULPTURE

10-11-12

Students explore the use of materials such as clay, plaster, plastic, wood, and wire to produce both real and abstract compositions. *Course Fee: \$23.00*

DIGITAL PHOTOGRAPHY 1

10-11-12

In this course students will learn to capture images with a digital camera and develop compositional skills with a "photographic eye." Editing techniques using Adobe Photoshop will be used to enhance and creatively manipulate the photographs taken both in and outside of school. *Students must have a digital camera. *Course Fee: \$20.00*

DIGITAL PHOTOGRAPHY 2

10-11-12

Students will continue in the development of taking photographs utilizing good composition. Students will further explore editing techniques and abilities with Adobe Photoshop. *Course Fee: \$20.00*

GRAPHIC DESIGN 1

10-11-12

This course studies the process of developing and creating info graphics primarily utilizing Adobe Illustrator. During the course of the semester students will learn how to digitize drawings from pencil and paper as well as create original digital designs for logos, posters, icons, and the like. *Course Fee: \$20.00*

GRAPHIC DESIGN 2

11-12

This course will continue the study of developing and creating info graphics utilizing Adobe InDesign. During the course the students will study practical applications for graphic design in the development of business graphics, package design, posters, menus, etc. *Course Fee: \$20.00*

ML GRAPHICS

11-12

Students enrolled in ML Graphics will work with faculty, staff, and community as a graphic design artist to meet the needs and demands of the customer. Students will utilize previous knowledge of Adobe Photoshop, Illustrator, and InDesign. *Course Fee: \$20.00*

YEARBOOK

10-11-12

Students interested in design, photography, or writing are encouraged to take this class to compile and record the school's history for the year. Students will learn how design, photography, and writing work together for a variety of purposes, from creating a historical record to utilization as an outreach and marketing tool. Students will work as designers, photographers, and journalists; instruction in their chosen track will be given throughout the course. This full-year course may be taken for English (writing) or Art (photography or design) as an elective credit and is intended for sophomore through senior students.

ADVANCED PLACEMENT STUDIO ART

12

This is a portfolio course designed for the highly motivated student who wants to explore individual ideas while earning college credit. AP credits can be earned in Drawing, Painting, Photography, Ceramics, or Sculpture. The student's portfolio will encompass 3 different categories: Quality, Concentration, and Breadth. There is a fee for the AP Studio Art Exam. *Course Fee: \$50.00*

BUSINESS & TECHNOLOGY

COURSE	GRADE	CREDITS	
BUSINESS:			
ACCOUNTING	10-11-12	1.0	
MARKETING & MANAGEMENT	11-12	1.0	
PERSONAL FINANCE	10-11-12	1.0	<i>(Cross-referenced with Family/Consumer Living)</i>
TECHNOLOGY:			
COMPUTER APPLICATIONS	9-10-11-12	1.0	
PRINCIPLES OF STEAM	9-10-11-12	1.0	<i>Prerequisite: A or B in Computer Applications</i>
AP COMPUTER SCIENCE PRINCIPLES	11-12	2.0	<i>Prerequisite: Algebra, Principles of STEAM</i>

BUSINESS

ACCOUNTING

10-11-12

This course introduces the double-entry accounting system. It covers transaction recording and financial statement preparation for single proprietorships and partnerships. The focus is on service and merchandising businesses. Accounting is recommended for all students interested in post-secondary business programs.

MARKETING AND MANAGEMENT

11-12

This course focuses on the basics of setting up a company. Business ownership, production, entrepreneurship, human resources, advertising, and management functions are all covered.

PERSONAL FINANCE

10-11-12

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 "Financial Peace" school curriculum. Personal Finance is cross-referenced with the Family and Consumer Living Department.

TECHNOLOGY

COMPUTER APPLICATIONS

9-10-11-12

This course provides technological communication skills in word processing beginning with proper keyboarding techniques for personal, educational, or career use. Students learn keyboarding, spreadsheet, presentation, and word processing skills including symbol-key operation, numeric keypad operation, and document formatting.

PRINCIPLES OF STEAM

9-10-11-12

In this semester course students will learn problem solving skills and the basic concepts of programming and computer science skills. Students will be exposed to basic level programming, robotics, 3D printing and design, and CAD design.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

11-12

This course is an Advanced Placement course that will prepare students to take the AP Computer Science Principles test. Topics will focus on problem-solving through concepts of computer science. Students should have a good understanding of math. There is a fee for the AP Computer Science Principles exam.

ENGLISH

COURSE	GRADE	CREDITS	
COMPREHENSIVE ENGLISH	9	2.0	<i>Department Placement</i>
LITERATURE & WRITING	9-10	2.0	<i>Required</i>
AMERICAN LITERATURE	10-11	2.0	<i>Required Prerequisite: Literature & Writing</i>
RESEARCH AND PRESENTATION	11-12	1.0	<i>Required Prerequisite: American Literature</i>
A NOVEL APPROACH TO WRITING	11-12	1.0	
CREATIVE WRITING	11-12	1.0	
FACT VERSUS FICTION	11-12	1.0	
HISTORY OF DRAMA	11-12	1.0	
MODERN LITERATURE	11-12	1.0	
SPEECH	11-12	1.0	
WORLD LITERATURE	11-12	1.0	
WRITING FOR PUBLICATION	11-12	1.0	<i>Department Approval</i>
YEARBOOK	10-12	2.0	<i>May be taken multiple years (credit in English or Art received for only one year, additional years count as elective credits)</i>
AP ENGLISH LANGUAGE AND COMPOSITION	11-12	1.0	<i>Department Approval Advanced Placement Course</i>
AP ENGLISH LITERATURE AND COMPOSITION	12	2.0	<i>Department Approval Advanced Placement Course</i>

Placement into Comprehensive English and Literature & Writing for incoming freshmen is based on standardized grade school test scores AND recommendations of the student's elementary school. Final placement in all English classes requires English Department approval.

