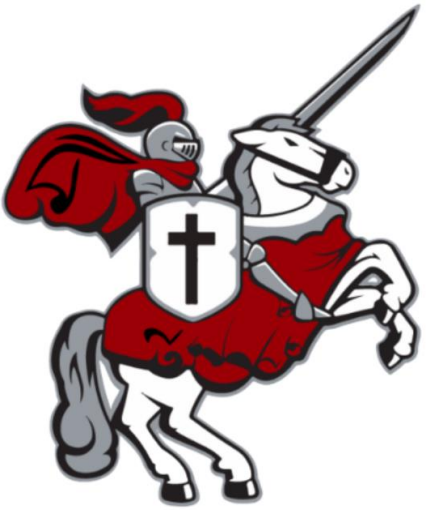
Course of Study

2023-2024



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Notations used in this book

*	Prerequisite required
#	3.2 GPA and/or higher and/or department chair approval required
FY	Full Year Course
SEM	Semester Course
AP	Advanced Placement Course
GC	Grand Canyon University
DC	Dual Credit Courses
ST	S.T.E.M. topics covered
	Online Courses
AGVA	Amazing Grace Virtual Academy
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 many different situations that arise in our school family
Discipline as needed with law, gospel, prayer, and evangelical encouragement
Provide a foundation of life-long study of God's Holy Word
Reach out to those who don't know the pure Word of God when given the opportunity

We use the facilities we have now and plan for later as we…..
Pursue an ambitious Capital Campaign to expand and improve our ministry
Preserve our beautiful campus and facility as good stewards of God's blessings
Provide ample teaching space and 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
Provide for the physical safety of all occupants of the school building

We use the God-given talents of our faculty and staff as we….
Let each student know that they are the objects of God's love and ours
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 blessings and joy of serving the One who has made us His own
Model the value of hard work, cooperation with others, and an effort to improve

We use the wonderful support of our federation as we…
Serve as a model of good ministry and evangelical response to God's grace
Partner with Lakeshore Lutheran Schools in providing a quality, Christ-centered Education
Assist the federation congregations and schools in their own ministries
Demonstrate that MLHS is a God-pleasing option to prospective students near and far
Maintain and make known an updated master site plan

We use our broad-based programs of study as we…..
Partner with parents in providing a quality Christ-centered education
Give each student a foundation that will allow them to succeed as God blesses them
Give attention to individual interests, needs, and strengths
Prepare, develop, and enhance students well for post-secondary education, the work force, and military service
Offer training and encouragement for the public ministry

We use our diverse extracurricular programs as we…..
Give each students the opportunity to learn valuable life skill outside the classroom
Allow students to discover, develop, and display the God-given talents they possess
Provide ample opportunities in athletics, fine arts, clubs, and service groups
Encourage the development of Christian leadership skills
Teach the importance of good sportsmanship, teamwork, and being good examples
Teach the value of healthy competition
Provide entertainment and edification for those who see us in action
Promote God-pleasing school pride

MLHS VISION

By 2026, Manitowoc Lutheran High School will continue to use the gifts God gives his people to serve as a light in the Manitowoc area, to model the ministry of an area Lutheran high school and be a trusted program that reaches out to prospective families at home and abroad.

Considerations

- All students will be required to take at least 7 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 7th 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 member of Amazing Grace Virtual Academy (AGVA). These courses are taught by WELS' teachers, pastors, or members that are approved by the AGVA 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. Online classes are only available to 11th and 12th grade students. 10th grade students may take an online class pending administration approval.

5. MLHS will include online course offerings approved by the academic committee in our course of study booklet. All online classes will be an additional $300 charge towards tuition.

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.

Expenses & Fees

- <u>The $300 online course costs will be the responsibility of the student and will be charged to TADS during the course.</u>
- Students that drop the course in the normal add/drop time will receive a full refund. Drops after the normal add/drop time will not receive a refund.
- <u>Textbooks, software and other expenses are not covered</u>

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 eight total class hours between courses offered at MLHS, study halls, and online courses without permission from administration. Each online course will be taken during a study hall. Students may not take two study halls in any given semester. Students taking two online courses also cannot take a study hall. (Examples: 8 MLHS, 7 MLHS + 1 Online, 7 MLHS + 1 SH, 6 MLHS + 2 Online, 6 MLHS + 1 Online + 1 SH)

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. AGVA (**Amazing Grace Virtual Academy**) 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/or 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 (12^{th} grade will be given priority, 11^{th} grade will be for those interested in the trades or Ag fields)
2. No more than 10% of the student body will be allowed in YA each year.
3. One elective credit must be earned per semester that matches with the YA program; every attempt will be made to make one of the MLHS courses available.
4. Students interested will first need to apply to MLHS (during the course registration period) and meet certain criteria including having a 2.5 GPA, not having a history of being on the missing work or late work lists and be recommended by a teacher.
5. If accepted, the student must take a minimum of four classes in addition to Youth Apprenticeship and maintain a GPA of 2.0.
6. The time away from school may be either hours 1-3 or 6-8 depending on the employer. Different arrangements can be made with consultation with MLHS.
7. A student is required to attend the Youth Apprenticeship Coordinator meeting before being accepted into the YA program
8. MLHS will cover high school credit only as part of the YA program. Dual credit courses will be charged to the family.

