

Course of Study

2021-2022



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Notations used in this book

* Prerequisite required

Prerequisite and department chair approval required

FY Full Year Course

SEM Semester Course

AP Advanced Placement Course

BDC Bethany Lutheran College Dual Credit

DC Dual Credit Courses

ST S.T.E.M. topics covered



Online Courses

WELS ALHSO WELS Area Lutheran High Schools Online

WVS Wisconsin Virtual School

MLHS MISSION STATEMENT

“Manitowoc Lutheran High School uses its God-given gifts to help each student become thoroughly equipped for paths of service to our Redeemer.”

MLHS OBJECTIVES

(Therefore)

We use the Word of God in its truth and purity as we...

- Point our students to the knowledge and joyful assurance of our eternal welfare
- Worship daily as a school family in chapel and on special occasions
- Explore it in Religion classes and throughout a curriculum that has today's teen in mind
- Apply it to the many different situations that arise within our school family
- Discipline as needed with law, gospel, prayer, and evangelical encouragement
- Provide a foundation for life-long study of God's holy word
- Reach out to those who don't know the pure Word of God when we are given the opportunity

We use the facilities we have now and plan for later as we...

- Preserve our beautiful campus and facility as good stewards of God's blessings
- Provide ample teaching space and the tools needed to educate and care for today's learners
- Provide quality spaces that enhance our extracurricular programs
- Serve as a gathering place for our extended school family and others

We use the tremendous talents of our faculty and staff as we...

- Encourage our students to discover and make faithful use of their own gifts
- Instill confidence in our students as they take the next steps in their life-long pursuits
- Model the blessing and joy of serving the one who has made us his own
- Model the value of hard work, cooperation with others, and effort to improve
- Let each student know that they are objects of God's love and ours

We use the wonderful support of our federation as we...

- Partner with federation members in providing a quality Christ-centered education
- Maintain and make known a current master site plan
- Serve as a model of good ministry and evangelical response to God's grace
- Assist the federation congregations and schools with their own ministries
- Demonstrate that MLHS is a God-pleasing option to prospective students near and far

We use our broad-based programs of study as we...

- Give each student a foundation that will allow them to succeed as God blesses them
- Give attention to individual interests, needs and strengths
- Prepare students well for post-secondary education, the work force, and military service
- Incorporate skills that enhance our students' ability for acceptance into post-secondary schools
- Offer training and encouragement for the public ministry
- Partner with parents in providing a quality Christ-centered education

We use our diverse extracurricular programs as we...

- Give each student the opportunity to learn valuable life skills outside the classroom
- Provide ample opportunities in athletics, fine arts, and service groups
- Teach the value of healthy competition
- Allow students to discover, develop and display the talents they have
- Teach the importance of good sportsmanship, teamwork and being good examples
- Provide entertainment and edification for those who see us in action
- Promote God-pleasing school pride
- Encourage the development of Christian leadership skills

MLHS VISION

By the year 2021 Manitowoc Lutheran High School will use the gifts God gives his people to be a leader among secondary schools in the Manitowoc area, a model area Lutheran high school in the WELS, and a trusted program that attracts students from around the world.

Considerations

- All students will be required to take at least 6 credits each semester.
- Students planning to enter schools of higher learning should plan their high school course of study carefully in order to meet the entrance requirements at such schools.
- Special academic consideration may be given to students whom the Lord has blessed with limited abilities. Requests for consideration should be directed to the Learning Coordinator.

Add/Drop Policy

- A student may drop a class, add a class, or change a class with written parental permission, the approval of the advisor, guidance director, and in consultation with the instructors involved before the end of the 7th day of the semester.
- A student may withdraw from the class between the end of the 7th day and the end of the 12th day of the semester with written parental permission, the approval of the guidance director, and in consultation with the instructor involved, and the homeroom advisor. No student may withdraw after the end of the 12th day of a semester class without it being marked as “Withdraw Fail” on their transcript.
- A student in need of graduation credit or a 6th academic class due to withdrawal may add a class at the end of the 7th day of the semester with the approval of the guidance director and in consultation with the instructors involved. To receive credit for the class, missed work must be made up.
- Drop-add restrictions do not apply to ability grouping in the discipline of mathematics.
- A student enrolled in a two-semester course may drop the course at the end of the first semester with written parental permission, approval of administration and in consultation with the instructor involved.
- Add/Drop dates for online class depends on when the class begins. The same 7th or 12th day procedure applies. Dropping a course after the drop date is marked as Withdraw Fail and full payment of the course is due.

NOTE: For each of the above, the student should contact his/her advisor, first.

If you have any course selection changes, please contact your student's advisor to set up an appointment. There will be a \$25 fee for any Sophomores, Juniors, or Seniors that have any course changes after June 15th (unless course change is recommended for academic prerequisite by advisor/teacher). For freshman, the fee will apply to second semester course changes only.

Alternative Education Policy

All Manitowoc Lutheran High School students are required to enroll in and maintain a minimum academic load of six classes per semester at MLHS. The exception to this rule is if a student is involved in Youth Apprenticeship. This is consistent with the 5.5 credits per school year that Wisconsin Statute § 118.33(3) requires. MLHS shall not grant a high school diploma to any student unless, during grades 9-12, the student has been enrolled in a class or has participated in an activity approved by the MLHS Board of Control during each class period of each school day. The approved activities are as follows:

1. Online classes
2. College classes for Dual Credit
3. AP classes
4. Youth Apprenticeship
5. Individual Music Lessons
6. Independent Study

Online Course Policy

1. *Online Classes* are available through Manitowoc Lutheran High School for the purpose of enrichment and to supplement a student's class schedule
 - a. MLHS is a charter member of Association of Lutheran High Schools Online (ALHSO). These courses are taught by WELS' teachers, pastors, or members that are approved by the ALHSO Board.
 - b. Classes from another online source need to be approved by the MLHS administration through the Guidance Office.
2. An *On-line Class* cannot be taken in lieu of a class that is offered at the high school in our regular curriculum. The only exception to this will be online options used by the registrar to alleviate scheduling conflicts or to schedule classes for credit recovery.
3. For Manitowoc Lutheran High School students, registration for admission into an On-line Courses includes the following:

- a. Students taking an enrichment course must have a minimum of a 2.8 GPA to be considered.
 - b. Students must not have excessive late assignments or been ineligible due to missing work multiple times in the previous semester.
 - c. Students seeking credit recovery from an online course have no GPA requirement.
 - d. The drop/add policy for MLHS applies to **ALL** online classes and will begin from the start of the online class
 - e. A registration form is submitted to the guidance office
 - f. The registration form must include parent/guardian signatures, Guidance Counselor signature, and homeroom advisor approval.
4. MLHS will include online course offerings approved by the academic committee in our course of study booklet. Only those courses are eligible for the free 1st course discount.
 5. A note will be made in the MLHS course of study booklet that other online courses are available upon approval of the MLHS administration.

General Information

- Online classes must be chosen from the pre-approved course list. Other classes may be considered; however, they will need to be approved beforehand. These classes may include additional fees to be paid by the student. Approval will be granted by the Registrar in consultation with the Principal.
- Students must be eligible to participate in an online course. (Eligibility is determined by the administration and based on demonstrated work ethic and behavior).

Registration

- The registration deadline for an online course is June 15th.
- The Registrar will not consider a registration late if it is due to an unforeseen scheduling conflict.
- Bethany Dual Credit courses do not have a late registration, space is limited with these courses and admission to course is dependent on acceptance to Bethany Lutheran College.

Expenses & Fees

- Each qualifying student will have the opportunity to have one semester of an online course (\$300) that is not offered in the MLHS curriculum included in the cost of tuition during his or her MLHS career. Only courses listed and approved in the course of study booklet will apply.
- Any course costs in excess of \$300 are the responsibility of the student and must be paid prior to the class start date.
- Textbooks, software and other expenses are not covered
- MLHS will only reimburse for courses that total 8. If the student enrolls in a 9th class, the cost will be paid by the student.
- Students may take more than one semester of a course or an additional course outside the MLHS curriculum; however, the family is required to pay the full financial cost of the course along with any additional fees and supplies.

Special Circumstances / Exceptions

- MLHS will cover the cost of an online course that must be taken due to a scheduling conflict which occurs that is beyond the control of the student.
- MLHS will cover the cost of an online course for a student transferring in that has to take a required course that is not offered at MLHS at the time of transfer.
- MLHS **may** cover the cost of an online course that is an elective if there is a scheduling conflict with that elective and another course that is required. Approval will be granted by the Registrar in consultation with the Principal.

Software

- If a student needs special software for the class and wants it loaded on a personal device, the student is responsible for the entire cost of the software (the software license then belongs to the student).
- Any software purchased by MLHS is the property of MLHS.

Manitowoc Lutheran High School is a four-year institution dedicated to providing a quality Christ-centered education for its students. Based on our educational and ministry mission statements our Board of Control does not consider early graduation something that meets the goals and outcomes that we desire for our students.

Class Load

Students may not exceed nine total classes between courses offered at MLHS and other courses. (Ex. 6 MLHS + 3 Online, 7 MLHS + 2 Online, 8 MLHS + 1 Online).

Credits / GPA

1. AP/Dual Credit courses receive a weight increase of 0.33 in GPA points due to the nature of the course content. These courses are identified within the Course Catalog
2. ALHSO (Association of Lutheran High Schools Online) courses have been approved and will be granted credits based on our membership in the Association of Lutheran High Schools. Dual Credit Courses that are being given college credit will also count toward the student's MLHS GPA.
3. High school courses offered by other online academic providers and Dual Credit Courses must meet the approval of the MLHS administration. The administration will critique these providers based on their reputation, credentials, the course syllabus, and how the course measures up to the standards of God's Word. These approved courses will be granted credits by MLHS on the student transcript.
4. All high school credits earned as *Dual Credits* or *On-line Credits* and approved by the MLHS administration will be included on the Manitowoc Lutheran High School transcript and included in the student's GPA. The one exception is YA courses offered at LTC and get college credit. Those will appear on the transcript but not be included for the GPA.

Advanced Placement/Dual Credit Classes

1. MLHS Advanced Placement (AP) courses provide the top students a collegiate experience and the opportunity to earn college credit. These classes are part of the MLHS curriculum and count towards the minimum academic load of six classes. Online AP courses do not count toward this total and need to follow the policies that govern our alternative education offerings.
2. Advanced Placement courses may be taken by students that observe the stated prerequisites and have been granted approval by the faculty chair of the department under which the AP class falls. A GPA of 3.2 and faculty chair approval must also be obtained.
3. *Dual Credit* are also available through Manitowoc Lutheran High School.

