

COURSE CATALOG

2022-23

SEEK JESUS

EMPOWER LEARNING

BUILD BRIDGES OF PEACE

WORLD CHANGERS TOGETHER

LIVE COMPASSIONATE



LANCASTER
MENNONITE

FAITH • EDUCATION • COMMUNITY

LIVE COMPASSIONATE

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LANCASTER MENNONITE SCHOOL

A PreK-12 Campus

Purpose Statement

Changing our world through innovative Christ-centered education

Lancaster Mennonite School provides PreK-12 education in a diverse community that nurtures students to become creative and innovative learners who are prepared for college, career and life. Centered in Christ and committed to education excellence, students are empowered to change the world through Christlike love, peacemaking and service.

Vision Statement

LMS will be a leader in PreK-12 educational experiences of excellence and character. Through local and global connections in a Christ-centered community lives will be transformed and our world changed.

Our Values

We proudly say that as a school community, *Together we will:*

- *Seek Jesus Wholeheartedly*
- *Live Compassionately*
- *Build Bridges of Peace*
- *Cultivate Global Citizens*
- *Nurture Curiosity and Creativity*
- *Empower Lifelong Learning*

Identity and Memberships

Lancaster Mennonite School is a mission of congregations of the Mennonite Church USA. It is warmly ecumenical and welcomes students from these and other congregations who share the mission of the school. Students are admitted without regard to race, gender or national origin.

Lancaster Mennonite School is accredited through Cognia and the Mennonite Education Agency. Lancaster Mennonite School is a member of the Mennonite School Council and the Lancaster-Lebanon Athletic League.

Connecting Curriculum and Faith

As a leading Christian school, Lancaster Mennonite School offers a comprehensive PreK-12th grade program designed to educate the whole person. The school warmly welcomes students and families desiring an education in a learning community shaped by the following distinctives: Christ-centered, educational excellence, peace and service, community, and faith-infused opportunities. We believe that the key to a Christian education is having Christ at the center of all learning, not as an add-on in the curriculum. Spiritual life involves every activity of the school, and teachers integrate a Christian perspective into all subject areas.

FAITH PRACTICE STATEMENTS

Ultimately, beliefs in our head are nothing unless they are “made flesh” in actual actions and attitudes. We have identified 15 things that, as a result of our faith, we do and are:

1. In this school students know they are loved and valued by God which enables them to value and love each other.
2. Peacebuilding, including the use of restorative discipline, is regularly modeled and practiced as a lifestyle of nonviolence, seeking justice and being part of a reconciling faith community.
3. Our school values and is responsive to cultural, racial and socio-economic diversity.
4. Our school provides a welcoming community where it is emotionally safe to raise questions, to value and learn from differences, and to care for each other.
5. The school enables students to practice global awareness, cultural sensitivity, anti-racism, and compassionate living.
6. Students grow in their understanding of stewardship of all God has entrusted to them, including the natural environment.
7. Staff members in our school are committed to modeling the life of Jesus Christ.
8. Students grow in understanding the process of biblical discernment by asking questions, practicing spiritual disciplines, and engaging with other Christians.
9. Students are encouraged to grow in relationship with Jesus and to follow Jesus daily in life through attitudes and practice.
10. Our school does everything it can to eliminate the obstacles that exclude or hinder the ability of students to receive a faith-infused, education of excellence.
11. Stories and symbols of faith and reconciliation are regularly shared in our school community.
12. Our school invites parents to become partners in the faith formation of their child.
13. Our school is a community that lives the gospel message through praying, serving others, and enabling students to grow in understanding that they can make a positive difference in the world globally and locally.
14. Our school builds a strong faith and learning community in which students and staff support each other.
15. Our school enables students to live a life of curiosity, wonder and mystery as they join with God to bring the reign of God on earth as it is in heaven.

High School Graduation Requirements

To graduate from LMH students must earn 25 credits and satisfactorily complete the senior presentation. Specific credits in grades 9-12 must be earned in the following areas.

Bible, for each year enrolled	0.5 credit
English	4.0 credits
Social Studies	3.5 credits
Mathematics	3.0 credits
Science	3.0 credits
Health, Safety & Physical Education	2.0 credits (1.0 Health + 1.0 PE)
Fine or Practical Arts	1.0 credit

Fine and Practical Arts include agriculture/science technology, art, family and consumer sciences, music and technology education.