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 $18 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	.5
10 Year	Physical Education 10	.5
11/12 Semester	Fitness Leadership & Exercise	.5
	or	
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	Required Course Names
Theology	4.0	Old Testament, Life of Christ, 11-12th options
English	4.0	English 9, Speech, Composition, American Literature, and one additional English Credit
Social Studies	3.0	Geography, World History, American History or AP US History, American Government
Mathematics	3.0	3 Math Courses
Science	3.0	Intro to Chemistry, Intro to Physics, Biology, and one additional credit of science
World Languages	0.0	
Physical Education	1.5	Physical Education 9, Physical Education 10, and one additional Junior Senior Physical Education elective
Health	0.5	Health
Fine Arts	1.0	With Music making up at least 0.5 of the 1.0 required credit
Personal Finance	0.5	Taken senior year
General Electives	4.5	See elective listings
Total	25	

Most 4-year College Entrance Requirements

Course Type	Credits Required
Theology	0.0
English	4.0
Social Studies	3.0
Mathematics	3.0-4.0
Science	3.0
World Languages	2.0-3.0
Physical Education	0.0
Computer	0.0
Health	0.0
Music	0.0
General Electives	2.0

FRESHMAN COURSE OFFERINGS

Required Courses

Course Name	Course Number	Credit Type	Term	Credit
THEOLOGY *(Determined by Dept. Head)*				
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 *(1.0 Credit Required and 0.5 credit must be a Music Course)*				
Art Introduction	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
Math *(one of the math courses below - Determined by Department Head)*				
Algebra 1	MAT1003	MAT	FY	1.0
Geometry* *(placement test)*	MAT1005	MAT	FY	1.0
Pre-Algebra	MAT1002	MAT	FY	1.0
SCIENCE				
Intro to Chemistry	SCI1003	SCI	SEM1	0.5
Intro to Physics	SCI1004	SCI	SEM2	0.5
PHYSICAL EDUCATION				
Physical Education 9	PHY1013	PHY	SEM1	0.5

Freshman Elective Courses

(You must have a minimum of 7 classes per day)

Course Name	Course Number	Credit Type	Term	Credit
COMMUNICATION ARTS				
English as a Second Language	ENG1009	ENG	FY	1.0
Latin 1	FOR1005	FOR	FY	1.0
Spanish 1	FOR1001	FOR	FY	1.0
FINE ARTS				
Art Introduction	FIN1010	FIN	SEM	0.5
Digital Art*	FIN1021	FIN	SEM2	0.5
Drawing & Painting *	FIN1017	FIN	SEM2	0.5
Band*	MUS1005	MUS	FY	1.0
Cantate Choir	MUS1013	MUS	FY	1.0
General Music	MUS1022	MUS	SEM	0.5
CAREER & TECHNICAL EDUCATION (CTE)				
Intro to Business	BUS1003	SOC	SEM	0.5
Foods	VOC1008	VOC	SEM	0.5
Intro to Agriscience	VOC1076	VOC	SEM1	0.5
PLTW Intro to Engineering Design ST	VOC1042	VOC	FY	1.0
Woods 1	VOC1012	VOC	SEM1	0.5
Woods 2	VOC1013	VOC	SEM2	0.5

SOPHOMORE COURSE OFFERINGS

Required Courses

Course Name	Course Number	Credit Type	Term	Credit
THEOLOGY (Determined by Dept. Head)				
Old Testament	REL1001	REL	FY	1.0
Bible Information Class	REL1013	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				
Biology	SCI1005	SCI	FY	1.0
PHYSICAL EDUCATION/HEALTH				
Health	PHY1002	PHY	SEM1	0.5
Physical Education 10	PHY1004	PHY	SEM2	0.5

Sophomore Elective Courses

(You must have a minimum of 7 classes per day)

Course Name	Course Number	Credit Type	Term	Credit
COMMUNICATION ARTS				
English as a Second Language	ENG1009	ENG	FY	1.0
English as a Second Language 2*	ENG1022	ENG	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
Art Introduction	FIN1010	FIN	SEM	0.5
Digital Art*	FIN1021	FIN	SEM2	0.5
Mixed Media & Sculpture*	FIN1032	FIN	SEM1	0.5
Photography*	FIN1031	FIN	SEM1	0.5
Drawing and Painting*	FIN1032	FIN	SEM2	0.5
Band*	MUS1005	MUS	FY	1.0

	Cantate Choir	MUS1013	MUS	FY	1.0
	Guitar	MUS1020	MUS	SEM2	0.5
	Advanced Music Theory*	MUS1023	MUS	SEM2	0.5

SCIENCE

	Earth/Space Science*	SCI1006	SCI	SEM1	0.5

CAREER & TECHNICAL EDUCATION (CTE)