COMPREHENSIVE ENGLISH

9

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. The skills that are developed in this year-long course are emphasized through Martin Luther High School's four year English/Language Arts curriculum.

LITERATURE AND WRITING

9-10

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 form. Students will study short stories, poetry, drama, and the novel, with an emphasis on developing literary analysis. The memorization of vocabulary and literary terms is also required.

ENGLISH

AMERICAN LITERATURE

10-11

This required course is designed to enable students to see the growth of American ideas and people through a variety of written forms from the European colonists to 20th Century realists. This class focuses on the development of literature through Rationalism, Romanticism, Transcendentalism, Regionalism, and Post-Modernism. Literary analysis and interpretation, and literary terminology will be emphasized. While reading selections such as essays, poetry, short stories, novels, and a drama, from 1620 to the present, students will be engaged in critical analysis, classroom discussion, and writing.

A NOVEL APPROACH TO WRITING

11-12

With the intention of improving every student's ability to write specifically, efficiently, and coherently, those who take this class will write a series of thesis-driven essays based on the reading of novels chosen by the students themselves. Each essay will focus on a particular writing skill (i.e. compare and contrast, cause and effect, explaining with examples). Students will be provided both verbal and written feedback with the opportunity of revising their work multiple times before a final grade is given.

CREATIVE WRITING

11-12

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.

FACT VERSUS FICTION

11-12

This course will take a look at a variety of timely themes (war, rite of passage, politics, and social acceptance, to name a few) and analyze the perceptions that are given to young people today through several different mediums. Predominantly, the class will view Hollywood movies and read current news articles and short non-fiction essays to provide an overview of the chosen themes. Students will be required to discuss the current and prevailing attitudes, and 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.

HISTORY OF DRAMA

11-12

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 *Macbeth* and *Oedipus the King*. In order to appreciate drama in its true form, attendance at a theater production is required.

MODERN LITERATURE

11-12

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 the literature in a variety of ways and express their analysis through writing papers, participating in roundtable discussion, and group presentations. Identifying and exploring the elements that make a modern work great will lead us to perhaps

RESEARCH AND PRESENTATION

11-12

Students will take this semester-long required class directly following one's year-long study of American Literature. This course will focus on two experiences; the writing of a research-based career paper and the presentation of a persuasive speech. In the writing of the Career Paper, students will work on research skills as well as proper documentation of sources used. Students will then practice the art of writing college admission essays and basic ACT prep skills in order to help prepare the path to reaching the career goals they envision for themselves. Students will also focus on presentation skills as they prepare for a persuasive speech. Research, organizing of ideas, rehearsal, and performance will be the key elements of this portion of the class.

ENGLISH

SPEECH

11-12

As the importance of effectively communicating with people increases in our society, so too is the need for effective public speakers. This course introduces students to the theory and practice of public speaking, focusing on both speaking and listening skills. Believing that experience is the key to success, each student will have the opportunity to work on preparing, developing and delivering at least 10 presentations during the semester.

WORLD LITERATURE

11-12

Suggested for college-bound students, this course discusses poems, essays, and short stories in depth, from the ancient Sumerian and Greek civilizations to modern writers. Such classics as Dante's *Inferno* and Homer's *Iliad* are read and analyzed. Composition and vocabulary building are also emphasized through the completion of a paper about a major author of World Literature.

WRITING FOR PUBLICATION

11-12

Writing for Publication is designed to provide students with the opportunity to explore a variety of media outlets and formats while learning about and participating in the main elements and processes involved in producing a newspaper and yearbook. In addition to these print pieces, students will be involved with the school's social media presence, will interact with a range of presenters in the journalism field, and will work on a piece for the print publication of the Lutheran High School Association of Greater Milwaukee. An overview of the role of media in daily life, the way media has changed, the power of citizen journalists as well as the ethics of journalism will be explored. Teamwork and self-motivation are key to the successful completion of this course and team building activities will be included in the course information.

YEARBOOK

10-11-12

Students interested in design, photography, or writing are encouraged to take this class to compile and record the school's history for the year. Students will learn how design, photography, and writing work together for a variety of purposes, from creating a historical record to utilization as an outreach and marketing tool. Students will work as designers, photographers, and journalists; instruction in their chosen track will be given throughout the course. This full-year course may be taken for English (writing) or Art (photography or design) as an elective credit and is intended for sophomore through senior students.

ADVANCED PLACEMENT: ENGLISH LANGUAGE AND COMPOSITION

11-12

In this one semester course, offered in the spring in preparation for the AP Language and Composition exam, the focus is primarily on analysis of nonfiction texts. Students will identify and analyze the use of rhetorical devices and persuasive strategies and how these are influenced by the speaker, purpose, audience, and occasion of the text. Students will also write for a variety of occasions and purposes, especially persuasion, analysis, and synthesis. There is a fee for the AP exam.

ADVANCED PLACEMENT: ENGLISH LITERATURE AND COMPOSITION

12

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.