- a. Dual enrollment courses are college level courses offered by an accredited university or college. Students that successfully complete these courses receive both high school and college credit.
 - b. In addition to the online class requirements listed, students must have a GPA of 3.0
 - c. Dual Credit Course grades will be entered on the MLHS transcript but will follow the grading scale of the originating institution.
4. AP/Dual Credit courses receive a weight increase of 0.33 in GPA points due to the nature of the course content.

Youth Apprenticeship

The purpose of the Youth Apprenticeship is a school to work program to train students who plan to enter the work-force directly after high school, or who plan to enroll in a technical college or a university in an occupationally-related degree program.

1. The student must be in grades 11 or 12
2. A minimum GPA of 2.0 must be maintained.
3. One Practical Arts elective credit must be earned per semester for a minimum of three hour/day work experience.
4. If accepted, the student must take a minimum of four classes in addition to Youth Apprenticeship.
5. A student is required to attend the Youth Apprenticeship Coordinator meeting before being accepted into the YA program
6. MLHS will cover high school credit only as part of the YA program. Dual credit courses will be charged to the family, even if it is their first online course.

Individual Music Lessons

Individual Music Lessons are given before or after school, or offered during regular band and choir periods, or study halls. Lessons are 30 minutes in length and will be tailored to the individual needs, abilities, goals, and age of each student.

In each lesson we will strive to include warm-ups, sight singing / sight reading, technique, music theory, performing a varied repertoire and music history. Students will gain the tools to use their natural talents in the most healthy and effective fashion and will be assisted and encouraged to improve their God-given abilities, enhance their performance skills, and develop an overall enjoyment of music.

Lessons are given on a weekly basis and cost \$17 per 30 minute lesson. This cost includes the payment of teacher salary and administrative costs.

1. The MLHS Lesson Teachers will use PowerSchool to report student progress.
2. Music Lessons will appear as an “Audit” on transcripts that are sent to colleges and employers.
3. To receive “audit” on a transcript, the student and parent must complete the MLHS Lesson Commitment form.
4. A student who fails their music lessons course, a grade of Fail will be noted rather than Pass

Keyboard: Piano or Organ

MUS3025 – All Grades – Semester or Full Year

Organ Requires recommendation from piano teacher, organ teacher and music department head.

Instrumental Music Lessons

MUS3024 – All Grades – Semester or Full Year

Vocal Lessons

MUS3026 – All Grades – Semester or Full Year

Independent Study

Purpose

Senior students with a scheduled study hall may propose an independent study project to help or augment their own curricular track or to address a specific need within the high school. As it states in our vision statement, “MLHS will use the gifts God gives his people to be a leader among secondary schools in the Manitowoc area.” The independent study project would be a way to use the unique gifts God has given a qualifying student. This curricular option could be mutually beneficial to the student and the high school.

Project Plan

- A MLHS teacher will serve as the mentor for the project.
- Students will create a syllabus to show what type of project they will do.
- The final grade will be given by the mentor, the principal, and the students advisor and will include the monthly progress reports, the syllabus, and the final project.
- Each project must be completed within the semester that it was started unless special permission is granted.

Accountability

- Every month a 1-page typed paper will be submitted to the mentor stating what was learned and what progress was made in the project.
- Mentors are expected to check in frequently to ensure progress is being made.

Completion and Credit

Upon approved completion of the independent study project, a credit of 0.5 will be awarded. This grade will be included in the student’s GPA.

Physical Education Requirements

In accordance with the 2011 Wisconsin Act 105, Wis. Stat. sec. 118.33 effective December 9, 2011.

118.33 (1) (e) A school board may allow a pupil who participates in sports or in another organized physical activity, as determined by the school board, to complete an additional 0.5 credit in English, social studies, mathematics, science, or health education in lieu of 0.5 credit in physical education.

Manitowoc Lutheran high school physical education graduation requirements:

Year	Course	Credit
9 Year	Physical Education 9 (split with music)	.5
10 Year	Physical Education 10 (split with health)	.5
11/12 Semester	Fitness Leadership & Exercise	.5
	<i>or</i>	
11/12 Semester	Lifetime Sports & Activity	.5

All juniors and seniors will complete 1.5 credits of physical education with the following exceptions:

- Students will NOT be required to complete 0.5 credits of physical education if they are enrolled in eight academic courses both junior and senior year.
- Students will NOT be required to complete 0.5 credits of physical education if they are competing in one sports season both junior and senior years and in seven academic courses.

Manitowoc Lutheran high school reserves the right to waive physical education credits for students based upon documented limited physical ability and/or disability.

MLHS COURSE PLANNER

MLHS Graduation Requirements

Course Type	Credits Required	Course Name
Theology	4.0	Old Testament, Life of Christ, 11-12 th options
English	4.0	English 9, Speech, Composition, American Literature, British Literature or AP English Literature & Composition
Social Studies	3.0	Geography, World History, American History or AP US History, American Government or AP Government
Mathematics	3.0	3 Math Courses
Science	3.0	Physical Science, Biology, CHOOSE ADDITIONAL ONE CREDIT OF THE FOLLOWING: Honors Chemistry, Environmental, Earth/Space Science, Honors Anatomy and Physiology, Honors Physics, Honors Advanced Biology,PTLW
World Languages	0.0	
Physical Education	1.5	Physical Education 9, Physical Education 10, Choose one: Fitness Leadership & Exercise or Lifetime Sports & Activities
Computer	0.5	Computer Applications
Health	0.5	Health
Fine Arts	1.0	With Music making up 0.5 of the 1.0 required credit
General Electives	5.0	See elective listings
Total	25	

Most 4-year College Entrance Requirements

Course Type	Credits Required	Course Name
Theology	0.0	N/A
English	4.0	English 9, Speech, Composition, American Literature, British Literature or AP English Language & Composition
Social Studies	3.0	Geography, World History, American History or AP US History, American Government or AP Government
Mathematics	3.0-4.0	Algebra1, Algebra2, Geometry, Algebra2/Trigonometry
Science	3.0	Physical Science, Biology, CHOOSE ADDITIONAL ONE CREDIT OF THE FOLLOWING: Honors Physics, Honors Advanced Biology, Honors Chemistry, Honors Anatomy & Physiology,PLTW
World Languages	2.0-3.0	Spanish 1,2,3,4, Latin 1,2, German 1,2,3,4 Or total of 4 credits in extra English, Social Science, Math, Natural Science, also the arts, computer, vocational areas
Physical Education	0.0	
Computer	0.0	
Health	0.0	
Music	0.0	
General Electives	2.0	College Preparatory encourages additional courses in English, Social Sciences, Math, Natural Science, also the arts, computer, vocational areas

FRESHMAN COURSE OFFERINGS

Required Courses

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
THEOLOGY (<i>Determined by Dept. Head</i>)				
Bible Information Class*	REL1013	REL	FY	1.0
Life of Christ	REL1018	REL	FY	1.0
SOCIAL STUDIES				
Geography	SOC1031	SOC	SEM2	0.5
COMMUNICATION ARTS				
English 9	ENG1001	ENG	FY	1.0
FINE ARTS (<i>1.0 Credit Required and 0.5 credit must be a Music Course</i>)				
Band*	MUS1005	MUS	FY	1.0
Cantate Choir	MUS1013	MUS	FY	1.0
General Music	MUS1022	MUS	SEM	0.5
Drawing & Painting*	FIN1017	FIN	SEM2	0.5
Introduction to Art	FIN1010	FIN	SEM	0.5
Math (<i>one of the math courses below - Determined by Department Head</i>)				
Algebra 1	MAT1003	MAT	FY	1.0
General Math	MAT1001	MAT	FY	1.0
Geometry* (<i>placement test</i>)	MAT1005	MAT	FY	1.0
Pre-Algebra	MAT1002	MAT	FY	1.0
SCIENCE				
Physical Education 9	PHY3910_152	PHY	SEM1	0.5
Intro to Chemistry	SCI1003	SCI	SEM1	0.5
Intro to Physics	SCI1004	SCI	SEM2	0.5
CAREER & TECHNICAL EDUCATION				
Computer Applications	COM1002	COM	SEM1	0.5

Freshman Elective Courses

(You may fill 0, 1, or 2. You must have a minimum of 6 classes per day)

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
COMMUNICATION ARTS				
English as a Second Language	ENG1009	ENG	FY	1.0
English as a Second Language 2	ENG1022	ENG	FY	1.0
 German 1(<i>placement test</i>)	FOR1009	FOR	FY	1.0
Latin 1	FOR1005	FOR	FY	1.0
Spanish 1(<i>placement test</i>)	FOR1001	FOR	FY	1.0

FINE ARTS

Drawing & Painting*	FIN1017	FIN	SEM2	0.5
Introduction to Art	FIN1010	FIN	SEM	0.5
Band*	MUS1005	MUS	FY	1.0
Cantate Choir	MUS1013	MUS	FY	1.0
General Music	MUS1022	MUS	SEM	0.5
Guitar*	MUS1020	MUS	SEM2	0.5

CAREER & TECHNICAL EDUCATION (CTE)

Intro to Business	BUS1003	SOC	SEM	0.5
 Agricultural Science	VOC1065	VOC	SEM	0.5
Foods	VOC1008	VOC	SEM	0.5
PLTW Intro to Engineering Design ST	VOC1042	VOC	FY	1.0
Woods 1 (as space allows) ST	VOC1012	VOC	SEM1	0.5
Woods 2 (as space allows) ST	VOC1013	VOC	SEM2	0.5

SOPHOMORE COURSE OFFERINGS

Required Courses

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
THEOLOGY (Determined by Dept. Head)				
Bible Information Class 1*	REL1013	REL	FY	1.0
Life of Christ	REL1018	REL	FY	1.0
SOCIAL STUDIES				
World History	SOC1010	SOC	FY	1.0
COMMUNICATION ARTS				
Composition	ENG1006	ENG	SEM1	0.5
Speech	ENG1005	ENG	SEM2	0.5
MATH (pick one from list below)				
Algebra 1	MAT1003	MAT	FY	1.0
Geometry*	MAT1005	MAT	FY	1.0
Honors Algebra 2 & Trig. *	MAT2006	MAT	FY	1.0
Pre-Algebra	MAT1002	MAT	FY	1.0
SCIENCE				
Health	PHY1002	PHY	SEM2	0.5
Physical Education 10	PHY1004	PHY	SEM1	0.5
Biology	SCI1005	SCI	FY	1.0

Sophomore Elective Courses

(You may fill 0, 1, or 2. You must have a minimum of 6 classes per day)