	Intro to Business	BUS1003	SOC	SEM	0.5
	Construction Trades*	VOC1017	VOC	SEM	0.5
	Foods	VOC1008	VOC	SEM	0.5
	Intro to Agriscience	VOC1076	VOC	SEM1	0.5
	PLTW Intro to Engineering Design ST	VOC1042	VOC	FY	1.0
	PLTW Aerospace Engineering* ST	VOC1044	VOC	FY	1.0
	Woods 1	VOC1012	VOC	SEM1	0.5
	Woods 2*	VOC1013	VOC	SEM2	0.5

JUNIOR COURSE OFFERINGS

Required Courses

Course Name	Course Number	Credit Type	Term	Credit
THEOLOGY (Must pick at least 1 each SEM)				
Suggested				
Theology of the Cross	REL1044	REL	SEM1	0.5
Missionary Journeys	REL1040	REL	SEM2	0.5
Other Options				
Deeper Dive into Doctrine	REL1041	REL	SEM2	0.5
Lutheran Worship, Music and the Arts	REL1042	REL	SEM2	0.5
Contemporary Congregational Concerns	REL1039	REL	SEM1	0.5
Our Lutheran Heritage	REL1043	REL	SEM1	0.5
Bible Information Class*	REL1013	REL	FY	1.0
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)				
Algebra 1	MAT1003	MAT	FY	1.0
Algebra 2*	MAT1004	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
Statistics*ST	MAT1013	MAT	SEM	0.5
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.)

Course Name	Course Number	Credit Type	Term	Credit
SOCIAL STUDIES				
Criminology WVS	SOC1032	SOC	SEM	0.5
Current Issues	SOC1058	SOC	SEM2	0.5
Economics	SOC1005	SOC	SEM2	0.5
Intro to Psychology	SOC1016	SOC	SEM	0.5
World Regional GeographyDC AGVS	SOC1008	SOC	FY	1.0
COMMUNICATION ARTS				
Creative Writing AGVA	ENG1019	ENG	SEM2	0.5

	Sci. Fi. /Fantasy (SF) Literature AGVA	ENG1053	ENG	SEM1	0.5
	German 1 AGVA	FOR1009	FOR	FY	1.0
	German 2* AGVA	FOR1010	FOR	FY	1.0
	Latin 1	FOR1005	FOR	FY	1.0
	Latin 2*	FOR1006	FOR	FY	1.0
	Latin 3* AGVA	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
PHYSICAL EDUCATION					
	Fitness Leadership & Exercise	PHY1005	PHY	SEM2	0.5
	Lifetime Sports & Activities	PHY1013	PHY	SEM2	0.5
FINE ARTS					
	Advanced Art*	FIN1016	FIN	SEM2	0.5
	Art Introduction	FIN1010	FIN	SEM	0.5
	Digital Art*	FIN1021	FIN	SEM2	0.5
	Mixed Media & Sculpture*	FIN1032	FIN	SEM1	0.5
	Photography*	FIN1031	FIN	SEM1	0.5
	Drawing and Painting*	FIN1017	FIN	SEM2	0.5
	Band*	MUS1005	MUS	FY	1.0
	Concert Choir	MUS1001	MUS	FY	1.0
	Guitar*	MUS1020	MUS	SEM2	0.5
	Advanced Music Theory*	MUS1023	MUS	SEM1	0.5
SCIENCE					
	Earth/Space Science*	SCI1006	SCI	SEM1	0.5
	Environmental Science ST	SCI1014	SCI	FY	1.0
	PLTW Biomedical Science	VOC1051	SCI	FY	1.0
	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
	Digital Media	COM1005	COM	SEM	0.5
	Game Programming* AGVA	COM1010	COM	SEM2	0.5
	Introduction to Programming AGVA	COM1007	COM	SEM1	0.5
	Web Page Design AGVA	COM1006	COM	SEM1	0.5
	Agriscience I* WVS	VOC1065	VOC	SEM	0.5
	Agriscience II* WVS	VOC1066	VOC	SEM	0.5
	Construction Trades*	VOC1017	VOC	SEM	0.5
	Independent Living	VOC1009	VOC	SEM1	0.5
	Medical Terminology WVS	VOC1028	VOC	SEM	0.5
	PLTW Aerospace Engineering *ST	VOC1044	VOC	FY	1.0
	Woods 1	VOC1012	VOC	SEM1	0.5
	Woods 2*	VOC1013	VOC	SEM2	0.5
	Youth Apprenticeship (Ag or Trades only)*	VOC3004	VOC	SEM	

SENIOR COURSE OFFERINGS

Required Courses

Course Name	Course Number	Credit Type	Term	Credit
THEOLOGY (Must pick at least 1 each sem)				
Suggested				
Apologetics	REL1028	REL	SEM1	0.5
Christian Life Planning	REL1038	REL	SEM2	0.5
Other Options				
Contemporary Congregational Concerns	REL1039	REL	SEM1	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	SEM2	0.5
Our Lutheran Heritage	REL1043	REL	SEM1	0.5
Theology of the Cross	REL1044	REL	SEM1	0.5
Bible Information Class 1*	REL1013	REL	FY	1.0
COMMUNICATION ARTS (Determined by Dept. Head)				
AP English: Lang. & Comp.#	ENG2007	ENG	FY	1.0
British Literature	ENG1008	ENG	FY	1.0
SOCIAL STUDIES				
American Government	SOC1004	SOC	SEM	0.5
REQUIRED COURSE				
Personal Finance	MAT1022	VOC	SEM	0.5