FAMILY & CONSUMER EDUCATION

COURSE	YEAR	CREDITS	
SEWING 1	9-10-11-12	1.0	
SEWING 2	9-10-11-12	1.0	<i>Prerequisite: Sewing 1</i>
SEWING 3	10-11-12	1.0	<i>Prerequisite: Sewing 2</i>
SEWING INDEPENDENT STUDY	11-12	1.0	<i>Prerequisite: Sewing 3</i>
FOODS 1	9-10-11-12	1.0	
FOODS 2	10-11-12	1.0	<i>Prerequisite: Foods 1</i>
FOODS 3	10-11-12	1.0	<i>Prerequisite: Foods 2</i>
CULINARY CAREERS	11-12	1.0	<i>Prerequisite: "C" or better in Foods 1 and 2</i>
CHILD DEVELOPMENT 1	10-11-12	1.0	
CHILD DEVELOPMENT 2	11-12	1.0	<i>Prerequisite: Child Development 1</i>
PERSONAL FINANCE	10-11-12	1.0	<i>(Cross-referenced with Business & Technology)</i>

SEWING 1

9-10-11-12

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. All equipment and materials are purchased by the student.

SEWING 2

9-10-11-12

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. All equipment and materials are purchased by the student.

SEWING 3

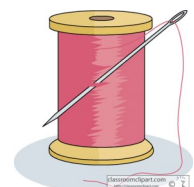
10-11-12

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. All equipment and materials are purchased by the student.

SEWING INDEPENDENT STUDY

11-12

This class is designed to give the highly motivated clothing students an opportunity to continue study in clothing. 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. All equipment and materials are purchased by the student.



FAMILY & CONSUMER EDUCATION

FOODS 1

9-10-11-12

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

FOODS 2

10-11-12

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 heavily emphasize the relationship of diet to health and sustainability for a global society. *Course Fee: \$60.00*

FOODS 3

10-11-12

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

CULINARY CAREERS

11-12

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*

CHILD DEVELOPMENT 1

10-11-12

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 and will also be introduced to the "Empathy Belly." There will be several other hands-on activities throughout the semester.

CHILD DEVELOPMENT 2

11-12

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.

PERSONAL FINANCE

10-11-12

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 "Financial Peace" school curriculum. Personal Finance is cross-referenced with the Business Department.

INDUSTRIAL ARTS

COURSE	GRADE	CREDITS	
WOODS 1	9-10-11-12	1.0	<i>Prerequisite: Knowledge of fractions and tape measure</i>
WOODS 2	9-10-11-12	1.0	<i>Prerequisite: Woods 1</i>
ADVANCED WOODS	10-11-12	1.0	<i>Prerequisite: Woods 2</i>
POWER TECHNOLOGIES 1	9-10-11-12	1.0	
POWER TECHNOLOGIES 2	9-10-11-12	1.0	

WOODS 1

9-10-11-12

This semester course is designed to teach the student life-skills in the use of hand tools and power equipment. Through the construction of various projects, the students will also learn basic safety practices, joint construction, measuring and reading diagrams. A working knowledge of measurements is helpful. A textbook will be used throughout the course. *Course Fee: \$65*

WOODS 2

9-10-11-12

This semester 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: \$100*

ADVANCED WOODS

10-11-12

Students will build two or three projects of their choice (subject to instructor approval). The students will incorporate all the skills and knowledge of prior classes to design, plan, build and finish the projects. This course is exclusively all hands on. *Course Fee: \$100*

POWER TECHNOLOGIES 1

9-10-11-12

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*

POWER TECHNOLOGIES 2

9-10-11-12

This semester course will introduce three types of welding (gas metal arc welding, gas tungsten arc welding, and shielded metal arc welding). Students will also learn about automobile electronics such as basic schematic reading and wiring basic systems. *Course Fee: \$50*

MATHEMATICS

COURSE	YEAR	CREDITS	
ALGEBRA LAB	9	1.0-2.0	<i>Department Placement</i>
ALGEBRA	9-10-11-12	2.0	<i>Department Placement</i>
HONORS ALGEBRA	9-10-11-12	2.0	<i>Department Placement</i>
GEOMETRY	9-10-11-12	2.0	<i>Prerequisite: Algebra</i>
HONORS GEOMETRY	9-10-11-12	2.0	<i>Prerequisite: Algebra</i>
INTRODUCTION TO STATISTICS	10-11-12	1.0	<i>Prerequisite: Geometry</i>
DISCRETE MATH	10-11-12	1.0	<i>Prerequisite: Geometry</i>
INTERMEDIATE ALGEBRA/GEOMETRY	11-12	2.0	<i>Prerequisite: Geometry</i>
ADVANCED ALGEBRA & TRIGONOMETRY	10-11-12	2.0	<i>Prerequisite: Geometry</i>
PRE-CALCULUS	11-12	2.0	<i>Prerequisite: Advanced Algebra/Trigonometry Honors Course</i>
AP CALCULUS AB	11-12	2.0	<i>Prerequisite: Pre-Calculus grade B or better Advanced Placement Course Department Approval</i>
AP CALCULUS BC	11-12	2.0	<i>Prerequisite: Pre-Calculus grade B or better Advanced Placement Course Department Approval</i>
AP STATISTICS	11-12	2.0	<i>Prerequisite: Advanced Algebra/Trigonometry Advanced Placement Course</i>

Placement into Algebra Lab, Algebra and Honors Algebra for incoming freshmen is based on standardized grade school test scores AND recommendations of the student's elementary school. Final placement in all Math classes requires Math Department approval.

ALGEBRA LAB

9

This is a course designed to provide instruction in the basic operations of arithmetic. Students will perform many repetitions of these operations in order to achieve skill mastery. Application and problem solving skills utilizing the basic operations of arithmetic are developed as well. Placement into this course for incoming freshmen is based on standardized test scores and the student's elementary school recommendation.