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
SOCIAL STUDIES				
 Criminology	SOC1032	SOC	SEM	0.5
COMMUNICATION ARTS				
English as a Second Language	ENG1009	ENG	FY	1.0
English as a Second Language 2	ENG1022	ENG	FY	1.0
 German 1	FOR1009	FOR	FY	1.0
 German 2*	FOR1010	FOR	FY	1.0
Latin 1	FOR1005	FOR	FY	1.0
Latin 2*	FOR1006	FOR	FY	1.0
Spanish 1	FOR1001	FOR	FY	1.0
Spanish 2*	FOR1002	FOR	FY	1.0

FINE ARTS

Advanced Art*	FIN1016	FIN	SEM	0.5
Drawing & Painting*	FIN1017	FIN	SEM2	0.5
Introduction to Art	FIN1010	FIN	SEM	0.5
Photography*	FIN1031	FIN	SEM1	0.5
Advanced Music Theory*	MUS1023	MUS	SEM1	0.5
Band*	MUS1005	MUS	FY	1.0
Cantate Choir	MUS1013	MUS	FY	1.0
Guitar*	MUS1020	MUS	SEM2	0.5

SCIENCE

Earth/Space Science*	SCI1006	SCI	SEM1	0.5
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CAREER & TECHNICAL EDUCATION (CTE)

Intro to Business	BUS1003	SOC	SEM	0.5
 Intro to Computer Programming	COM1007	COM	SEM1	0.5
 Web Page Design	COM1006	COM	SEM1	0.5
 Agricultural Science	VOC1065	VOC	SEM	0.5
 Agriscience II*	VOC1066	VOC	SEM	0.5
Construction Trades*	VOC1017	VOC	SEM2	0.5
Foods	VOC1008	VOC	SEM	0.5
PLTW Aerospace Engineering* ST	VOC1044	VOC	FY	1.0
PLTW Intro to Engineering Design ST	VOC1042	VOC	FY	1.0
PLTW Principles of Engineering* ST	VOC1052	VOC	FY	1.0
Woods 1 (as space allows)	VOC1012	VOC	SEM1	0.5
Woods 2*(as space allows)	VOC1013	VOC	SEM2	0.5

JUNIOR COURSE OFFERINGS

Required Courses

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
THEOLOGY (Must pick 1 each SEM)				
Apologetics	REL1028	REL	SEM1	0.5
Bible Information Class 1*	REL1013	REL	FY	1.0
Christian Life Planning	REL1038	REL	SEM2	0.5
Contemporary Congregational Concerns	REL1039	REL	SEM	0.5
Deeper Dive into Doctrine	REL1041	REL	SEM2	0.5
Lutheran Worship, Music and the Arts	REL1042	REL	SEM2	0.5
Missionary Journeys	REL1040	REL	SEM1	0.5
Our Lutheran Heritage	REL1043	REL	SEM1	0.5
Theology of the Cross	REL1044	REL	SEM1	0.5
SOCIAL STUDIES				1.0
American History	SOC1003	SOC	FY	1.0
AP US History*	SOC2008	SOC	FY	1.0
COMMUNICATION ARTS				
American Literature	ENG1007	ENG	FY	1.0
MATH (one from list below)				
Personal Finance	MAT1022	MAT	SEM2	0.5
Algebra 1	MAT1003	MAT	FY	1.0
Algebra 2*	MAT1004	MAT	FY	1.0
Geometry*	MAT1005	MAT	FY	1.0
Honors Pre-Calculus & Trig.*	MAT2002	MAT	FY	1.0
Honors Algebra 2 & Trig.*	MAT2006	MAT	FY	1.0
Statistics* ST	MAT1013	MAT	FY	1.0
SCIENCE (one credit from list below)				
Earth/Space Science*	SCI1006	SCI	SEM1	0.5
Environmental Science ST	SCI1014	SCI	FY	1.0
Honors Anatomy & Physiology*	SCI1013	SCI	SEM2	0.5
Honors Chemistry* ST	SCI2002	SCI	FY	1.0
Honors Physics* ST	SCI2001	SCI	FY	1.0

Junior Elective Courses

(Please select at least three. You must have a minimum of 6 classes per day.)

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
SOCIAL STUDIES				
 Criminology	SOC1032	SOC	SEM	0.5
Current Events	SOC1009	SOC	SEM2	0.5
Economics	SOC1005	SOC	SEM1	0.5
 General Psychology* ^{BDC}	SOC1043	SOC	SEM	0.5
Intro to Psychology	SOC1016	SOC	SEM	0.5
 Principals of Macroeconomics* ^{BDC}	SOC1042	SOC	SEM	0.5
 World Geography	SOC1008	SOC	FY	1.0

COMMUNICATION ARTS

 Creative Writing	ENG1019	ENG	SEM2	0.5
 College Writing* ^{BDC}	ENG1052	ENG	SEM1	0.5
English as a Second Language 3	ENG1023	ENG	FY	1.0
 Sci. Fi. /Fantasy (SF) Literature*	ENG1053	ENG	SEM1	0.5
 American Sign Language 1	FOR1028	FOR	FY	1.0
 German 1	FOR1009	FOR	FY	1.0
 German 2*	FOR1010	FOR	FY	1.0
 German 3*	FOR1011	FOR	FY	1.0
Latin 1	FOR1005	FOR	FY	1.0
Latin 2*	FOR1006	FOR	FY	1.0
 Latin 3*	FOR1007	FOR	FY	1.0
Spanish 1	FOR1001	FOR	FY	1.0
Spanish 2*	FOR1002	FOR	FY	1.0
Spanish 3*	FOR1003	FOR	FY	1.0

FINE ARTS

Advanced Art*	FIN1016	FIN	SEM2	0.5
Drawing & Painting*	FIN1017	FIN	SEM1	0.5
Introduction to Art	FIN1010	FIN	SEM	0.5
Photography*	FIN1031	FIN	SEM2	0.5
Advanced Music Theory*	MUS1023	MUS	SEM1	0.5
Band*	MUS1005	MUS	FY	1.0
Concert Choir	MUS1001	MUS	FY	1.0
Guitar*	MUS1020	MUS	SEM2	0.5

SCIENCE

Fitness Leadership & Exercise	PHY1005	PHY	SEM2	0.5
Lifetime Sports & Activities	PHY1013	PHY	SEM2	0.5
Earth/Space Science*	SCI1006	SCI	SEM1	0.5
Environmental Science ST	SCI1014	SCI	FY	1.0
Honors Anatomy & Physiology*	SCI1013	SCI	SEM2	0.5
Honors Chemistry* ST	SCI2002	SCI	FY	1.0
Honors Physics* ST	SCI2001	SCI	FY	1.0

CAREER & TECHNICAL EDUCATION (CTE)

Accounting	BUS1001	BUS	SEM1	0.5
Intro to Business	BUS1003	BUS	SEM	0.5
Marketing in a Digital Era*	BUS1016	BUS	SEM2	0.5
 AP Computer Science #	COM2001	COM	FY	1.0
Digital Media	COM1005	COM	SEM	0.5
 Game Programming*	COM1010	COM	SEM2	0.5
 Intro to Computer Programming	COM1007	COM	SEM1	0.5
 Intro to Computer Programming1* ^{BDC}	COM1007	COM	SEM1	0.5
 Intro to Computer Programming2* ^{BDC}	COM1025	COM	SEM2	0.5
Youth Apprenticeship*	VOC3004	VOC	FY	
Independent Living	VOC1009	VOC	SEM1	0.5
Intro to Construction Trades*	VOC1017	VOC	SEM2	0.5
 Medical Terminology ^{BDC}	VOC1028	VOC	SEM	0.5
PLTW Aerospace Engineering* ST	VOC1044	VOC	FY	1.0
PLTW Biomedical Science* ST	VOC1051	VOC	FY	1.0
PLTW Principles of Engineering Design* ST	VOC1052	VOC	FY	1.0
 Web Page Design	COM1006	COM	SEM1	0.5
Woods 1 ST (as space allows)	VOC1012	VOC	SEM1	0.5
Woods 2* ST (as space allows)	VOC1013	VOC	SEM2	0.5

SENIOR COURSE OFFERINGS

Required Courses

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
THEOLOGY (Must pick 1 each sem)				
Apologetics	REL1028	REL	SEM1	0.5
Bible Information Class 1*	REL1013	REL	FY	1.0
Christian Life Planning	REL1038	REL	SEM2	0.5
Contemporary Congregational Concerns	REL1039	REL	SEM	0.5
Deeper Dive into Doctrine	REL1041	REL	SEM2	0.5
Lutheran Worship, Music and the Arts	REL1042	REL	SEM2	0.5
Missionary Journeys	REL1040	REL	SEM1	0.5
Our Lutheran Heritage	REL1043	REL	SEM1	0.5
Theology of the Cross	REL1044	REL	SEM1	0.5
COMMUNICATION ARTS (Determined by Dept. Head)				
AP English: Lang. & Comp.* (limit 20)	ENG2007	ENG	FY	1.0
British Literature	ENG1008	ENG	FY	1.0
SOCIAL STUDIES				
American Government	SOC1004	SOC	SEM1	0.5
AP Government* (limit size 25)	SOC2001	SOC	SEM2	0.5

Senior Elective Courses

(Please select at least three. You must have a minimum of 6 classes per day)

<u>Course Name</u>	<u>Course Number</u>	<u>Credit Type</u>	<u>Term</u>	<u>Credit</u>
SOCIAL STUDIES				
 Criminology	SOC1032	SOC	SEM	0.5
Current Events	SOC1009	SOC	SEM2	0.5
Economics	SOC1005	SOC	SEM1	0.5
 General Psychology*BDC	SOC1043	SOC	SEM	0.5
Intro to Psychology	SOC1016	SOC	SEM	0.5
 Principals of Macroeconomics*BDC	SOC1042	SOC	SEM	0.5
 World Geography	SOC1008	SOC	FY	1.0

COMMUNICATION ARTS

 College Writing ^{BDC}	ENG1052	ENG	SEM1	0.5
 Creative Writing	ENG1019	ENG	SEM2	0.5
English as a Second Language 3	ENG1023	ENG	FY	1.0
English as a Second Language 4	ENG1027	ENG	SEM1	0.5
 Sci. Fi. /Fantasy (SF) Literature	ENG1053	ENG	SEM1	0.5
 American Sign Language 1	FOR1028	FOR	FY	1.0
 American Sign Language 2*	FOR1043	FOR	FY	1.0
 German 1	FOR1009	FOR	FY	1.0
 German 2*	FOR1010	FOR	FY	1.0
 German 3*	FOR1011	FOR	FY	1.0
 German 4*	FOR1012	FOR	FY	1.0
Latin 1	FOR1005	FOR	FY	1.0
Latin 2*	FOR1006	FOR	FY	1.0
 Latin 3*	FOR1007	FOR	FY	1.0
Spanish 2*	FOR1002	FOR	FY	1.0
Spanish 3*	FOR1003	FOR	FY	1.0
Spanish 4*	FOR1004	FOR	FY	1.0