At least two years of world language is recommended for most students.

Senior Presentations

In May of their senior year, students will give a presentation that provides an opportunity for them to *reflect* on their life so far, to *acknowledge* appreciation for those who have nurtured them, and to *anticipate* their future.

The presentation will help students to discuss and reflect on:

- Academic growth and learning highlights
- Personal spiritual formation and connection to faith practice statements
- Impact of family, friends, and home experience
- Future plans

Each student will have a 30-minute time slot for sharing, reflecting, and answering audience questions. The audience may consist of family, friends, teachers, friends from church, coaches and influential supporters.

These presentations are a graduation requirement.

Mini-courses and Class Experiences

Lancaster Mennonite School realizes that many significant lifelong skills and interests are developed outside the classroom setting. Mini-courses for grades 11 and 12 and class experiences for grades 9 and 10 provide opportunities for students to learn with their peers and teachers and benefit from teachers' expertise and creativity.

Mini-courses are a minimum of three days and may include overnight trips or day trips for those three days. Students may count school-led summer trips as their mini-course prior to their junior or senior years. Mini-courses focus on an academic area and/or service and occur every two years. Students receive a pass/fail grade for 0.25 credit.

The theme for the *Freshman Experience* is "Building Community" and the theme for the *Sophomore Experience* is "Creation Care". Some class experiences for grades 9 and 10 occur yearly, while some occur every two years when mini-courses occur.

<p align="center">Recommended Sequence of Courses for Students attending LMH for Four Years</p>
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Grade 9

English	1.0 credit
Social Studies	.5 credit
Mathematics	1.0 credit
Science	1.0 credit
Bible	.5 credit
Physical Education	.5 credit
Health	.5 credit
Electives	

Grade 10

English	1.0 credit
Social Studies	.5 credit
Mathematics	1.0 credit
Science	1.0 credit
Bible	.5 credit
Physical Education	.5 credit
Health	.25 credit
Drivers Education	.25 credit
Electives	

Grade 11

English	1.0 credit
Social Studies	1.0 credit
Mathematics	1.0 credit
Science elective	1.0 credit
Bible	.5 credit
Electives	

Grade 12

English	1.0 credit
Social Studies	1.5 credit
Bible	.5 credit
Mathematics	Recommended
Science	Recommended
Electives	

All transfer students should check with their school counselor concerning any deviation from this program.

<p align="center">Grading Standards</p>
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A Superior	90-100
B Good	80-89
C Average	70-79
D Below Average	60-69
F Unsatisfactory	Below 60

An incomplete is given only for emergency reasons approved in advance by the teacher and school counselor. An incomplete must be removed within two weeks after the student's return to school or the grade becomes an F.

High School Course Selection

Students should plan their educational programs and course selections carefully, then follow the plan they have chosen. **Any necessary changes to courses and schedules must be made within the first two weeks of a semester. After the second week, changes are permitted only for health emergencies with the approval of the principal.**

Several courses have lab fees noted in the course descriptions. These fees will be deducted from student tuition accounts.

Courses marked with an asterisk (*) in the Curriculum Planning Guide are especially recommended for college-bound students.

AP courses and dual enrollment courses are weighted in our grading system using 1.2 as a multiplier factor when determining GPA. Lancaster Mennonite offers the following:

AP & Dual Enrollment Courses

AP Biology
AP Calculus AB
AP Calculus BC
AP Chemistry
AP Comparative Government and Politics
AP Computer Science Principles
AP Computer Science A
AP English Composition (*dual enrollment with Harrisburg Area Community College*)
AP Introduction to Literature (*dual enrollment with Harrisburg Area Community College*)
AP Physics C: Mechanics
AP Psychology
AP Spanish Language and Culture
AP Spanish Literature and Culture
AP Statistics
AP U.S. Government and Politics (*dual enrollment with Eastern Mennonite University*)
AP U.S. History (*dual enrollment with Harrisburg Area Community College*)
AP World History
Spiritual Formation (*dual enrollment with Eastern Mennonite University*)

Students need to register for at least six class periods daily for six semesters and seven class periods for two semesters to earn the required 25 credits. Alternate course selections will be used to replace electives if scheduling conflicts occur. Exceptions require school counselor approval.