Senior Elective Courses

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

Course Name	Course Number	Credit Type	Term	Credit
SOCIAL STUDIES				
Criminology WVS	SOC1032	SOC	SEM	0.5
Current Issues	SOC1058	SOC	SEM2	0.5
Economics	SOC1005	SOC	SEM2	0.5
General Psychology*GC DC	SOC1043	SOC	SEM	0.5
Intro to Psychology	SOC1016	SOC	SEM	0.5
Intro to Economics* GC DC	SOC1064	SOC	SEM	0.5
World Regional Geography AGVA	SOC1008	SOC	FY	1.0
Am. Govt & Politics*GCDC	SOC1061	SOC	SEM	0.5
Intro to Comparative Gov't & Int'l Politics*GCDC	SOC1062	SOC	SEM	0.5
World History Themes*GCDC	SOC1063	SOC	SEM	0.5

COMMUNICATION ARTS

💻	Creative Writing AGVS	ENG1019	ENG	SEM2	0.5
	English as a Second Language 4	ENG1027	ENG	SEM1	0.5
💻	Sci. Fi. /Fantasy (SF) Literature AGVS	ENG1053	ENG	SEM1	0.5
💻	English Comp I GCDC	ENG1006	ENG	SEM	0.5
💻	English Comp 2 GCDC	ENG1016	END	SEM	0.5
💻	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 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
	Art Introduction	FIN1010	FIN	SEM	0.5
	Digital Art*	FIN1021	FIN	SEM2	0.5
	Mixed Media and Sculpture*	MUS1023	FIN	SEM1	0.5
	Photography*	FIN1031	FIN	SEM1	0.5
	Drawing and Painting*	FIN1017	FIN	SEM2	0.5
	Band*	MUS1005	MUS	FY	1.0
	Concert Choir	MUS1001	MUS	FY	1.0
	Guitar*	MUS1020	MUS	SEM2	0.5
	Advanced Music Theory*	MUS1023	MUS	SEM1	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
	College Mathematics *GC DC	MAT1037	MAT		
	Geometry*	MAT1005	MAT	FY	1.0
	Honors Algebra 2 & Trig.*	MAT2006	MAT	FY	1.0
	Honors Pre-Calculus & Trig.*	MAT2002	MAT	FY	1.0
	Statistics*ST	MAT1013	MAT	SEM	0.5

PHYSICAL EDUCATION

	Fitness Leadership & Exercise	PHY1005	PHY	SEM2	0.5
	Lifetime Sports & Activities	PHY1013	PHY	SEM2	0.5

SCIENCE

	Earth/Space Science*	SCI1006	SCI	SEM1	0.5
	Environmental Science ST	SCI1014	SCI	FY	1.0
	PLTW Biomedical Science*	VOC1051	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 w/lab* GCDC	SCI1023	SCI	SEM1	0.5
	Human Anatomy & Physiology II w/lab * GCDC	SCI1024	SCI	SEM2	0.5
	Intro to Organic & Biochemistry w/lab* GCDC	SCI1035	SCI	SEM	0.5
	General Biology 1 & Lab GCDC	SCI1036	SCI	SEM 1	0.5
	General Biology 2 & Lab GCDC	SCI1037	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 # AGVS	COM2001	COM	FY	1.0
	Digital Media	COM1005	COM	SEM	0.5
	Game Programming* AGVS	COM1010	COM	SEM2	0.5
	Introduction to Programming AGVS	COM1007	COM	SEM1	0.5
	Web Page Design AGVS	COM1006	COM	SEM1	0.5
	Agriscience I* WVS	VOC1065	VOC	SEM	0.5
	Agriscience II* WVS	VOC1066	VOC	SEM	0.5
	Construction Trades*	VOC1017	VOC	SEM	0.5
	Independent Living	VOC1009	VOC	SEM1	0.5
	Independent Study*	VOC1067	VOC	SEM	0.5
	Medical Terminology WVS	VOC1028	VOC	SEM	0.5
	Intro to Sports Management* GCDC	VOC1085	VOC	SEM	0.5
	PLTW Aerospace Engineering* ST	VOC1044	VOC	FY	1.0
	Woods 1 ST	VOC1012	VOC	SEM1	0.5
	Woods 2* ST	VOC1013	VOC	SEM2	0.5
	Youth Apprenticeship*	VOC3004	VOC	SEM	

COURSE DESCRIPTIONS

THEOLOGY

Apologetics

REL1028

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.