FINE ARTS

Advanced Art*	FIN1016	FIN	SEM2	0.5
Drawing & Painting*	FIN1017	FIN	SEM2	0.5
Introduction to Art	FIN1010	FIN	SEM	0.5
Photography*	FIN1031	FIN	SEM1	0.5
Advanced Music Theory*	MUS1023	FIN	SEM1	0.5
Band*	MUS1005	MUS	FY	1.0
Concert Choir	MUS1001	MUS	FY	1.0
Guitar*	MUS1020	MUS	SEM2	0.5

MATH

Algebra 2*	MAT1004	MAT	FY	1.0
AP Calculus AB ^{#ST}	MAT2004	MAT	FY	1.0
 AP Calculus BC ^{#ST WVS}	MAT2008	MAT	FY	1.0
Geometry*	MAT1005	MAT	FY	1.0
Honors Algebra 2 & Trig.*	MAT2006	MAT	FY	1.0
Honors Pre-Calculus & Trig.*	MAT2002	MAT	FY	1.0
Personal Finance	MAT1022	MAT	SEM2	0.5
Statistics ^{#ST}	MAT1013	MAT	FY	1.0

SCIENCE

	Fitness Leadership & Exercise	PHY1005	PHY	SEM2	0.5
	Lifetime Sports & Activities	PHY1013	PHY	SEM2	0.5
	AP Environmental Science #	SCI2005	SCI	FY	1.0
	Earth/Space Science*	SCI1006	SCI	SEM1	0.5
	Environmental Science ST	SCI1014	SCI	FY	1.0
	Honors Anatomy & Physiology*	SCI1013	SCI	SEM2	0.5
	Honors Chemistry* ST	SCI2002	SCI	FY	1.0
	Honors Physics* ST	SCI2001	SCI	FY	1.0
	Human Anatomy & Physiology I* ^{DC}	SCI1023	SCI	SEM1	0.5
	Human Anatomy & Physiology II* ^{DC}	SCI1024	SCI	SEM2	0.5

CAREER & TECHNICAL EDUCATION (CTE)

	Accounting	BUS1001	BUS	SEM1	0.5
	Marketing in a Digital Era*	BUS1016	BUS	SEM2	0.5
	AP Computer Science #	COM2001	COM	FY	1.0
	Digital Media	COM1005	COM	SEM	0.5
	Game Programming*	COM1010	COM	SEM2	0.5
	Intro to Computer Programming	COM1007	COM	SEM1	0.5
	Intro to Computer Programming1* ^{BDC}	COM1007	COM	SEM1	0.5
	Intro to Computer Programming2* ^{BDC}	COM1025	COM	SEM2	0.5
	Web Page Design	COM1006	COM	SEM1	0.5
	Youth Apprenticeship*	VOC3004	VOC	FY	1.0
	Independent Study*	VOC1067	VOC	SEM	0.5
	Independent Living	VOC1009	VOC	SEM2	0.5
	Intro to Construction Trades*	VOC1017	VOC	SEM2	0.5
	Medical Terminology ^{BDC}	VOC1028	VOC	SEM	0.5
	PLTW Aerospace Engineering*	VOC1044	VOC	FY	1.0
	PLTW Biomedical Science* ST	VOC1051	VOC	FY	1.0
	PLTW Principles of Engineering Design* ST	VOC1052	VOC	FY	1.0
	Woods 2* ST	VOC1013	VOC	SEM2	0.5

COURSE DESCRIPTIONS

THEOLOGY

Apologetics

REL1028- 11th or 12th grade – Semester 1

Is there such a thing as a “thinking Christian”? Can a Christian be an intellectual, or does Christianity require you to shut your brain off, as many non-Christians assume? This one-semester course will explore the role of reason in the life of the Christian. It will look at some of the classic arguments for the existence of God, as well as the relationship between religion and science, to see if some ‘reasonable’ arguments against the Bible can be answered, so that a path can be cleared for the Gospel. **Prerequisite:** REL1001-Old Testament and REL1018-Life of Christ or department approval

Bible Information Class 1 (BIC)

REL1013 –All Grades- Full Year

This course introduces the students to the basic content of the Bible, the basic teachings about God, the basic description of the church, and the basics of Lutheranism. In the first semester, the content of the Bible is studied through the four main types of literature that are found in the Bible: history, poetry, prophecy, and teaching. The "top ten" historical events of the Old Testament and then of the New Testament are examined through summaries provided by the instructor and through actual reading of select texts. Law and gospel are highlighted at the same time when appropriate. The basic teachings about God, the church, and Lutheranism will be covered by way of Bible passages and supplemental material that is geared towards this particular audience. The Apostles’ Creed will be a primary source.

Prerequisite: None

Christian Life Planning

REL1038-11th or 12th grade – Semester 2

How do Christians make decisions? What guides us? How are we to be, as Jesus said, “in the world” without becoming part “of the world”? What does a Christian family look like? What does it mean to be a Christian man or a Christian woman? How does a Christian face the temptations common to our life today? How does a Christian face death? This one-semester course will explore answers to those important questions that arise as we plan our lives as Christians. **Prerequisite:** REL1001-Old Testament and REL1018-Life of Christ, or department approval.

Contemporary Congregational Concerns

REL1039-11th or 12th grade - Semester

Using Paul's letters to the Corinthians as a framework, this class will explore issues that become concerns for many congregations today – leadership, worship, church discipline, stewardship, and more. The goal of this one-semester course is to develop active members and faithful leaders that will serve God and his people in our congregations for many years to come. **Prerequisite:** REL1001-Old Testament and REL1018-Live of Christ, or department approval.

Deeper Dive into Doctrine

REL1041-11th or 12th grade – Semester 2

Beginning with Paul's letter to the Romans, this one-semester course will dig deeper into the great doctrines of Scripture, including those that are distinctly Lutheran – Church Fellowship, the Sacraments, the Roles of Man and Woman, and the Antichrist. It will also compare the teachings of Scripture with other churches, both Christian and non-Christian.

Prerequisite: REL1001-Old Testament and REL1018-Live of Christ or department approval.

Life of Christ

REL1018 – 9th & 10th Grade – Full Year

This two-semester course is a study of the Life of Christ through a harmony of the 4 Gospels. Each Gospel's unique qualities will be noted, as we study the complete record of Jesus' life in our place, his death in our place, and his rising from the dead. We will also make regular applications to our lives today. **Prerequisite:** REL1001-Old Testament, or department approval.

Lutheran Worship, Music and the Arts

REL1042-11th or 12th grade – Semester 2

The Lutheran Church has a rich treasure of art and music, a treasure that is often underappreciated. This one-semester course will explore that treasure, with the goal of gaining an appreciation for these blessings God has given us, and to seeing how those gifts can be used in the Divine Service. **Prerequisite:** REL1001-Old Testament and REL1018-Life of Christ, or department approval.

Missionary Journeys

REL1040-11th or 12th grade – Semester 1

Based on the history contained in the book of Acts, as well as Paul's letters, this one-semester course will study Paul's missionary journeys during the first century, and see how they can encourage our own missionary journeys through our lives. We will see how we can carry out evangelism in our personal lives, and will also study the topic of vocation – seeing how we can serve God in the place in our lives he has put us, in our families, careers, and communities. **Prerequisite:** REL1001-Old Testament and REL1018-Life of Christ, or department approval.

Old Testament

REL1001 – 9th Grade *as of 2022-2023*– Full Year

This course is a study of many books of the Old Testament. Along with review of familiar stories, new insight will be put on how and why these stories happened. A general theme of God's promises fulfilled will be learned. **Prerequisite:** None.

Our Lutheran Heritage

REL1043- 11th or 12th grade – Semester 1

A study of history provides rich blessings for the present and the future. This one-semester course will be an overview of our Lutheran history, before, during and after the Lutheran Reformation, and up to the present day. Included in the study of the Reformation will be a survey of the Lutheran Confessions. **Prerequisite:** REL1001-Old Testament and REL1018-Life of Christ, or department approval.

Theology of the Cross

REL1044-11th or 12th grade – Semester 1

What is the purpose of suffering in the lives of God's people? In a world obsessed with the Theology of Glory, Scripture teaches a Theology of the Cross. Centered around Revelation and the First Letter of St. Peter, this one-semester course will see how the cross of Christ becomes our own cross, a blessing that we carry through our lives. **Prerequisite:** REL1001-Old Testament and REL1018-Life of Christ, or department approval.

SOCIAL STUDIES

American Government

SOC1004 – 12th Grade – Semester 1

This one-semester course will give the students a basic understanding of the workings of our system of democracy and the role and responsibility of the Christian in this system. Primary emphasis is placed upon the federal system as it is outlined in the Constitution. Secondary consideration will be given to State of Wisconsin government. **Prerequisite:** None

American History

SOC1003 – 11th Grade – Full Year

Taught from the Christian viewpoint, it covers the story of our nation's development from discovery and colonization to America's role in current world affairs. **Prerequisite:** None

AP Government #

SOC2001 – 12th Grade – Semester 2

AP United States Government and Politics is a one semester course that introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political event. This course specifically prepares students to take the AP U.S. Government and Politics Exam. Limit class size: 25
Prerequisite: A cumulative GPA of 3.0 or higher and instructor approval

AP US History #

SOC2008 - 11th Grade - Full Year

This course will help students become familiar with historical themes and periods in United States history. An emphasis will be placed on developing history thinking skills and on understanding the causes, effects, and results of individual periods. Students will better understand the political, economic, and social situations today by studying the past. Higher level thinking skills will be stressed through reading, writing, and analyzing documents. This course specifically prepares students to take the AP U.S. History exam. **Prerequisite:** A cumulative GPA of 3.0 or higher and instructor approval.

Criminology- WVS

SOC1032 – 10th-12th Grade - Semester

In Criminology students will study the mind of a criminal, sociological theories, violence in crime, organized crime, terrorism, cybercrimes, victims, and preventing, punishing, and making peace. The course will conclude with a final project.