Early Enrollment Courses

Lancaster Mennonite partners with local colleges and universities to provide students the opportunity to take Early Enrollment courses. These courses are open to juniors and seniors. Decisions on early enrollment should be made in consultation with school counselors and with approval from families. These courses do have additional costs that are paid directly to the college or university. Students can either take these courses on their own, outside of school hours, or use a study hall to work on course requirements.

Harrisburg Community College at Lancaster: www.hacc.edu/Admissions/HighSchoolStudents/

HACC's Dual Enrollment program gives qualified high school juniors and seniors the opportunity to receive college credit at a reduced rate. Students must be recommended for the program and meet course prerequisites through HACC's placement testing, SAT or ACT test scores. Students may enroll in credit courses at the 100-level or higher (some courses may require placement testing and/or pre-requisites) and take college credit courses at any HACC campus, an off-site location or online. College credits may count towards a HACC program or may transfer to other colleges and universities.

Eastern Mennonite University at Lancaster: www.emu.edu/lancaster/gened/enrollment/

EMU at Lancaster offers an early enrollment program for exceptional high school students who wish to enroll in an EMU at Lancaster general education course during their junior or senior year in high school. Students will receive college credit at a reduced rate for these courses. Global issues – social, political, economic, environmental - are important topics to current and future generations. The early enrollment courses at EMU at Lancaster engage these topics through culturally relevant course materials. The following courses are offered in this program:

BIOL 161: Food and Population	3 credits - cross cultural or natural science
CMUS 114: Appreciating Music Making	3 credits - creative arts
HIST 132: U.S. History II: 1865-Present	3 credits - history
HIST 182: The Global Past II 1500 to the Present	3 credits - history
ART 141: Drawing	3 credits - fine arts
STAT 140: Elementary Statistics	3 credits - mathematics
LIT 230: Global Literatures II 1800 to the Present	3 credits - literature
WRIT 150: Speech: Exploring Voice in Vocation	2 credits - speech
WRIT 130: College Writing	3 credits - writing
PSYC 202: Developmental Psychology	3 credits - social science
ENVS 181 Environmental Science	3 credits - natural science

FINE ARTS CERTIFICATE

Students may apply to participate in Lancaster Mennonite's Fine Arts Certificate Program. This program is designed for students who have a passion and commitment to personal growth within the visual or performing arts. Students may pursue certification in three different focus areas: Music, Art, or Drama. Completion of the program includes the completion of a core curriculum, co-curricular involvements, community service, and engagement with local art communities.

MUSIC FOCUS

Students must maintain a minimum of 3.5 GPA

Course Requirements

- Music Theory 1
- Minimum of one semester in choir, piano lab, class voice or guitar class
- Six semesters of instrumental ensemble or choir
- Audition for County Chorus or District Chorus, Band or Orchestra a minimum of one time
- Completion of a senior recital

Community Service

- Performance in minimum of one Music Chapel per year. Assistance in a minimum of three chapels requiring music participation.
- Completion of 10+ music-related, advisor-approved community service hours.

Community Engagement

- Attend a minimum of two concerts outside of school and write a critique for submission to advisor

VISUAL ART FOCUS

Students must maintain a minimum of 3.5 GPA

Course Requirements

- Completion of four of the following: Survey of Studio Art, Drawing, Painting, Ceramics, Two-Dimensional Design, Sculpture, Digital Photography, Art in Action
- Advanced Studio
- Submission to Scholastic or LCYA
- Completion of art portfolio

Community Service

- Completion of 10+ art-related, advisor-approved community service hours.

Community Engagement

- Visit at least five different galleries, with documentation and review submitted to advisor.
- Interview at least one career artist and submit reflection to advisor

DRAMA FOCUS – Includes sub-specializations: Acting, Pit Orchestra, Tech, Production

Students must maintain a minimum of 3.5 GPA

Course Requirements

- Completion of English Literature, Drama Performance, and two semesters of music (one performing ensemble)
- Participation in at least six productions in at least two different areas of specialization.

Community Service

- Completion of 10+ drama-related, advisor-approved community service hours.

Community Engagement

- Attend four different productions at four different venues and write and submit critiques to advisor

COOPERATIVE PROGRAMS

LANCASTER COUNTY CAREER AND TECHNOLOGY CENTERS

Students in full day classes at the Career and Technology Center will be charged a records fee. Additional part-time fees are charged for students taking one or more classes on the Lancaster Campus.