Bible Information Class 1 (BIC)

REL1013

BIC 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. At first, the content of the Bible is studied through the four key concepts of Sin, Grace, Faith, and Works. Next, there is an emphasis on what the Bible teaches about God and the Sacraments. Later, emphasis will be given to important historical events in the Bible. Lastly, the church and Lutheranism will be studied and covered by way of Bible passages and supplemental material geared towards this particular audience. The Apostles' Creed will be a primary source.

Christian Life Planning

REL1038

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.

Contemporary Congregational Concerns

REL1039

This class will explore issues that become concerns for many of our 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.

Deeper Dive into Doctrine

REL1041

Beginning with Paul's letter to the Romans, this class 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.

Life of Christ

REL1018

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.

Lutheran Worship, Music and the Arts

REL1042

The Lutheran Church has a rich treasure of worship, music and art. This is a gift from our gracious Lord that we seek to treasure and truly appreciated. This one-semester course will explore a deeper understanding of the theology of the cross that is present in Lutheran Worship, incorporated by Lutheran composers, and present in the art that has been created by Lutheran artists over the past 500+ years. Our goal is to gain an understanding and appreciation for these blessings God has given us and to learn how to use those gifts in service to our Redeemer.

Missionary Journeys

REL1040

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.

Old Testament

REL1001

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 and "We Are Family" will be learned.

Our Lutheran Heritage

REL1043

A study of history of Lutheranism provides us with a rich understanding of the blessings God has provided for His people. This one-semester course will be an overview of the beginnings of the early Christian church and will proceed through the history of the Lutheran church (before, during and after the Lutheran Reformation). It will also incorporate the history of the WELS and MLHS as well a thorough survey of the Lutheran Confessions and what makes us uniquely Lutheran as Bible believing Christians.

Theology of the Cross

REL1044

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.

SOCIAL STUDIES

American Government

SOC1004

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 Government and Politics * GC DC

SOC1061

This course is an introduction to American government and politics. It covers the constitutional foundations and governing institutions of the federal government. Throughout the course, students address common political themes, such as the nature and scope of governance, democracy, citizenship, and patterns of political behavior. **Prerequisite:** Am. Gov't

American History

SOC1003

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.

AP US History

SOC2008

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 3.2 or higher and/or instructor approval.

💻Criminology- WVS

SOC1032

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 Issues

SOC1058

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.

Economics

SOC1005

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.

💻General Psychology* GC DC

SOC1043

This foundation course in the science of behavior includes an overview of the history of psychology, the brain, motivation, emotion, sensory functions, perception, intelligence, gender and sexuality, social psychology, human development, learning psychopathology, and therapy.
4 Credit Class. **Prerequisite:** Intro to Psychology

Geography

SOC1031

Geography outlines the major regions of our world and takes a closer look at each region's countries, states, and major cities. Students will study natural landforms, man-made landmarks, cultural practices, and issues that are unique to each region while developing reading, writing, and thinking skills. A special emphasis will be placed on understanding various cultures so that Christians might be equipped to share the gospel with all nations.

Intro to Comparative Government and International Politics GC DC#

SOC1062

This course compares and contrasts various systems of government in Western and non-Western countries and explores political and diplomatic processes and how they affect international relations, nations, and localities.

Intro to Economics GC DC*

SOC1064

The course covers microeconomic topics, macroeconomic topics, and international economics topics. Microeconomic topics include the nature and method of economics, supply and demand, utility, and supply and demand elasticities. Macroeconomic topics include the measurement of national output, factors that impact output, other means of measuring national wealth and economic well-being, unemployment, inflation, GDP accounting, and business cycles. While the focus of this course is primarily on the U.S. economy, some comparative economic analysis will be covered. In addition, select topics related to international trade and finance are introduced. Please be aware that this course carries a noticeably higher academic intensity and rigor. **Prerequisite:** Economics

Introduction to Psychology

SOC1016

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.

World History Themes GC DC*

SOC1063

This course provides an overview of the principal political, economic, and cultural, themes that shaped the United States from the Colonial period into the 20th century. **Prerequisite:** World History

World Regional Geography*- AGVA DC

SOC1008

World Regional Geography (WRG) is a dual credit course designed to provide three (3) college credits, for students planning on attending Martin Luther College (SSC3210). World Regional Geography (WRG) is an in-depth study of the world's major geographic regions from a spatial and global pattern perspective. Each geographic region's physiographic and cultural landscapes are explored using systematic geographic concepts. Extensive reading and writing are part of the course. Course Overview: This course examines the rich diversity of human life across the world and humanizes geographic issues by examining the daily lives of the people living within the various regions of the globe. The course's information will be presented through nine thematic concepts – Population, Gender, Development, Food, Urbanization, Globalization, Power and Politics, Water, and Climate Change – and five geographic themes – Place, Location, Region, Movement, and Human-Environmental Interaction. **Prerequisite:** Geography

World History

SOC1010

World History outlines the history of our world from creation to the present day. Students will study major historical events & people while developing reading, writing, and thinking skills. 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

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 trace the development and achievements of American Literature from indigenous tribes to contemporary authors.

AP Language & Composition

ENG2007

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.

British Literature

ENG1008

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.