Current Events

SOC1009 -11th & 12th Grade- Semester 2

Current Issues is a one semester course designed to evaluate current events that are impacting our country and our world today. Students will be encouraged to apply critical thinking skills when researching and evaluating these issues, while also looking for how these issues impact the life of a Christian in the world today. **Prerequisite:** None

Economics

SOC1005 – 11th & 12th Grade – Semester 1

This course is the study of the basic tools of micro- and macroeconomics. Microeconomics deals with consumers, firms, markets and income distribution. Macroeconomics deals with national income, employment, inflation and money. The course gives an in-depth look on how the economy controls many things in our daily lives. **Prerequisite:** None

General Psychology* – **ONLINE COURSE:** ^{BDC}

SOC1043 – 11th/12th Grade – SEMESTER

Provides an overview of the major concepts of psychology viewed through contrasting perspectives and gives students a general knowledge base pertaining to the field. A wide range of topics are covered, including: biological influences, learning and memory, development, social factors, abnormal behavior, and therapy. Emphasis is placed on the relevance of psychology to everyday life and faith. **Prerequisite:** Intro to Psychology

Geography

SOC1031 – 9th Grade – Semester 2

This course is taught from the Christian viewpoint, Geography examines the physical, human, political, and cultural geography of the world. Each region will be studied emphasizing major landforms, landmarks, cultural practices, and unique issues. **Prerequisite:** None.

Introduction to Psychology

SOC1016 – 11th/12th Grade – Semester

A one-semester introductory psychology course with emphasis on providing a basic understanding of human mind and behavior, including how we can use the minds and bodies God has given us in building up, strengthening, and restoring ourselves and others. The course covers approaches to psychology, biological underpinnings, how we learn, personality types, abnormal behavior, social influences, and applied psychology. **Prerequisite:** None.



Principles of Macroeconomics* - Online course^{BDC}

SOC1042 – 11th-12th Grade – Semester

Introduction to the theory of economics fluctuations, income determination, and economic growth. Role of the banking system in the economy and monetary and fiscal policies for economic stabilization. Fall semester.

Prerequisite: Economics



World Geography* - Online course^{DC}

SOC1008– 11th-12th Grade – Full Year

An overview of the world's major realms from a spatial perspective. The physiographic and cultural landscapes of regions are explored using systematic geographic concepts. **Prerequisite:** GPA of 3.5 or higher, or consent of instructor for GPA of 3.0-3.49. The student must have successfully passed SOC1031 with a C or higher.

World History

SOC1010– 10th Grade – Full Year

World History outlines the history of our world from creation to the present day. Students will study historical themes and develop reading, writing, and thinking skills in the context of major historical events and eras. A special emphasis will be placed on applying historical events to our lives as Christians today. **Prerequisite:** None.

COMMUNICATION ARTS

Communication Arts: ENGLISH

American Literature

ENG1007 – 11th Grade – Full Year

This yearlong course for juniors consists of the following components: public speaking, writing, and literature. These components incorporate the use of all four language arts skills: speaking, listening, reading, and writing. Presentations emphasize the organization of ideas and the development of public speaking techniques. Literature units consist of the examination of American Literature from pre-colonial to modern times. **Prerequisite:** None.

AP Language & Composition #

ENG2007 – 12th Grade – Full Year

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. **Prerequisite:** Cumulative GPA of 3.0 or higher and instructor approval.

British Literature

ENG1008 - 12th Grade – Full Year

In this senior level, yearlong course, students will study the foundations of the English language by focusing on influential pieces of British Literature. Through a Christian perspective, students will study and respond to works of fiction, non-fiction, poetry, and drama in a wide variety of ways while developing their skills in all aspects of Communication Arts. An emphasis will be placed on Shakespeare's writings and Orwell's 1984. Students will also develop their written communication and critical thinking skills by writing a major research paper. **Prerequisite:** None.

College Writing*^{BDC} - ONLINE COURSE

ENG1052 – 11th-12th Grade – Semester 1

Through a variety of writing and research assignments, successful students will learn to generate and express ideas and craft their thinking on paper into effective reader-based prose. As such, students will develop into more confident and facile academic and professional writers for college and beyond.

Composition

ENG1006 - 10th Grade – Semester 1

This required semester course is designed to help students improve their written communication skills. Students will develop their understanding of grammar usage and mechanics through the analysis and production of written works. Students will incorporate a variety of prewriting, writing, revising, editing, and publishing techniques through various formal and creative writing projects. **Prerequisite:** None.

Creative Writing - ONLINE COURSE: WELS ALHSO

ENG1019 – 11th & 12th Grade – Semester 2

This course explores the craft, process, and practicality of imaginative writing. Students will review the characteristics of a variety of genres and learn how to become aware of their own experiences as material for story, poem, or play. The course will provide a selection of professional and student-written writing samples, exercises, prompts, and discussion opportunities to introduce techniques and reinforce skills. Instruction will focus on demonstrating ways of expressing creativity within a structure needed to communicate to an audience. Students whose career goals require polished writing skills should take this course. **Prerequisite:** B- or better in previous year's required English course.

English 9

ENG1001 – 9th Grade – Full Year

This yearlong course for freshmen is made up of the following components: grammar, composition, and literature. The grammar component provides foundational instruction in grammar, usage, and mechanics of the English language. The literature component is a general overview of literature that includes short stories, short nonfiction, novels, poetry, and Shakespearean drama. The composition component consists of learning and executing the writing process through the writing of sentences of various structure and purpose, creating various types of paragraphs, original poetry, and an original short story. **Prerequisite:** None.

English As A Second Language

ENG1009 – 9th & 10th Grade – Full Year

This course is designed to introduce new international students to daily life and school expectations in the United States. Students are introduced to routines of high school life; how to problem solve in their new surroundings; and how to handle teacher, school, and host family expectations. Basic grammar comprehension is a goal of this course. It is reinforced through reading and writing exercises. Vocabulary development is a main focus. This course works to develop sentence level and paragraph writing skills for beginning ESL students. It includes intensive work to extend reading comprehension abilities through reading response writings, comprehension exercises, and discussions. **Prerequisite:** Students are required a basic knowledge of the English language.

English As A Second Language 2

ENG1022 – 9th & 10th Grade - Full Year

This course is designed for intermediate to advanced level ESL students. Goals include a reinforcement of basic grammar; an introduction and intense study of more complex grammar; including further development of conversational skills, reading skills, writing skills, and vocabulary development. This course works to improve paragraph level writing and essay writing skills. It includes intensive work to extend reading comprehension abilities through reading response writings, comprehension exercises, and discussions. Class time will be devoted to literature in its various forms. Students will begin or continue to practice specific English skills needed for college entrance exams such as the TOEFL and ACT. **Prerequisite:** Proficient knowledge of the English language. (Offered to International Students only)

English As A Second Language 3

ENG1023 – 11th Grade – Full Year

This 2nd Semester course is designed for advanced level ESL students who are in Grade 11. This class will provide college-seeking students with a deeper understanding of the English language including skills in reading, essay writing, conversation, presentation, and life. Students will focus on the skills and techniques needed to successfully take and reach their desired scores for the TOEFL and ACT standardized exams. Students will also work on résumé writing and interview skills needed to lead and direct conversation on current social issues. Other goals of the course include further reinforcement of basic to complex grammar skills, problem solving skills, and development of vocabulary. **Prerequisite:** Have an efficient knowledge of the English language.

English As A Second Language 4

ENG1027 –12th Grade – Semester 1

This 1st Semester course is designed to assist the Grade 12, International Students on their paths to college readiness. Students will review skills and techniques used for taking the TOEFL and ACT standardized exams. Students will also focus on their university applications including The Common Application. Students will work to expand their essay writing skills, perform university and career research, and explore career interests and skills. Students will research college terminology and majors. They will also work on résumé writing and interview skills. Additionally, students will improve on their conversational and life skills. They will lead and direct discussion on current social issues, explore community and civic service, and find God’s purpose in their lives and in the lives of others. **Prerequisite:** Have an efficient knowledge of the English language.



Science Fiction/Fantasy (SF) Literature*

ENG1053 – 11th/12th Grade – Semester 1

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

Speech

ENG1005 - 10th Grade – Semester 2

This required semester course allows students to develop their oral communication and listening skills. Students will be able to become more confident public speakers by analyzing and critiquing speeches and presentations. Students will also organize information and ideas by writing and delivering a variety of speeches. **Prerequisite:** None.

Communication Arts: WORLD LANGUAGES

Criteria for the taking of **Latin or German or Spanish**

- ✓ If student / parents desire only 2 or 3 years of a language, student should consider starting their language studies sophomore or junior year.
- ✓ 9th grade students will be required to take a placement test to be allowed in German or Spanish
- ✓ German will only be offered online
- ✓ Latin may be taken with no prerequisite

American Sign Language 1 - *ONLINE COURSE:WELS ALHSO* **FOR1028- 11th/12th Grade – Full Year**

A beginning level course that focus on the fundamental elements of American Sign Language (ASL) in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills in fingerspelling and thematic units while learning the visual language (short conversations) and culture of the Deaf. Prerequisites: None

American Sign Language 2 - *ONLINE COURSE:WELS ALHSO* **FOR1043-12th Grade – Full Year**

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

German 1* (*placement test needed for 9th grade*) **FOR1009 – All Grades – Full Year**

The student begins his study of German in the context of total communication in a living language. Simple vocabulary and grammar are learned as the student begins to communicate through hearing, speaking, reading, and writing. Aspects of contemporary German culture are emphasized. **Prerequisite:** Placement test for 9th graders

German 2* **FOR1010 – 10th/11th/12th Grade – Full year**

The student continues his study of the German language by building on knowledge acquired in the first year. More emphasis is placed on communication in German only. Important aspects of German history and emigration are emphasized. Portions of the gospels and Luther's Catechism are read. **Prerequisite:** German I

German 3*

FOR1011 – 11th/12th Grade – Full Year

The student continues his study of the German language by building on knowledge acquired in the first two years. The goal of total communication in the target language is achieved. Important aspects of German history and contemporary culture are studied in the German language via media. Samples of simple German literature are explored. Bible reading and the study of the catechism continue. Written and oral reports in German are required. **Prerequisite:** German 2

German 4*

FOR1012 – 12th Grade – Full Year

The student continues his study of the German language by building on the knowledge acquired in the first three years. The total communication experience is deepened as fourth-year students assume a teaching/tutoring role for the third year students. German literature, German history, and German culture are more thoroughly explored via the media. Independent research and writing, as well as oral reports in class, are performed in the target language. Bible reading is continued and other church literature is read. An opportunity to participate in a foreign exchange program is available.

Prerequisite: German 3

Latin 1

FOR1005 – All Grades – Full Year

Students will learn the basics of the language, including declension of nouns and adjectives; conjugation of verbs; case usage; and vocabulary. Students will also learn the rules that govern the language, such as subject/verb agreement. Students will also learn how to translate from Latin to English, using “real Latin” that was written in that era, or “made-up” Latin that is devised to learn the language. Students will also learn to translate from English into Latin. There will be a culture component to the course as well, along with many applications of the language to our ‘world’ today.

Prerequisite: None.