ALGEBRA

9-10-11-12

This course is designed for students that 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 the logical thinking skills. Students successfully completing this course should plan on taking Geometry the following year and Intermediate Algebra/Geometry the year after that. **Students need a graphing calculator—Model TI-84**

HONORS ALGEBRA

9-10-11-12

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 graphing calculator—Model TI-84**

MATHEMATICS

GEOMETRY

9-10-11-12

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 graphing calculator—Model TI-84**

HONORS GEOMETRY

9-10-11-12

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. **Students need a graphing calculator—Model TI-84**

INTRODUCTION TO STATISTICS

10-11-12

This is a one-semester course designed to introduce a student to the basic concepts of statistics, including methods of gathering, displaying and interpreting data, probability patterns, and problem solving.

DISCRETE MATH

10-11-12

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**

INTERMEDIATE ALGEBRA/GEOMETRY

11-12

This is a course designed for the student who has completed Geometry, but is not ready for the rigor of Advanced Algebra/Trigonometry. Topics from Algebra and Geometry will be reviewed and extended. New topics will be explored. **Students need a graphing calculator—Model TI-84**

ADVANCED ALGEBRA & TRIGONOMETRY

10-11-12

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**

PRE-CALCULUS

11-12

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**

MATHEMATICS

ADVANCED PLACEMENT CALCULUS AB

11-12

AP Calculus is designed to assist the student in mastering the necessary calculus skills needed in order 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**

ADVANCED PLACEMENT CALCULUS BC

11-12

AP Calculus is designed to assist the student in mastering the necessary calculus skills needed in order 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**

ADVANCED PLACEMENT STATISTICS

11-12

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**

A collage of mathematical symbols and formulas. At the top left is $2 > -3$. Below it is $0.999... = 1$. In the center is a large infinity symbol ∞ . To the right of the infinity symbol are the plus $+$ and minus $-$ signs. Below the infinity symbol is $\pi \approx 3.14$. To the right of π are the multiplication \times and division \div signs. Below π is $\sqrt{2}$. To the right of $\sqrt{2}$ is 5^2 . Below $\sqrt{2}$ is $1 + 2 \cdot 3$. To the right of $1 + 2 \cdot 3$ is $(1 - 2) + 3$. Below $1 + 2 \cdot 3$ is $5(2 + 2)$. At the bottom is $101_2 = 5_{10}$.

MUSIC

COURSE	YEAR	CREDITS	
CHORUS	9-10-11-12	1.0 or 2.0	
CONCERT CHOIR	10-11-12	2.0	<i>Audition Required</i>
SPARTAN BAND	9-10-11-12	2.0	
VARSITY BAND	9-10-11-12	2.0	<i>Audition Required</i>
SYMPHONIC BAND	9-10-11-12	2.0	<i>Audition Required</i>
AP MUSIC THEORY	11-12	2.0	<i>Department Approval (Band or Choir Director)</i>

CHORUS

9-10-11-12

This is a semester elective course open to all students who like to sing and are interested in improving their singing. Voice training, ear training, note reading, and general music theory are areas of instruction. Choral literature includes both sacred and secular music. The Chorus performs at ML chapel services, annual concerts, Wisconsin School Music Association Choral Festivals, and various community events.

CONCERT CHOIR

10-11-12

This is a 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, vocal skills and techniques are developed and enhanced. The Concert Choir performs at ML chapel services, worship services of area Lutheran churches, concerts and the annual Choir Tour.

SPARTAN BAND

9-10-11-12

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, 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.

VARSITY BAND

9-10-11-12

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 school events and annual concert programs, and performs in music festivals.

SYMPHONIC BAND

9-10-11-12

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 school athletic events, performs in annual concerts, and participates in music festivals and the annual Band Tour.

AP MUSIC THEORY

11-12

AP Music Theory is designed for the mature musician who is interested in enhancing his/her 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 and to develop necessary technical skills used in analysis of music structurally and harmonically. Students will devote a significant amount of time developing the "aural skills" of sight-singing, interval and chord recognition, melodic dictation, and harmonic dictation. Music 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.

PHYSICAL EDUCATION

COURSE	GRADE	CREDITS	
FRESHMAN FITNESS/HEALTH	9	1.0	<i>Required</i>
LIFETIME ACTIVITIES	9-10-11-12	1.0	<i>Required Prerequisite: Freshman Fitness</i>
PHYSICAL EDUCATION ELECTIVES			<i>Prerequisite: Freshman Fitness</i>
TAEKWONDO/SELF DEFENSE	10-11-12	1.0	<i>Freshman Fitness, Lifetime Activities and two additional PE Electives must be taken to fulfill graduation requirements</i>
YOGA/PILATES	10-11-12	1.0	
SOFTBALL/VOLLEYBALL	10-11-12	1.0	
SOCCER/SPEEDBALL	10-11-12	1.0	
FLAG FOOTBALL/BASKETBALL	10-11-12	1.0	
RACQUET SPORTS	10-11-12	1.0	
TRACK AND FIELD/FLOOR HOCKEY	10-11-12	1.0	
ATHLETIC PERIOD	10-11-12	1.0	

FRESHMAN FITNESS/HEALTH

9

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.

LIFETIME ACTIVITIES

9-10-11-12

The course is designed to have an emphasis on indoor and outdoor activities, and for student 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

PHYSICAL EDUCATION ELECTIVES

10-11-12

Students must have completed Freshmen Fitness/Health to take PE Electives. Each PE elective course is one semester. Students must take a total of 2 PE electives during grades 10-11-12 to fulfill the requirements for Martin Luther Physical Education.