Composition

ENG1006

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 – *AGVA#*

ENG1019

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. Juniors and seniors who meet the prerequisite and whose career goals require polished writing skills should take this course.

English 9

ENG1001

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 by writing sentences with various structure and purpose, creating various types of paragraphs, original poetry, an original short story, and an informative five-paragraph essay.

English As A Second Language 1

ENG1009

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 solve problems in their new surroundings; and how to handle teacher, school, and host family expectations. Basic grammar comprehension is one goal of this course. It is reinforced through reading and writing exercises. Vocabulary development is also a 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

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 4

ENG1027

This 1st Semester course is designed to assist Grade 12 International Students on their paths to college readiness. Students will review skills and techniques used to take the TOEFL and ACT standardized exams. Students may also want to take the SAT exam though this exam is not a focus. Additionally, students will focus on their college applications including The Common Application. Students will work to expand their essay writing skills, perform college and career research, and explore career interests and skills. Students will research college terminology and majors. They will also work on resume writing and interview skills. Furthermore, students will improve their conversational and independent living skills. They will lead and direct discussion on social issues, explore community and civic services, and find God's purpose in their lives and in the lives of others. Prerequisite: Students are required to have an efficient knowledge of the English language.

English Composition I GC DC*

ENG1006

This is a course in writing academic prose, including various types of essays, arguments, and constructions. A writing-intensive course. **Prerequisite:** English Composition

English Composition II *GC DC

ENG1016

This course explores various types of research writing, with a focus on constructing essays, arguments, and research reports based on primary and secondary sources. A writing-intensive course. **Prerequisites**: English Comp 1

Sci Fi/Fantasy Literature AGVA

ENG1053

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 criticism, and build an appreciation for the creative capacity of SF authors by delving into examples of SF literature such as *Fahrenheit 451, A Hitchhiker's Guide to the Galaxy, A Curious Case of Benjamin Button, 1984,* and one of the three *The Hunger Games, Neverwhere,* or *Frankenstein.*

Speech

ENG1005
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.

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

💻German 1*-*AGVA*

FOR1009
German I is a beginning course intended to introduce the student to the language as well as the culture of German speaking countries. Connections will also be made to the German Lutheran heritage in our schools. The student will develop listening, speaking, reading, and writing skills through a variety of activities that are based on authentic media and activities.

💻German 2*-AGVA

FOR1010
German 2 is a second-year course intended to continue the student to the language as well as the culture of German speaking countries. Connections will also be made to the German Lutheran heritage in our schools. The student will develop listening, speaking, reading, and writing skills through a variety of activities that are based on authentic media and activities. **Prerequisite**: German I

💻German 3*-AGVA

FOR1011
German 3 is a third-year course intended to continue the student to the language as well as the culture of German speaking countries. Connections will also be made to the German Lutheran heritage in our schools. The student will develop listening, speaking, reading, and writing skills through a variety of activities that are based on authentic media and activities. **Prerequisite:** German 2

💻German 4*-AGVA

FOR1012

The major objective of the course is to teach students the basic components of an inflected language. This objective is met by teaching the four skills of language learning: reading comprehension, writing, speaking comprehension, and speaking. Grammar and vocabulary are also taught. The student will develop a cumulative vocabulary of approximately 3,000 words **Prerequisite**: German 3

Latin 1

FOR1005

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. Students will do a “project” each semester that involves Latin usage in a particular modern arena.

Latin 3* - *AGVA*

FOR1007

Continuation of Latin 1 and 2. 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. **Prerequisite:** Latin 1, 2 (with "B" or better, or Instructor's permission)

Spanish 1

FOR1001

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:** C in English

Spanish 2

FOR1002

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
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
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
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

Art Introduction
FIN1010
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..

Digital Art*

FIN1021 Digital Arts is a one semester course. 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.

Drawing/Painting*

FIN1017

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 and Sculpture*

FIN1032

Students will be introduced to a variety of media. Clay and pottery will be available on a limited scale. 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

Photography*

FIN1031

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

Fine Arts: MUSIC

Advance Music Theory*

MUS1023

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

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

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.

Concert Choir

MUS1001

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 and chapel services throughout the school year. Within the choral rehearsal students also explore the various genres of music and learn music theory to aid in the performance of the musical pieces. The choir members, as soloists or members of small ensembles, also participate in the WSMA Solo/Ensemble Festival each spring.

General Music

MUS1022

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.

Guitar*

MUS1020

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

Music Performance*

MUS1027

Throughout history, musical performance has reflected a society's cultural achievements, rituals, and entertainment. Through class discussion, guided listening, and required attendance at concerts, students examine historically important forms and techniques of the music of Western civilization. This class introduces various musical instruments and basic performance techniques to help students develop an understanding of what is involved in a musical performance. This course also emphasizes critical listening skills required to discern important elements of musical composition and develop an appreciation of music as an art, not just as entertainment. **Prerequisite:** 0.5 credit of music

Music Technology

MUS1015 Not offered during 2023-2024 School Year

Music Technology is a music course for the student who desires a course that focuses on creating, arranging, and publishing digital music. This class will explore the wonderful gift that God has given us in both music and technology. Students will review the building blocks of musical language including notation, rhythm, style, and form. They will then use these building blocks to create, arrange, edit, mix, and publish music in a digital format. **Prerequisite:** Two years of band or choir OR teacher approval

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	Pre-Algebra	Pre-Algebra	Algebra 1	Geometry *
10th	Pre-Algebra	Algebra 1	Geometry *	Honors Alg2/Trig
11th	Algebra 1	Geometry *	Honors Alg2/Trig Algebra 2	Honors PreCalc/Trig Statistics #
12th	Accounting α Geometry None	Algebra 2 Honors Alg2/Trig Statistics # Accounting α	Honors PreCalc/Trig Statistics # 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_

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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

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.