Latin 2*

FOR1006 – 10th-12th Grade – Full Year

The course goal is to continue the student's comprehensive instruction not only in the Latin language and how it works, but also to enhance understanding of the Roman and post-Roman culture in which Latin flourished as an active literary language. This instruction will be within the framework of God's plan of history and how the Roman world served as God's tool for the spread of the Gospel. **Prerequisites:** Latin 1

Latin 3* - *ONLINE COURSE:WELS ALHSO*

FOR1007 – 11th-12th Grade – Full Year

Third year Latin presents a comprehensive review of vocabulary, syntax, grammar and translation. Building on the foundation of Latin 1 and 2, the course provides students with an in-depth experience of Caesar, Catullus, Cicero, Horace, Ovid and Vergil, as well as the Renaissance writer, Erasmus. The students are introduced to “unadapted” Latin literature building their literary skills. Students regularly are required to evaluate the various authors’ writings, ideas and philosophies in the light of God’s Word.

Prerequisites: B or better in Latin 2 (or consent of instructor)

Spanish 1*

FOR1001 – 9th-11th – Full Year

Spanish 1 is an elective year-long course which emphasizes basic vocabulary, grammar, and forms of verbs needed to speak and write simple Spanish sentences. It includes a study of Hispanic and Latino culture. **Prerequisite:** Placement test for 9th graders

Spanish 2*

FOR1002 – 10th/11th/12th Grade – Full year

Spanish 2 is an elective year-long course which emphasizes furthering language skill in vocabulary, grammar, and forms of verbs needed to speak and write Spanish. It includes a study of Hispanic and Latino culture. This course also emphasizes reading, writing and listening skills with a goal of increasing ability in oral Spanish. **Prerequisite:** C or higher in Spanish 1

Spanish 3*

FOR1003 – 11th/12th Grade – Full Year

Spanish 3 is an elective two-semester course which continues grammar, vocabulary and culture. It emphasizes literature, composition and conversation skills with a goal of competence in Spanish communication.

Prerequisite: C or higher in Spanish 2

Spanish 4*

FOR1004 – 12th Grade – Full Year

Spanish 4 is an elective two-semester course which continues grammar, vocabulary and culture. It emphasizes literature, composition and conversation skills with a goal of competence in Spanish communication.

Prerequisite: C or higher in Spanish 3

FINE ARTS

Fine Arts: ART

Advanced Art*

FIN1016– Grades 10-12th – Semester

Advanced Art is a course that teaches students advanced techniques. Students explore various mediums, materials and techniques. The student will be exposed to different cultures through art as both an observer and a creator of visual art. The course includes, but is not limited to, drawing, painting, commercial and graphic design, and sculpture. Compositional solutions are also covered. Real world experiences will be included. Working with a client, learning from constructive criticism, and deadlines will be used. Advanced Art Portfolio-Portfolios include works of art and design, process documentation, and written information about the work presented. **Prerequisite:** 2 semesters of art classes

Illustrator and Photoshop*

FIN1021 – All Grades – Offered during the 2022-23 School Year – SEMESTER 1

Illustrator and Photoshop is a one semester course offered every other year. This introductory course will introduce students to basic digital imaging manipulation skills within vector-based programs. Students will learn the basics of vector programs. They will practice the options of image manipulation. Students will use color theory, visual literacy, and the basic elements and principles of art to create original compositions. Students will develop higher thinking skills through art criticism. **Prerequisite:** Art Introduction

Introduction to Art

FIN1010– All Grades – Semester

Intro to Art is a one-semester course offered each semester. There is no prerequisite for this course. Through experiences in both the fine arts and craft areas, the student will be exposed to projects using a variety of media, materials, and techniques. Instruction in the elements and principles of design will allow each student to analyze and discuss his/her and other's projects. Students will learn about many artists and styles of art in order to teach, encourage, and inspire them in their own artwork. This class is an excellent way to "tryout" the art course offerings. **Prerequisite:** None.

Photography* - Offered in the 2021-2022 School Year

FIN1031 – 10th / 11th / 12th Grade – Semester 1

Students will become familiar with the functions of a digital camera. Students will learn photography history as they study photographers of the past and see how they have influenced what we look at today. They will be able to practice the technical aspects of photography to find their own style while studying the style of others. They will also learn different objectives for taking photos such as; documenting an event, preserving the past, landscapes, portraits. Students will develop higher level thinking through art criticism. Students will use editing software and develop ways of sharing work with others. **Prerequisite:** Art Introduction

Drawing/Painting* - Offered in the 2021- 2022 School Year

FIN1017 – All Grades – Semester 2

Through experiences in drawing and painting, the student will be exposed to projects using a variety of drawing and painting media and techniques. Students will analyze and discuss his/her and other projects using the elements and principles of design. Various artists will be studied concentrating on drawing and painting. Pencil, pen and ink, pastel, marker, and colored pencil will be explored in drawing. Acrylic, oil, tempera, oil pastels, gouache, and watercolor will be explored in painting. The students will be encouraged to expand their artistic abilities, to try new techniques, and explore their own art style. **Prerequisite:** Art Introduction

Mixed Media & Sculpture*

FIN1032 -All Grades – Offered during the 2022-23 School Year

Mixed Media is a one semester course offered every other year. Students will be introduced to a variety of media. The 2020-2021 course will focus on clay and pottery, with a variety of other mediums and techniques. Students will be introduced to artists important in the field in many styles from the classic to the contemporary. Student will be given opportunity to expand their art style with both practice and analysis. **Prerequisite:** Art Introduction

Fine Arts: MUSIC

Advance Music Theory*

MUS1023- Grades 10th -12th -SEMESTER 1

Advanced Music Theory strives to teach the advanced music student how God's marvelous creation of music works through both theory and composition. The ultimate goal is to develop the student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Students will learn to identify all types of scales, chords, intervals, meters, and rhythms; understand and follow the "rules" for composition in standard practice; harmonize a given melody; and analyze compositional techniques used in music.

Prerequisite: Two years of band or choir OR teacher approval

Band*

MUS1005 – All Grades – Full Year

Band is a full-year course open to students with instrumental background. Tone production, balance, and blend are emphasized during daily rehearsal of music from various styles and periods. The band performs in a minimum of five concerts each school year. It also participates in the WSMA Concert Festival. Band members, as soloists or members of an ensemble, participate in the WSMA Solo/Ensemble Festival each year. Students enrolled in band are also members of the marching band. **Prerequisite:** Individual lessons or previous experience on your instrument.

Cantate Choir

MUS1013 – 9th/10th Grade – Full Year

This is a full-year course open to students in the ninth and tenth grades. Vocal fundamentals, along with ensemble choral tone production, balance and blend are emphasized during rehearsals of music from various styles and periods. The choir sings in a minimum of four concerts each school year. The choir members, as soloists or small ensembles, also participate in the WSMA Solo/Ensemble Festival each spring. **Prerequisite:** None.

Concert Choir

MUS1001 –11th-12th Grade – Full Year

Concert Choir is a full-year elective for juniors and seniors (and sophomores in Lancer Singers). Acapella and accompanied choral music of various styles and periods is selected for rehearsal and performance in four major concerts, MLHS Sundays, chapel services throughout the school year. The choir members, as soloists or members of small ensembles, also participate in the WSMA Solo/Ensemble Festival each spring. **Prerequisite:** None.

General Music

MUS1022 – 9th Grade – SEMESTER

General Music is a required one semester course for all new students unless they are already enrolled in a music performance ensemble (Cantate Choir, Concert Choir, or Symphonic Band). This course offers an introduction to the blessings the Lord has given us through music, and seeks to prepare students for life and for eternity through a lifetime of praise and worship. Fundamentals of music theory, music history, and applications to Christian Worship will be explored. **Prerequisite:** None.

Guitar*

MUS1020 - Grades 10th-12th -SEMESTER 2

Guitar is a one-semester elective for sophomores, juniors, or seniors who have successfully completed at least a half credit in a different music class. Students will build background knowledge of the guitar by studying its anatomy and evolution as well different types of guitars and their cultural significance. Students will learn to tune the instrument and pick both open and fretted melodies. Students will also work on basic strum patterns as they examine a variety of musical genres and famous guitarists. **Prerequisite:** 0.5 credit of music

Mathematics Courses

- 3 credits of mathematics are required for graduation from Manitowoc Lutheran High School.
- College bound students choose 3-4 credits from the following to meet admission requirements: Algebra 1, Geometry, Algebra 2, Honors Algebra 2/Trig, Honors PreCalc/Trig, AP Calculus AB, or Statistics (although some colleges may not recognize Statistics as a core math course).
- Students who plan to enroll in a 4 year college and are interested in pursuing a math intensive professional career such as business, finance, actuarial science, accounting, computer science, engineering, data analytics, pre-med and lab sciences, should follow an academic path that will prepare them to take Calculus during their four years at MLHS.
- Students who plan to enroll in a 4 year college and are interested in a non-math intensive professional career such as nursing, teacher, law, English, and fine arts should follow an academic path that will prepare them to take Stats and/or Honors PreCalc/Trig during their four years at MLHS.
- Students who plan to enroll in a trade or technical college or who plan to pursue an apprenticeship in careers such as welding, machinist, construction, etc, should follow an academic path that will prepare them to successfully complete Geometry and/or Algebra 2 during their four years at MLHS.

Grade	General Education	College Preparation	College Preparation	College/ Math Career Preparation
9th	General Math	Pre-Algebra	Algebra 1	Geometry *
10th	Pre-Algebra	Algebra 1	Geometry *	Honors Alg2/Trig
11th	Algebra 1	Geometry * Personal Finance \$	Honors Alg2/Trig Algebra 2 Personal Finance \$	Honors PreCalc/Trig Statistics #
12th	Personal Finance \$ Accounting α Geometry None	Algebra 2 Honors Alg2/Trig Statistics # Personal Finance \$ Accounting α	Honors PreCalc/Trig Statistics # Personal Finance \$ Accounting α	AP Calculus Statistics #

* Geometry can be taken concurrently with Algebra 1, Algebra 2, or Honors Alg2/Trig with Math Department approval

Statistics can be taken concurrently with Honors Alg2/Trig, Honors PreCalc/Trig, or AP Calculus

\$ Personal Finance is a 1 Semester elective course that can be taken concurrently with another math course during 11th or 12th grade.

α Accounting is a 1 Semester elective course that can be taken concurrently with another math course during 11th or 12th grade

MATH

Algebra 1

MAT1003 – All Grades – Full Year

A two-semester course in Algebra designed to give the student a complete foundation in algebraic structure and method. The course covers work in the areas of real numbers, simple and complex equation and problem solving, polynomials, fractions, factoring, graphing, rational and irrational expressions, and quadratic equations and the inequalities. **Prerequisite:** None.