- 645 CAREER & TECHNOLOGY. Juniors and seniors could be eligible for part-time or full-time
646 enrollment in certain vocational programs offered through the Lancaster County Career & Technology Center (LCCTC). A variety of programs are available related to the following fields: cosmetology, construction, technologies and visual communication. Descriptions of programs can be found on their website. Career and technology center students will complete a project at LCCTC that will count for their senior presentation. Anyone interested should consult with their school counselor as early as the sophomore year to plan accordingly. 3.0 or 6.0 credits available

DIVERSIFIED OCCUPATIONS AND SERVICE

Diversified Occupations and Service is designed to benefit both students who will enter the job market after graduation and those who continue their formal education. Diversified Occupations and Service educates students to realize the many occupational opportunities in society and to evaluate their interests and abilities. It also enables them to acquire valuable skills and knowledge as well as the opportunity for realistic job experiences.

- 644 DIVERSIFIED OCCUPATIONS. Students will be required to be in the classroom the first few days of class to complete required paperwork. This course provides students with the opportunity to receive occupational instruction and realistic on-the-job experiences that cannot be offered in the classroom setting. Students are required to find their own employment with an employer who is willing to participate in such a program. Students are required to work at least 15 hours a week for the full semester, usually during the three afternoon classes and in many cases until 5:00 p.m. The program is flexible to meet the needs of individual students. Second semester for grade 12. 1.0 credit
- 651 SERVICE. Service provides students an opportunity to help a teacher. No credit is given for this experience. 0 credit
- 652 PEER TUTORING. Students will have the opportunity to explore the teaching profession working in Learning Support or with middle school and elementary students. They will contribute to the education of individual students or small groups of students through individualization, modeling, motivation, and develop an understanding of similarities they share. Students participating in this program must have a satisfactory school conduct grade and need to be approved by the faculty member they are working with and a school counselor. Students should indicate their interest in Peer Tutoring on their course selection form each year. First or second semester for grades 9-12. 0.5 credit

COURSE DESCRIPTIONS

ACADEMIC SUPPORT

The staff in the Academic Support program works with students in a holistic way that enables them to grow academically, spiritually, socially, and physically. LMS offers services to ensure that students who learn differently are given a chance to realize their full academic potential. Federal and state guidelines are useful to program design; however, LMS is an independent school and forms a program that best serves our students without the restrictions and requirements of strictly following government mandates.

The Academic Support staff partners with parents and teachers to provide students who might otherwise find it difficult to participate in the general education curriculum with the resources to achieve academic success in the classroom. The Academic Support program may include students with learning difficulties or disabilities.

LMS seeks to ensure students are included and successful in their least-restrictive placement classes to the fullest extent that they are able. The Academic Support staff work with teachers to facilitate accommodations and differentiation of instruction. Accommodations and support are provided through an Individualized Academic Plan (IAP) for students who demonstrate a need.

- 800 GUIDED STUDY. This course is designed for Academic Support students who have an Individualized Academic Plan (IAP) and are in Academic Support five periods a week. The course provides support for students in a small group setting and focuses on organization, academic checks, study skills, small group instruction, test support, technology support, and parental and teacher support. A pass/fail grade will be issued for this semester-long course.
First and second semester for grades 9-12 0.25 credit
- 218A ENGLISH 9 FOUNDATIONS. This course parallels components from English 9 while focusing on
218B the development of language art skills. Writing, grammar, and vocabulary are studied in conjunction with literature. Students may only take this course instead of English 9 at the recommendation of Academic Support, school counselor, or the teacher.
Yearlong course 1.0 credit
- 401 GENERAL MATH. This course includes a variety of mathematical areas used in daily life.
402 Students will work collaboratively and independently as they develop problem solving and critical thinking skills. Beginning algebraic concepts will also be introduced. Relevant daily living projects and assignments are included.
First and second semester for grades 9-12 0.5 credit
- 226A ENGLISH 10 FOUNDATIONS. This course parallels components from English 10 while focusing on
226B the development of language art skills. Students will strengthen critical thinking and career writing skills. Students will also examine classic and contemporary world literature, exploring thematic threads which connect the works despite their varied cultural traditions, helping to broaden the students' perspectives. Students may only take this course instead of English 10 at the recommendation of Academic Support, school counselor, or the teacher.
Yearlong course for grade 10. 1.0 credit