- TAEKWONDO/SELF DEFENSE**
- YOGA/PILATES**
- SOFTBALL/VOLLEYBALL**
- SOCCER/SPEEDBALL**
- FLAG FOOTBALL/BASKETBALL**
- RACQUET SPORTS**
- TRACK AND FIELD/FLOOR HOCKEY**

•**ATHLETIC PERIOD** 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 and 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.

SCIENCE

COURSE	YEAR	CREDITS	
PHYSICAL SCIENCE	9	2.0	
BIOLOGY	9-10	2.0	<i>Required Freshman Accelerated Placement Possible</i>
CHEMISTRY	10-11-12	2.0	<i>Prerequisite: Biology and Algebra B grade or better or Honors Algebra C grade or better</i>
PHYSICS	10-11-12	2.0	<i>Prerequisite: Biology & Geometry</i>
HUMAN ANATOMY	10-11-12	1.0	<i>Prerequisite: Biology</i>
COMPARATIVE ORIGINS	10-11-12	1.0	<i>Prerequisite: Biology</i>
EARTH SCIENCE 1	10-11-12	1.0	<i>Prerequisite: Biology (can be taken same year)</i>
EARTH SCIENCE 2	10-11-12	1.0	<i>Prerequisite: Biology (can be taken same year)</i>
METEROLOGY	11-12	1.0	<i>Prerequisite: Geometry</i>
ASTRONOMY	11-12	1.0	<i>Prerequisite: Biology</i>
DESIGN & TECHNOLOGY	11-12	1.0	<i>Prerequisite: Biology</i>
AP BIOLOGY	11-12	2.0	<i>Prerequisite: B or better in Biology, C or better in Chemistry Advanced Placement Course Department Approval</i>
AP CHEMISTRY	11-12	2.0	<i>Prerequisite: Completion of Chemistry with a B or better Advanced Placement Course</i>
AP PHYSICS	11-12	2.0	<i>Prerequisite: B or better in Physics & Advanced Algebra/Trig Advanced Placement Course Department Approval Dual Credit Available</i>

PHYSICAL SCIENCE

9

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 \$5.00.

BIOLOGY

9-10

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 one's self as an intricate human being. Laboratory activities aid in this understanding.

CHEMISTRY

10-11-12

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 \$5.00.

SCIENCE

PHYSICS

10-11-12

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.

HUMAN ANATOMY

10-11-12

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.

COMPARATIVE ORIGINS

10-11-12

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.

EARTH SCIENCE 1

10-11-12

The course is an introduction to earth properties and processes on, in, and above the ground. Topics covered include geology (earthquakes, volcanos, erosion, and land-shaping processes), hydrology (water on and in the earth), and atmospheric sciences (weather, climate, and the sky). 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 geologic processes, mountains, and the water cycle. The class must be taken along with or after completion of Biology.

EARTH SCIENCE 2

10-11-12

The course will resume with the role of water both on the ground and in the atmosphere, as it drives weather. Time-permitting, studies of oceanography and/or space exploration may be possible. This course is designed for any student who lives on the Earth, and is available to all sophomores, juniors, and seniors who are currently in or have already taken Biology. A small amount of math will be used in the course. Both semesters are recommended, but not required. Semester 1 should be taken prior to Semester 2, but the two may be taken in non-consecutive semesters.

ASTRONOMY

11-12

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.

DESIGN & TECHNOLOGY

11-12

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 the area of 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*

SCIENCE

ADVANCED PLACEMENT BIOLOGY

11-12

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, C or better in Chemistry. There is a fee for the AP Biology exam.

ADVANCED PLACEMENT CHEMISTRY

11-12

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.

ADVANCED PLACEMENT PHYSICS

11-12

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. There is a fee for the AP Physics exam.

SOCIAL STUDIES

COURSE	YEAR	CREDITS	
AMERICAN CULTURE	9-10	1.0	<i>For International Students</i>
MEDIA LITERACY: MARKETPLACE, POLITICS, AND BEYOND	9	1.0	<i>Department Placement</i>
GEOGRAPHY	9-10-11-12	1.0	
WORLD HISTORY	9-10	2.0	<i>Required (or A.P. World History) Freshman accelerated placement possible</i>
UNITED STATES HISTORY	10-11-12	2.0	<i>Required (or A.P. U.S. History) Prerequisite: World History</i>
CRIMINAL JUSTICE	11-12	1.0	
SOCIOLOGY	11-12	1.0	
ECONOMICS	11-12	1.0	<i>Prerequisite: World History & US History</i>
AMERICAN GOVERNMENT	11-12	1.0	<i>Prerequisite: World History</i>
HUMANITIES	11-12	1.0	
AP PSYCHOLOGY	10-11-12	2.0	<i>Prerequisite: GPA 3.0 overall or Social Studies Department Approval Advanced Placement Course</i>
AP UNITED STATES HISTORY	10-12	2.0	<i>May be taken to fulfill U.S. History requirement Dual Credit Available Advanced Placement Course</i>
AP WORLD HISTORY	9-12	2.0	<i>May be taken to fulfill World History requirement Department Approval Advanced Placement Course</i>

AMERICAN CULTURE

9-10

This course is designed to give international students a basic understanding of American culture and the culture of Martin Luther High School. Students will learn basic vocabulary related to America so they can better understand cultural references. They will also study American values. Students will learn the skills necessary for academic and social integration at Martin Luther. An emphasis will be placed on reading, listening, speaking, and writing.