Algebra 2*

MAT1004 – 11th/12th Grade – Full Year

This elective course is designed to give the student an in-depth study of algebraic concepts. The course covers a review of Algebra 1, rational and irrational numbers, radicals, quadratic equations, complex numbers, graphing, exponents, and logarithms. **Prerequisite:** Algebra I and Geometry

AP Calculus AB# ST

MAT2004 – 12th Grade – Full Year

This course is an advanced branch of mathematics that is concerned with limits of function models and with differentiation (slope dy/dx) and integration (area) of the function models and their applications to the functions they model. These topics will help to understand and model some of the wonders of our almighty God's. The course is designed for a full year course in calculus 1 that follows Algebra 1, Geometry, Algebra 2 with Trigonometry, (Precalculus) with functions and analytical geometry, and precedes higher levels of calculus. Students have been given instruction and opportunity for the appropriate use of the TI-84 calculator family in these prerequisites. The objective of this course is to give students the understanding of calculus concepts, related mathematical skills and appropriate technology necessary for success on the Advanced Placement Exam and in subsequent college mathematics courses. The skills and objectives will empower you to model and study physical science, economics, business, engineering, statistics, and many other problem-solving application. **Prerequisite:** B or higher in Pre-Calculus and department approval.

AP Calculus# ^{BC ST} - *ONLINE COURSE:WVS*

MAT2008 – 12th Grade – Full Year

AP Calculus BC is a two-semester course that follows AP Calculus AB. In this course, students study functions, limits, derivatives, integrals, and infinite series. Students write and work with functions represented by written descriptions, mathematical rules, graphs, and tabular data. Students discover how calculus is used to model real-world phenomena by using functions, differential equations, integrals, and graphing technology to solve problems, support solutions, and interpret findings. **Prerequisite:** B or higher in AP Calculus AB

General Math

MAT1001 – All Grades - Full Year

A two-semester course designed to review the basic operations of whole numbers, fractions, decimals, and directed numbers. Problem solving, rates, percents, statistics, and basic geometry are also discussed. If a student takes this course a subsequent year, mathematics life skills will be emphasized. **Prerequisite:** None.

Geometry*

MAT1005 – All Grades – Full year

This two-semester course is designed to help students understand the basic structure of geometry, develop powers of special visualization while building their knowledge of the relationship among geometric elements, and grow in the understanding of the deductive method and appreciate the need for precision of language. Students will also strengthen their algebraic skills, gain some knowledge of the methods of coordinate geometry and the way in which algebra and geometry complement each other, and experience the stimulation and satisfaction that comes from clear and creative thinking. **Prerequisite:** Algebra I or department approval.

Honors Algebra 2 & Trigonometry*

MAT2006 – 10th/11th/12th Grade – Full Year

An honors elective course designed to give the student an in-depth study of algebraic concepts and an introduction to trigonometric functions. This course covers rational and irrational numbers, radicals, quadratic equations, complex numbers, graphing, exponents, logarithms, permutations, combinations, trigonometric functions and identities, polar coordinates, and vectors. **Prerequisite:** Algebra I and Geometry, department recommendation

Honors Pre-Calculus & Trigonometry*

MAT2002 – 11th/12th Grade – Full Year

A two-semester course designed to prepare the student for modern courses in calculus, abstract algebra, and probability. Topics covered are logic, properties of the complete ordered field, mathematical induction sequences and series, algebra of vectors, plane analytical geometry of points and lines, linear and polynomial functions, exponential and logarithmic functions, and circular and trigonometric functions and their properties. **Prerequisite:** Algebra 2/Trig or Algebra 2, department recommendation.

Personal Finance

MAT1022 – 11th/12th Grade – Semester 2

The main focus of this course is to equip students for math in the real world. In this course we cover earning money through careers, purchasing goods and services, traveling, creating an individual and family budget, banking and investments and taxes. **Prerequisite:** None.

Pre-Algebra

MAT1002 – All Grades -Full Year

Pre-Algebra is a two-semester course for students who need additional time to prepare for Algebra I. It reviews fundamentals of mathematics, reviews algebraic concepts previously introduced in other math courses, and introduces new math concepts. Topics covered include the four fundamental math operations, order of operation, fraction, decimals, percents, ratio, proportion, exponents, scientific notation, perimeter, area, volume, solving equations and inequalities, graphing and translating real life problems into mathematical sentences.

Prerequisite: None.

Statistics* ST

MAT1013 – 11th/12th Grade – Full Year

This course is designed to provide the student with a comprehensive treatment of introductory statistics and probability in such areas as business, sociology, ecology, economics, education, medicine, psychology, and mathematics as well as in our everyday life as consumers. Students in these courses must frequently demonstrate a knowledge of the language and methods of statistics.

Methodology and applications have been integrated throughout the course.

Prerequisite: Algebra I and Geometry

SCIENCE

Science: HEALTH & PHYSICAL EDUCATION

Fitness Leadership & Exercise

PHY1005 – 11th/12th Grade – Semester 2

In this course students will acquire the skills and knowledge necessary for a lifetime of fitness, and activity. The focus of the course is providing students with the knowledge and tools to implement and perform fitness plans. The plans will be individually based upon the student's goals. Students will learn how to effectively create and teach fitness activities to others in an interactive setting. Students will use electronic devices to monitor and track their current heart, lung and health levels. This course requires very self-motivated students. Bulk of time will be spent in the weight room, gym, or outside. **Prerequisite:** Physical Education 9 (PE3010) & Physical Education 10 (PE1004)

Health

PHY1002 – 10th Grade – Semester 2

Health is a required semester course for sophomores. The course will teach healthful living from a Christian perspective. The course is designed to promote responsible decision making and provides students with life management skills that encourage them to care for and respect their bodies as temples of the Holy Spirit. **Prerequisite:** None.

Lifetime Sports & Activities

PHY1013 – 11th/12th Grade – Semester 2

In these classes students will acquire the skills and knowledge necessary for a lifetime of fitness, and activity. This course will go through a large variety of sports and activities that are common part of being physically active after high school. This course leans heavier on life skills and games to stay activate into adulthood using a variety of sports and activities. **Prerequisite:** Physical Education 9 (PE3010) & Physical Education 10 (PE1004)

Physical Education 9

PHY3910_152 – 9th Grade – Semester 1

Freshman physical education is an introductory physical education class, which meets Wisconsin Standards for Physical Education. Freshman will be exposed to basic fitness concepts, and weight room introduction. Students will experience a variety of aerobic and anaerobic activities. **Prerequisite:** None.

Physical Education 10*

PHY1004 – 10th Grade – Semester 1

Sophomore physical education will focus on meeting Wisconsin Standards for Physical Education. Students will develop their own personal fitness plan, set goals and track their plan throughout the semester. Students begin class with a unit warm up. Students will participate in the activities of soccer, footie, badminton, pickleball, games with bases, archery, team building activities, and yoga. Physical education students will keep activity journals to track their activities and set and achieve goals. They will keep food journals which will be directly used in Health 10.

Prerequisite: Physical Education 9

Science: SCIENCE

AP Environmental Science# – ONLINE COURSE:WELS ALHSO

SCI2005 – 12th Grade – Full Year

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

Prerequisites: Two years of laboratory science and department approval

Biology

SCI1005 – 10th Grade – Full Year

Biology is a full-year course dealing with life as a gift of God and not a happening of chance. The course combines the lecture-discussion method with scheduled laboratory experiences. The student is encouraged to view his body as a temple of the Holy Spirit and is encouraged to treat it and his environment as wondrous gifts of divine creation. **Prerequisite:** None.

Earth/Space Science*

SCI1006 – 10th/11th/12th Grade – Semester 1

Earth/Space Science is a one-semester elective course which provides a broad survey of the major topics connected to Earth science: geology, oceanography, meteorology, and astronomy. The student is encouraged to view Earth as a wonderful temporary home provided for us by our gracious God. **Prerequisite:** Successful completion of Intro to Chemistry and Intro to Physics.

Environmental Science ST

SCI1014 – 11th/12th Grade – Full Year

Environmental Science is a full-year course designed to help students become better stewards of the creation God has given them. The interactions of plants, animals, and humans in their environments are studied. Concepts are reinforced with application activities, hands-on laboratory experiments, projects, and collaborative research work both online and in the field. The second semester includes an introduction to an individualized Science Technology Engineering and Math (STEM) project and a culminating group STEM project within the campus or local watershed. **Prerequisite:** None.

Honors Advanced Biology*

SCI1017 – 11th/12th Grade – Full Year - Offered during the 2022-23 School Year

Advanced Biology is a full-year course designed to provide a more in-depth study of nature and the wonder of God's gift of life. Topics to be covered are the chemicals of life, cell biology, genetics, biotechnology, a survey of the kingdoms of life with special emphasis on the structure and function of plants and animals, and ecology. The course includes regularly scheduled laboratory experiences, which reinforce and expand on topics presented in lecture. **Prerequisite for 12th graders:** B- or better in Chemistry; **Prerequisite for 11th graders:** Permission from Science department head.

Honors Anatomy & Physiology*

SCI1013 – 11th/12th Grade – Semester 2

Anatomy and Physiology is a one-semester elective course intended particularly for those students who plan to pursue careers in health care and medicine. The anatomy (structure) and physiology (function) of each major organ system in the human body will be covered. Lab activities, including a detailed dissection of a representative mammal, help to reinforce concepts. **Prerequisite:** Successful completion of Biology with a B- or higher

Honors Chemistry* ST

SCI2002 – 11th/12th Grade – Full Year

Chemistry is a full-year laboratory-oriented course in which the composition and properties of substances are investigated, both qualitatively and quantitatively. Topics include chemical formulas, reactions, molar relationships, stoichiometry, atomic structure, periodic properties, bonding, gases, and solutions. Chemistry is a central science, laid in place during creation, and the course is designed to give students a foundational understanding of the matter which makes up their physical and biological surroundings. Concepts are reinforced with simulations and laboratory investigations. Lab investigations are also occasionally used to incorporate Science Technology Engineering and Math (STEM) skills and applications.

Prerequisite: C in Algebra 1

Honors Physics* ST

SCI2001 – 11th/12th Grade – Full Year

Physics is a full-year course which introduces the laws of creation as they apply to the movement of matter through space and time. Topics include motion, force, energy, heat, sound, light and electricity. The course is primarily quantitative and stresses the use of models and mathematical analysis. Concepts are reinforced with simulations and laboratory investigations. Lab investigations frequently incorporate Science Technology Engineering and Math (STEM) skills and applications. **Prerequisite:** C in Algebra 2

Human Anatomy and Physiology I* ^{MLCDC} - *ONLINE COURSE:* **WELS ALHSO**

SCI1023 – 12thGrade - Semester 1

A study of the structure and function of the human body. Integumentary, skeletal, muscular, nervous, cardiovascular, and respiratory systems are covered. **Prerequisites:** B or higher in Biology, C or higher in Chemistry and the student must have successfully passed SCI1013 with a C or higher.