Algebra 2*

MAT1004

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

Calculus: 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 applications.

AP Calculus BC ST - *WVS*

MAT2008

This course is the equivalent of an introductory college-level calculus course. In this course, students study functions, limits, derivatives, integrals, and infinite series. Calculus helps scientists, engineers, and financial analysts understand the complex relationships behind real-world phenomena. Students learn to evaluate the soundness of proposed solutions and apply mathematical reasoning to real-world models. Students also learn to understand change geometrically and visually (by studying graphs of curves), analytically (by studying and working with mathematical formulas), numerically (by seeing patterns in sets of numbers), and verbally. Students prepare for the AP Exam and further studies in science, engineering, and mathematics. AP Calculus BC requires use of a graphing calculator.

College Mathematics GC DC *

MAT1037

The course covers mathematics that matter in modern society. Key areas of focus include financial literacy, numerically-based decision making, growth, scale, and numerical applications. The course applies basic college-level mathematics to real-life problems and is appropriate for students whose majors do not require college algebra or higher. **Prerequisite: Alg 2. Trig**

Geometry*

MAT1005

This two-semester course is designed to help students understand the basic structure of geometry, develop 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. **Prerequisite:** Algebra I or department approval.

Honors Algebra 2 & Trigonometry*

MAT2006

An honors elective course designed to give the student and 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

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 and department recommendation.

Pre-Algebra

MAT1002

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.

Statistics* ST

MAT1013

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

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 also use electronic devices to monitor and track their current heart, lung and overall health levels. This course requires very self-motivated students. Bulk of time will be spent in the weight room, gym, or outside.

Health

PHY1002

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.

Lifetime Sports & Activities

PHY1013

In this class 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.

Physical Education 9

PHY1003 – 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.

Physical Education 10*

PHY1004

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.

Science: SCIENCE

AP Environmental Science# *–AGVA*

SCI2005

Environmental Science is an overview of components of ecosystems, including energy flow and the structure and dynamics of populations and communities. The student will study the processes that affect natural environments, examine the impact of human activities on ecosystems, and discuss current environmental issues. **Prerequisite:** Environmental Science

Biology

SCI1005

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.

Earth/Space Science*

SCI1006

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 a lab science.

Environmental Science

SCI1014

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.

General Biology I with Lab GC DC

SCI1036

This course is a study of biological concepts emphasizing the interplay of structure and function, particularly at the molecular and cellular levels of organization. Cell components and their duties are investigated, as well as the locations of cellular functions within the cell. The importance of the membrane is studied, particularly its roles in controlling movement of ions and molecules and in energy production. The effect of genetic information on the cell is followed through the pathway from DNA to RNA to protein. The lab portion is designed to reinforce principles learned in Biology I through experiments and activities which complement and enhance understanding of macromolecules, cell membrane properties, cellular components, and their contribution to cell structure and function. Assignments are designed to relate cellular processes such as metabolism, cell division, and the flow of genetic information to cell structure.
Prerequisite: Biology

General Biology II with Lab *GC DC

SCI1037

This course is a study of biological concepts emphasizing the interplay of structure and function at the molecular, cellular, and organismal levels of organization. Relationships of different life forms are studied, noting characteristics and general lifecycles of the different types of organisms, including bacteria, archaea, and eukaryotes. Plant structure, function, and reproduction are studied, as well as photosynthesis and plant nutrition. Ecological principles are discussed, including organism interactions at the various ecological levels. Principles of conservation are introduced. The lab portion is designed to reinforce principles learned in Biology II. Organisms are examined to recognize similarities and differences among different types. Plant structure and processes, including photosynthesis and water transport, are investigated through observation and activities. Concepts of ecology are explored through study of species interactions projects and other activities. **Prerequisite:** Biology I with Lab

Honors Advanced Biology*

SCI1017 Not Offered during the 2023-2024 School Year

Honors 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: B- for both semesters in Honors Chemistry (SCI2002)**

Honors Anatomy & Physiology*

SCI1013

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

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 (Recommend at least B average in Algebra & Biology)

Honors Physics* ST

SCI2001

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:** Recommend at least B average in Alg 2 & all prior math

💻Human Anatomy and Physiology I with Lab GCDC

SCI1023

This course is the first of a two-course sequence examining the structure and function of the human body and mechanisms for maintaining homeostasis within it. This portion includes the study of cells; tissues; genetics; and the integumentary, skeletal, muscular, and nervous systems. The lab portion involves a study of the gross anatomy and functions of the skeletal, muscular, and nervous systems. This experiential lab involves gaining basic knowledge of the use of human cadavers, animal demonstrations, and computer-assisted instruction. **Prerequisites:** Honors Anatomy & Phys.