MEDIA LITERACY: MARKETPLACE, POLITICS, AND BEYOND

9

The purpose of this course is to help students learn the skills necessary to evaluate information. People are presented with an overwhelming number of messages each day that often attempt to persuade them to buy a product or accept an idea. In this course students will learn the techniques that are frequently used to persuade them, and how they can see through those techniques to evaluate the person, product, or idea behind the message. An emphasis will also be placed on helping students learn the study skills necessary to become a successful high school student.

GEOGRAPHY

9-10-11-12

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.

SOCIAL STUDIES

WORLD HISTORY

9-10

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.

UNITED STATES HISTORY

10-11-12

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.

CRIMINAL JUSTICE

11-12

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.

SOCIOLOGY

11-12

This course is designed to acquaint the student with the forces of change that are shaping American life, applying the discipline of Sociology. 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 social equality, economic conditions, and social institutions.

ECONOMICS

11-12

This course is designed to introduce and engage students in analyzing and evaluating economic systems, identifying and critiquing economic issues and studying the theories and concepts of economics. Emphasis will be placed on the role economics plays in students' everyday lives as consumers, workers, and citizens.

AMERICAN GOVERNMENT

11-12

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.

SOCIAL STUDIES

HUMANITIES

11-12

This course consists of a 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.

ADVANCED PLACEMENT PSYCHOLOGY

10-11-12

The AP Psychology course introduces the students to the systematic and scientific study of human behavior and mental processes. The course will cover topics and key concepts in the areas of biological bases of behavior; sensation and perception; learning and cognition; motivation; developmental psychology; testing and individual differences; abnormal psychology; and social psychology. Within the context of these topics students will be examining the practice and application of research methods and the significant currents of psychological theory. Central to the course is applying psychology to one's daily life and how it is pursued as a profession. The students will also be engaged in assignments and activities that prepare them to successfully complete the AP Psychology exam. There is a fee for the AP Psychology exam.

ADVANCED PLACEMENT UNITED STATES HISTORY

10-11-12

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.

ADVANCED PLACEMENT WORLD HISTORY

9-12

AP World History is the study of human societies over the past 10,000 years in all the major regions of the world. An emphasis is placed on the similarities and differences between these societies and what has caused change within them over time. The course is organized around five major themes and seeks to not only provide students with an understanding of the facts of the past, but also to encourage them to develop the skills historians use to study the past. There is a fee for the AP World History exam.

THEOLOGY

COURSE	GRADE	CREDITS	
BASIC BIBLE/ILT (INTRODUCTION TO LUTHERAN THEOLOGY)	9-10-11-12	2.0	<i>Required if not placed in Old Testament (based on placement test)</i>
OLD TESTAMENT	9-10-11-12	2.0	<i>Required</i>
LIFE OF CHRIST	10-11-12	2.0	<i>Required; Prerequisite: Old Testament</i>
EPISTLES AND CHRISTIAN LIFE	11-12	1.0	<i>Prerequisite: Old Testament and Life of Christ</i>
APOLOGETICS	11-12	1.0	<i>Prerequisite: Old Testament and Life of Christ</i>
WORLD RELIGIONS	11-12	1.0	<i>Prerequisite: Old Testament and Life of Christ</i>
THE CHURCH	11-12	1.0	<i>Prerequisite: Old Testament and Life of Christ</i>
WORSHIP LIFE	11-12	1.0	<i>Prerequisite: Old Testament and Life of Christ</i>
MISSION, MINISTRY, SERVICE	12	1.0	<i>Department Approval</i>

BASIC BIBLE/INTRODUCTION TO LUTHERAN THEOLOGY

9-10-11-12

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.

OLD TESTAMENT

9-10-11-12

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.

LIFE OF CHRIST/ACTS

9-10-11-12

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**.

EPISTLES AND CHRISTIAN LIFE

11-12

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.

THEOLOGY

APOLOGETICS

11-12

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.

WORLD RELIGIONS

11-12

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.

THE CHURCH

11-12

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.

WORSHIP LIFE

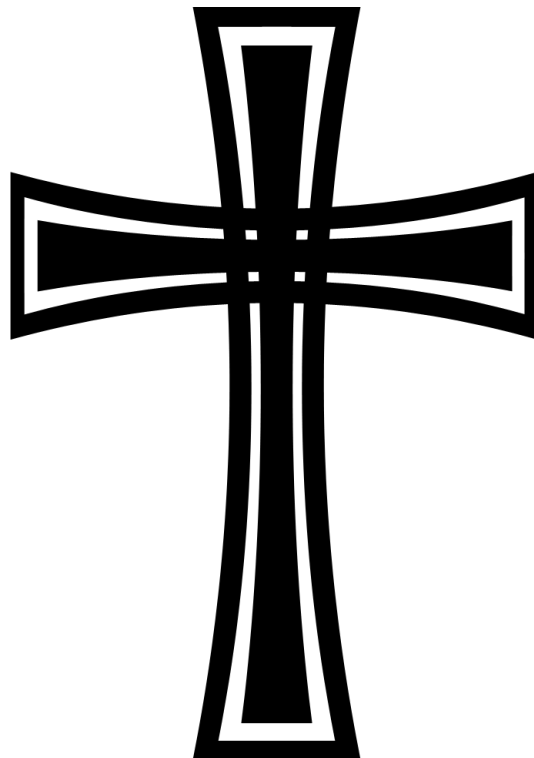
11-12

This course provides an in-depth look at the “what”, “where”, and “why” of worship in the life of a Christian and the Church.

MISSION, MINISTRY, SERVICE

12

In this course, students will have the opportunity to apply instruction through development of and participation in mission trips, ministry internships, or service projects.