Human Anatomy and Physiology II* ^{DC} - *ONLINE COURSE:* **WELS ALHSO**

SCI1024 -12thGrade - Semester 2

A study of the structure and function of the human body. Blood and the endocrine, lymphatic, digestive, urinary, and reproductive systems of the human organism are covered.

Prerequisites: Completion of SCI2010 Human Anatomy and Physiology I.

Intro to Chemistry

SCI1003 – 9th Grade – Semester 1

This semester course introduces students to the study of the composition and properties of the matter that makes up God’s creation. Students learn to classify, measure, and change matter. The course includes some laboratory/demo sessions in which students can personally investigate concepts. **Prerequisite:** None.

Intro to Physics

SCI1004 – 9th Grade – Semester 2

This semester course introduces students to the motion of matter through space and time within God’s creation. Students learn to model, measure, and predict motion of objects. The course includes some laboratory/demo sessions in which students can personally investigate concepts. **Prerequisite:** None.

Career & Technical Education (CTE)

CTE: BUSINESS

Accounting

BUS1001 – 11th/12th Grade - Semester 1

The aim of the course is to provide an understanding of the flow of a business transaction through the accounting cycle, to teach the necessity for neat and accurate records, and to provide background instruction for advanced study in business administration or accounting. Students will maintain accounting and payroll records as well as learn how to deal with various business principles such as maintaining an inventory and calculating depreciation. **Prerequisite:** None.

Intro to Business

BUS1003 – 9th-11th Grade– Semester

Introduction to Business is a course where the foundational understanding of business is laid. Students will learn the background knowledge they need to have a strong grasp of what is going on in the business world. They will learn about business basics, types of businesses, management strategies, handling employees, marketing and pricing, and running a business. **Prerequisite:** None.

Marketing in the Digital Era*

BUS1016– 11th & 12th Grade – Semester 2

Marketing in the Digital Era will allow students to experience marketing and advertising in the modern era. Students will get an in-depth look in how businesses and brands have shifted over the years from old to new age advertising, and how that affects business success and consumer behavior. Students will get a chance to interact and experience the different ways businesses, churches or schools can interact with consumers online. Students will also be shown the tools they can use to help monitor and identify success in digital marketing. Students will also spend time applying what they learn by attempting to take various brands viral on online platforms. **Prerequisite:** B- or better in Intro to Business

CTE: TECHNOLOGY



AP Computer Science# - ONLINE COURSE: WELS ALHSO

COM2001 – 11th/12th Grade – Full Year

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

Prerequisites: Must have received a B or higher in previous online computer course and completed an MLHS higher level math class

Computer Applications*

COM1002 – All Grades – Semester 1

Computer Applications is a one-semester course required of all freshman students. It is designed so that students understand how to use a laptop PC, and major Microsoft applications like Word, Excel, PowerPoint, & Outlook. Students will also learn how to use a variety of multimedia presentation software that will aid them throughout their high school, college, and work life experiences. The use of the internet, phone apps, and social media in a God-pleasing way will also be addressed. **Prerequisite:** Computer keyboard competency strongly recommended.

Digital Media

COM1005 - Grades 11th/12th - Semester

This is a semester course with emphasis on multimedia and audio and video editing. Software platforms include Premier Pro and Audition. Students will learn the basic parts of the inside of a computer. This course also includes learning about and operating our audio/visual/technical systems in the school. **Prerequisite:** None.

Game Programming – ONLINE COURSE: WELS ALHSO

COM1010 –11th/12th Grade – Semester 2

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

Introduction to Computer Programming - ONLINE COURSE: WELS ALHSO

COM1007–10th/11th/12th Grades– Semester 1

Introduction to Programming is a hands-on introductory computer-programming course. Students will learn the fundamental programming techniques of the Visual Basic language, while setting a foundation for the learning of other programming languages. **Prerequisites:** None, but basic computer knowledge is assumed.

Introduction to Computer Programming 1*^{BDC} -ONLINE

COURSE

COM1007–11th/12th Grades– Semester 1

Introductory course for computer science majors and minors in programming using a high-level language. The emphasis is on problem solving, designing, writing, and executing structured programs.

Introduction to Computer Programming 2*^{BDC} - ONLINE

COURSE

COM1025–11th & 12th Grades– Semester 2

A continuation of COMS103. Advanced programming topics include searching, sorting, data structures, and object-oriented concepts.

Prerequisite: Introduction to Computer Programming 1

Web Page Design – ONLINE COURSE: WELS ALHSO

COM1006 – 10th/11th/12th Grade – Semester 1

Students will learn HTML commands (Hyper Text Markup Language), CSS (Cascading Style Sheets), and Java Script programming languages so they can create effective and responsive web sites. They will also study the principles of professional design to apply them to those sites. **Prerequisite:** None, but basic computer knowledge is assumed.

CTE: Vocational

Agricultural Science - ONLINE COURSE: WELS ALHSO

VOC1065- 9th & 10th Grade- Semester

This course explores the importance of agriscience, agriscience and the environment, plant science, livestock that makeup the American agriculture industry, how technology and agriscience work together, careers in agriscience, and agribusiness management.

Agriscience II – ONLINE COURSE:WELS ALHSO

VOC1066 –10th Grade – Semester

In Agriscience II students will study horticulture and plant science, learn to identify and classify plants, understand plant growth, propagation, and development, study soil science, understand irrigation & watering, fertilization and pest management, landscape science, and plant management. **Prerequisite:** Intro to Agriscience

Construction Trades*

VOC1017 – 10th/11th/12th Grade – Semester 2

This is a one-semester course available to grades 10-12 is designed to introduce the students to the various trade skills that comprise the construction industry. Students enrolled in this course will complete labs and challenges that integrate their knowledge of the material and application to its use in the daily responsibilities of today's skilled trade's person. Upon completion each participant will be able to demonstrate skills that are used in today's building process. The students will learn and practice safe work habits on a daily basis. This course will challenge the student to research, and apply the skilled trades in their community to their daily lives. Upon successful completion of this course students may choose to apply for the Youth Apprenticeship Program during the following school year. Prerequisite: Satisfactory completion of Woods 1.

Foods (as space allows)

VOC1008 – 9th/10th Grade - Semester

Foods is a one-semester course offered during the first and second semester of each year. This course emphasizes nutrition and health, food preparation, trends and technology in foods, and safety and sanitation when preparing foods. Each student will have the opportunity to prepare and evaluate food products. Community service projects will be included. **Prerequisite:** None.

Independent Living

VOC1009–11th/12th Grade – Semester 1

This is a one-semester course. This course is designed to help the young Christian develop knowledge, skills, and confidence in understanding themselves as a child of God, handling stress, safety, citizenship, setting goals, becoming a parent, and working with young children in a Christ-centered atmosphere. Areas of concentration include understanding of self and others, the developing child, childcare and developmental characteristics. By learning how to make informed decisions students can build a solid foundation for life on their own and for their future families or careers. Speakers, case studies, individual and group projects will be interspersed throughout the course. **Prerequisite:** None

Medical Terminology* BDC – ONLINE COURSE

VOC1028 – 11th/12th Grade – Semester

A self-guided study of the prefixes, suffixes, and roots involved in the language of medicine used by healthcare professionals. The course will include real-world examples and case study applications in addition to interest-specific research to aid in application of the terminology in health care settings.

PLTW Aerospace Engineering* ST

VOC1044 – Grade 10th-12th – Full Year

Aerospace Engineering ignites students' learning in the fundamentals of atmospheric and space flight. This course deepens the skills and knowledge of an engineering student within the context of atmospheric and space flight. Students explore the fundamentals of flight in air and space as they bring the concepts to life by designing and testing components related to flight such as an airfoil, propulsion system, and a rocket. They learn orbital mechanics concepts and apply these by creating models using industry-standard software. They also apply aerospace concepts to alternative applications such as a wind turbine and parachute. Students simulate a progression of operations to explore a planet, including creating a map of the terrain with a model satellite and using the map to execute a mission using an autonomous robot. The course is planned for a rigorous pace, building enthusiasm while learning real world skills related to the Aerospace industry is a primary goal of the course.

PLTW Intro to Engineering Design ST

VOC1042 – 9th & 10th GRADES – Full Year

Introduction to Engineering Design (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students, are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process.

Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will develop skill in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. In addition the development of computational methods that are commonly used in engineering problem solving, including statistical analysis and mathematical modeling, are emphasized. Ethical issues related to professional practice and product development are also presented.

Prerequisite: None.

PLTW Principles of Biomedical Science* ST

Offered during the 2021-2022 School Year

VOC1051 -11th/12th Grade – Full Year

This is a Project Lead the Way course. In this full-year course, students investigate concepts of biology and medicine as they explore various health conditions and determine the factors that led to the death of a fictional woman. The activities and projects in the class introduce students to human physiology, basic biology, medicine, and research processes and allow students to design experiments to solve problems. Along the way they develop planning, documentation, communication, and other professional skills. This course is open to juniors and seniors, starting with the 2019-2020 school year, and then every other year thereafter. **Prerequisite:** Successful completion of Biology.

PLTW Principles of Engineering Design* ST

VOC1052- 10th-12th Grades- Full Year

Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology. **Prerequisite:** PLTW Intro to Engineering ST

Woods 1 ST (as space allows)

VOC1012 – 9th-12th Grade – Semester 1

This is a one-semester course available to grades 9-12 is designed to introduce the students to the process of changing a raw material into a finished product. The student will use various hand and power tools along with power equipment to fabricate several projects. The students will learn and practice safe work habits on a daily basis. **Prerequisite:** None.

Woods 2 * ST (as space allows)

VOC1013 – 9th-12th Grade – Semester 2

This is a one-semester course available to grades 10-12 is designed to introduce the students to the process of changing a raw material into a finished product. The student will use various hand and power tools along with power equipment to fabricate several projects. The students will learn and practice safe work habits on a daily basis. **Prerequisite:** C in Woods 1

Youth Apprenticeship*

VOC3004 – 11th/12th Grade – Full Year

The purpose of the Youth Apprenticeship is a school to work program to train students who plan to enter the work-force directly after high school, or who plan to enroll in a technical college or a university in an occupationally-related degree program. The student must be in grade 12 (a few programs allow 11th grade students to enroll) and must maintain a minimum GPA of 2.0 One vocational related elective credit earned per semester for a minimum of three hour/day work experience. If accepted, the student must take a minimum of four classes in addition to Youth Apprenticeship.



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