💻Human Anatomy and Physiology II with Lab* GCDC

SCI1024

This course is the second of a two-course sequence examining the structure and function of the human body and mechanisms for maintaining homeostasis within it. This portion includes the study of immunity; metabolism; energetics; fluid, electrolyte and acid-base balance; and the endocrine, hematologic, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. The lab portion is a study of the gross anatomy and functions of the endocrine, cardiovascular, respiratory, digestive, renal, and reproductive systems. The experiential lab involves an advanced exploration of concepts using human cadavers, animal demonstrations, and computer-assisted instruction.

Prerequisites**:** Human Anatomy & Phys. 1 with Lab

Intro to General, Organic and Biochemistry with Lab *GC

SCI1035

An introduction to the principles of chemistry; designed for students without a strong background in science. Topics covered include a survey of the chemical and physical properties of elements and compounds, chemical reactions, chemical energetics, acids and bases, and chemical bonding. An introduction to organic and biochemistry emphasizes the relationship between molecular structure and function. Plus, students learn basic lab techniques related to general and organic chemistry, building upon and strengthening foundational knowledge such as stoichiometry and reaction types. Additionally, some topics are addressed from a biochemical standpoint to highlight application to daily living. **Prerequisite**: Honors Chemistry

Intro to Chemistry

SCI1003

Intro to Chemistry is a one semester course that introduces students to God's creation, its makeup, and the man-made models and principles that describe God's creation. The course deals with fundamental science concepts in chemistry and includes some laboratory/demo sessions in which students can personally investigate concepts.

Intro to Physics

SCI1004

Intro to Physics is a one semester course that introduces students to God's creation, its interactions of motion, forces, and energy, and the man-made models and principles that describe God's creation. The course deals with fundamental science concepts in physics and includes some laboratory/demo sessions in which students can personally investigate concepts.

Career & Technical Education (CTE)

CTE: BUSINESS

Accounting

BUS1001

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. Students will learn how to use QuickBooks Online to record and keep track of business expenses.

Intro to Business

BUS1003

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.

Intro to Sports Management *GCDC

VOC1085

This course is an overview of the business of sports, including career opportunities, as well as a study of the value of professional management to sports organizations.

Marketing in the Digital Era*

BUS1016

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

Personal Finance

MAT1022

Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. We explore in depth how to best handle and utilize the financial blessings and resources given to us by our Heavenly Father during our lives. Topics covered will include budgeting & saving, credit & debt, college planning, careers, income & taxes, financial services & insurance, housing & real estate, investing & retirement, as well as global economics. This course will provide a foundational understanding of personal finance to make informed financial decisions for life in the real world.

CTE: TECHNOLOGY

💻AP Computer Science# - *AGVA*

COM2001

AP Computer Science A introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. **Prerequisites:** Must have received a B or higher in previous online computer course and completed an MLHS higher level math class

Digital Media

COM1005

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.

💻Game Programming 1 –*AGVA*

COM1010

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 and prototypes downloaded from Unity Learn. 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:** Introduction to Programming

💻Introduction to Programming - AGVA

COM1007

Introduction to Programming is a hands-on introductory computer programming course. Students will learn to write computer programs using the ubiquitous JavaScript computer programming language. In this process, students will exercise and grow their God-given technology skills and prepare to use these gifts in service in their homes, churches, communities, and future vocations. **Prerequisites:** None, but basic computer knowledge is assumed.

💻Web Page Design *–AGVA*

COM1006

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

CTE: Vocational

💻Agriscience I* - *WVS*

VOC1065

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. **Prerequisite**: Intro to Agriscience

💻Agriscience II* *–WVS*

VOC1066

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:** Agriscience I

Introduction to Agriscience

VOC1076

This semester course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented. Students will learn about agricultural history, industry structure, employment leadership skills in the agricultural industry. This course will focus on Agriculture, Food and Natural Resources- AFNR and incorporate hands on labs and projects as an integral course component for industry awareness and leadership development, career exploration, and reinforcement of academic concepts. The course is planned for a rigorous pace and building enthusiasm while learning real world skills related to the agricultural industry.

Construction Trades*

VOC1017

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

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.

Independent Living

VOC1009

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.

Medical Terminology* WVS

VOC1028

In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.

PLTW Aerospace Engineering* ST

VOC1044

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. **Prerequisite:** Geometry and Department Head Approval

PLTW Intro to Engineering Design ST

VOC1042

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.

PLTW Principles of Biomedical Science* ST

VOC1051

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. **Prerequisite:** Successful completion of Biology.

PLTW Principles of Engineering Design* ST

VOC1052 Not Offered in 2023-2024 School 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

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.

Woods 2 * ST *(as space allows)*

VOC1013

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

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.