WORLD LANGUAGES

COURSE	YEAR	CREDITS	
SPANISH 1	9-10-11-12	2.0	
SPANISH 2	9-10-11-12	2.0	<i>Prerequisite: Spanish 1 Accelerated Placement possible</i>
SPANISH 3	10-11-12	2.0	<i>Honors Course Prerequisite: Spanish 2 Dual Credit Available</i>
SPANISH 4	11-12	2.0	<i>Honors Course Prerequisite: Spanish 3 Dual Credit Available</i>
SPANISH COMMUNICATIONS & CULTURE	10-11-12	2.0	<i>Prerequisite: Spanish 3 Accelerated Placement possible</i>

SPANISH 1

9-10-11-12

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 2

9-10-11-12

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.

SPANISH 3

10-11-12

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 do 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 4

11-12

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.

SPANISH COMMUNICATION & CULTURE

10-11-12

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.

WORLD LANGUAGES

COURSE	YEAR	CREDITS	
MANDARIN CHINESE 1	9-10-11-12	2.0	
MANDARIN CHINESE 2	10-11-12	2.0	<i>Prerequisite: Mandarin Chinese 1</i>
MANDARIN CHINESE 3	11-12	2.0	<i>Prerequisite: Mandarin Chinese 2</i>
MANDARIN CHINESE 4	12	2.0	<i>Prerequisite: Mandarin Chinese 3</i>

MANDARIN CHINESE 1

9-10-11-12

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.

MANDARIN CHINESE 2

10-11-12

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.

MANDARIN CHINESE 3

11-12

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.

MANDARIN CHINESE 4

12

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.

GLOBAL STUDIES PROGRAM

Intensive English Program: ENGLISH Course Overview

The Lutheran High School Association of Greater Milwaukee’s Global Studies Program offers an Intensive English Program (IEP).

Global Studies students participate in highly structured English instruction that builds their English language skills in the following language domains: listening, speaking, reading, writing, grammar, and vocabulary throughout their academic school years. Our Global Studies Program of study focuses on building the necessary academic skills students need to be successful in U.S. high schools as well as U.S. universities. This means our international students learn to use more complex and sophisticated use of English in terms of essays, interactions, presentations, and projects. They are engaged in individual, pair, and small group instructional activities to practice, review, apply, and expand on their English skills. Core content, textbooks, adapted texts, authentic materials, technology, and student projects are incorporated throughout the IEP.

PROGRAM CURRICULUM—ENGLISH CORE

COURSE	GRADE	CREDITS	
ENGLISH SPEAKING/LISTENING Beginners	9-10	2	<i>Prerequisite: Overall score of 1 or 2 on TOEFL Jr</i>
ENGLISH SPEAKING/LISTENING Intermediate	9-10	2	<i>Prerequisite: Overall score of 3 on TOEFL Jr</i>
ENGLISH READING Beginners	9-10	2	<i>Prerequisite: Overall score of 1 or 2 on TOEFL Jr</i>
ENGLISH READING Intermediate	9-10	2	<i>Prerequisite: Overall score of 3 on TOEFL Jr</i>
ENGLISH WRITING Beginners	9-10	2	<i>Prerequisite: Overall score of 1 or 2 on TOEFL Jr</i>
ENGLISH WRITING Intermediate	9-10	2	<i>Prerequisite: Overall score of 3 on TOEFL Jr</i>
ENGLISH GRAMMAR Beginners	9-10	2	<i>Prerequisite: Overall score of 1 or 2 on TOEFL Jr</i>
ENGLISH GRAMMAR Intermediate	9-10	2	<i>Prerequisite: Overall score of 3 on TOEFL Jr</i>
ENGLISH READ THEORY	9-10-11-12	2	Required of ALL international students
ENGLISH ADVANCED	10-11-12	2	<i>Prerequisite: Overall score of 4 on TOEFL Jr</i>
ENGLISH HIGH-ADVANCED	11-12	2	<i>Prerequisite: Overall score of 5 on TOEFL Jr</i>
ENGLISH GENERAL SCIENCE & HEALTH ED	9-10	2	<i>Prerequisite: Overall score of TOEFL Jr less than 3</i>

GLOBAL STUDIES PROGRAM-ENGLISH CORE

ENGLISH: SPEAKING/LISTENING BEGINNERS

9-10

This course helps international EL students with lower English levels build their oral English communication and listening skills in a variety of social and academic settings. It stresses basic communication skills and listening strategies to improve fluency. Themes will challenge and engage students through authentic reading and listening selections. Students will practice speaking for everyday use and academic purposes. Basic grammar will be practiced in given situations to improve oral accuracy. The major verb tenses (present simple, present continuous, simple past) are introduced.

ENGLISH: SPEAKING/LISTENING INTERMEDIATE

9-10

International EL students will improve their oral English communication and listening skills in a variety of social and academic settings. Students will work on their English pronunciation and errors that are common among second language speakers. They practice individual sounds, with emphasis on rhythm, stress, intonation, articulation and vocal projection. International EL students receive feedback on their comprehensibility from native speakers outside of the classroom. They will learn how to make their speech clearer, more varied, and more native-like. International EL students enrolled in this course will develop their conversational and listening skills through role-plays, discussions, impromptu speeches, and vocabulary-building exercises. Lectures, debates, and informal/formal discussions will enable international EL students to improve their note-taking skills, listening comprehension, and critical thinking. Oral presentations will be used to develop their public speaking skills, effective body language, and pronunciation.

ENGLISH: READING BEGINNERS

9-10

This course is designed for beginning international English speaking students. It is a reading fundamental course that emphasizes the structure of English reading. It stresses reading for pleasure and academic purposes. Basic reading strategies will be introduced with a strong emphasis on vocabulary development. The major verb tenses (present simple, present continuous, simple past) are introduced.

ENGLISH: READING INTERMEDIATE

9-10

This course is designed to assist international EL students in becoming more confident and proficient English readers in high school academic texts and passages as well as university-level English. Students will explore a variety of reading genres, including newspaper and magazine articles, websites, short stories, novels, core subject high school textbooks, and other informational books. English reading skills, such as predicting, skimming, scanning, reading for details, vocabulary-building, inferencing, summarizing, and critical thinking are strongly emphasized. Lectures, discussions, and exercises will allow international EL students to share and debate their ideas about texts. International EL students will learn to effectively scan a text for key facts and important information; increase reading fluency and rate; understand the general topic or main idea, major points, important facts and details, vocabulary in context and pronoun usage; make inferences about what is implied in a passage; recognize the organization and purpose of a passage; understand relationships between ideas; organize information into a category chart or summary in order to recall major points and important details; and infer how details connect throughout a given passage.

ENGLISH: WRITING BEGINNERS

9-10

This course provides international EL students with a strong foundation in the basic necessary skills needed to develop academic writing. The writing process is strongly emphasized, with a particular focus on sentence and paragraph development.

GLOBAL STUDIES PROGRAM—ENGLISH CORE

ENGLISH: WRITING INTERMEDIATE

9-10

This course provides international EL students with the necessary skills needed for effective academic writing. The writing process is strongly emphasized, with a particular focus on paragraph and essay development. Students gain practice in writing clear, concise, well-supported, and accurate communication using summary writing, paraphrasing, quoting, and synthesis. They will develop their skills in preparing essay responses for exams and in combining information from both lectures and textbook or other informational resources. International EL students, will enhance their abilities in the art of integrated writing. Developing their writing ability will require international EL students to learn how to take good notes on what is heard or read and use these notes to organize information before writing; summarizing, paraphrasing. The course will also focus on developing independent writing skills by writing to express and support their own opinions.

ENGLISH: GRAMMAR BEGINNER

9-10

This course provides international students a strong foundation in English language grammar. Through structured exercises and interactive activities, students will improve their accuracy and fluency in speaking and writing.

ENGLISH: GRAMMAR INTERMEDIATE

9-10

This course continues to build international EL students' skills in English grammar. It uses structured exercises and interactive activities. Students will learn complex forms and structures to better help them create more sophisticated, nuanced, and effective written and oral communication. They will have opportunities to practice their editing skills in order to write more like a native speaker of English.

ENGLISH: READ THEORY

REQUIRED OF ALL INTERNATIONAL STUDENTS

9-10-11-12

This is a mandated course for ALL international EL students. The course is a powerful reading class that offers English reading passage practice that adapts to students' individual reading ability levels and presents them with thousands of skill building exercises that suit their individualized needs regardless of their English reading levels. The quizzes span the full range of reading levels, beginning with early English reading and ending with the most demanding college-level reading passages. It effectively improves reading, and prepares students for the TOEFL, TOEFL Jr, SAT, and ACT tests. International EL students are expected to work with an assigned ESL teacher, and the course is considered to be a 9th hour course. Students must do at least one main reading passage per day 5 days a week with a passing score of 80% to receive credit.

ADVANCED ENGLISH

10-11-12

This course is for international EL students who are at an advanced level of English. Students working within this course must be able to understand most native speakers without requesting repetition or paraphrasing. They will be taught to read advance level documents and listen to broadcasts that are aimed at native speakers with little difficulty. This course will help advanced level international EL students to understand subtle, nuance, and other rhetorical strategies and be able to utilize these strategies to some degree. Students will be exposed to a wide variety of grammatical structures and will have to rephrase arguments in multiple ways. They will learn to speak with ease about most subjects relevant to modern life and will be expected to use specialized core content vocabulary. This course has a high emphasis in academic reading and writing. Some topics in the advanced level class include: politics, art, psychology, world history, cultural change, and technology.

ADVANCED HIGH ENGLISH

11-12

This course is designed for international EL students who are at a high advanced level of English. Students working within this course must be able to clearly understand and communicate with native speakers without requesting repetition or paraphrasing. International EL students enrolled in this course will be taught to comprehend high-advanced level reading passages with topics and listening materials that are aimed at native speakers with little difficulty. The course will cover a complete foundation of grammatical structures in language production. Students will be taught to speak and write with ease about most subjects relevant to modern life and will be expected to use specialized core content vocabulary. This course has a high emphasis in academic reading and writing. Topics in the high advanced level class include politics, art, psychology, world history, cultural transition, literature, and entertainment.

GLOBAL STUDIES PROGRAM—ENGLISH CORE

ENGLISH: GENERAL SCIENCE AND HEALTH EDUCATION

9-10

This is an introductory content-based science course aimed at helping international EL students achieve grade-level science standards in preparation for mainstream classes and textbooks. The course uses an instructional design that relies mainly on content-matter learning and vocabulary development that introduces EL learners to basics of science study. This course is divided into six introductory units of study that takes the learner on a scientific journey that begins with the precepts of the scientific method and continues on with detailed yet comprehensible explanations of over 50 science topics, which include the human body, the solar system, and electricity and magnetism. The units introduced are:

- Health, hygiene and wellness
- Science Basics introduces learners to scientific theory, method, and tools
- Life Science presents the reader with good biological background information ranging from single-celled organisms to reproduction, genetics, and ecosystems
- Earth Science covers topics like space, the earth's structure, weather, and natural resources
- Physical Science delves into atoms and molecules, chemistry, and forms of energy
- Design Technology