BIBLE AND CHURCH HISTORY

- 101 CREATION & PROMISE. This Bible course takes a thematic view of God’s narrative with humanity. The course begins with an introduction and overview the Bible. Following the Old Testament narrative, the themes covered in this course include: caring for God’s creation; listening to God’s voice; living God’s way; and working for God’s shalom. Each theme is studied using stories from the Old Testament, New Testament and more modern stories of God’s interaction with humanity. The themes of the course align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School.
Required.
One semester for grade 9. 0.5 credit
- 103 JESUS’ STORY. This Bible course takes a thematic view of God’s narrative with humanity. The course begins with an introduction and overview of the New Testament. Following the life of Jesus, the themes covered in this course include: following God’s call to love; being known and loved by God; celebrating diversity; being a citizen in the upside-down Kingdom; and practicing grace and forgiveness. Each theme is studied using stories from the Old Testament, New Testament and more modern stories of God’s interaction with humanity. The themes of the course align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School.
Required.
One semester for grade 10. 0.5 credit
- 104 GLOBAL CHRISTIANITY. This course is a survey of Christian history from the birth of the church through the Reformation and modern day with an emphasis on the rise of the Anabaptist movement. The course examines the current relationship between Christianity and culture, with lectures and research projects incorporated into the course. Students are helped to understand their faith as they study Christianity in a global context. Themes of this course align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School.
Required.
One semester for grade 11. 0.5 credit
- 107 KINGDOM LIVING. The themes for this course, which align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School, are practical theology; engaging with the world around us; spiritual disciplines; and living in God’s Kingdom. This senior level Bible course challenges students to reflect on their own faith journey and culminates with a Capstone project that focuses on an area of interest/service for the student, and how that interest/service connects to their own personal faith journey.
Required.
One semester for grade 12. 0.5 credit
- 112 SPIRITUAL FORMATION. This course may be taken instead of Kingdom Living I and serves as an introduction to Christian Spiritual Formation, its roots in history as well as its present-day implications on both a personal and communal level. It is grounded in the understanding that God is always active in our lives and in the world around us. Spiritual disciplines are one way that we open our eyes, ears, and hearts to God’s message for us and for the world. Looking and listening to God’s movement enables us to comprehend in a deeper way what it means to be a follower of Jesus in our broken world. Lectures, readings, discussions, papers, journal entries, meeting with a spiritual companion, weekly experiences with a small group and a class retreat form the basis for mutual learning. **Students may register to receive college credit for this course from Eastern Mennonite University. There is a cost for dual enrollment and for the retreat.**
Prerequisite: B average or higher
Second semester for grade 12. 0.5 credit

BUSINESS

Math credit is offered for Personal Finance, Business Math, and Business Analytics.

- 632 INTRODUCTION TO BUSINESS. This course is a basic introduction to the world of business. Topics include the business environment, forms of business organization, management and leadership, human resources, and financial management.
One semester for grades 9-12. 0.5 credit
- 637 BUSINESS MATH. This course will strengthen students' everyday math skills. Students review fundamental math principles. Calculations will be learned that apply to business applications, including income, manufacturing, sales, marketing and distribution. *This course may count as 0.5 math credit.*
One semester for grades 10-12. 0.5 credit
- 620 PERSONAL FINANCE. Concepts of personal financial management are examined from a Christian perspective. Emphasis is placed on career choice, preparing budgets, keeping personal income and expense records, completing simple tax returns, using credit, and understanding banking. Investments and risk management will be explored. *This course may count as 0.5 math credit.*
One semester for grades 10-12. 0.5 credit
- *630 ENTREPRENEURSHIP. This course will teach students the skills needed to establish and manage a business and the characteristics required of a successful entrepreneur. Students will study business plans and then develop their own. Other topics studied include marketing, distribution, promotion, selling, financial management, and operations management.
One semester for grades 11-12. 0.5 credit
- 438 BUSINESS ANALYTICS. This course will prepare students to understand, manage, and visualize the data; apply the appropriate analysis tools; and communicate findings and their relevance. Topics include descriptive analytics and predictive analytics. This will provide a holistic analytics process, including dealing with real-life data that are not "clean" or "small". *This course may count as 0.5 math credit.*
Prerequisite: Algebra II
One semester for grades 11-12. 0.5 credit

ENGLISH

Students are required to earn a minimum of four English credits for graduation.

High School English Requirements

1.0 credit – English 9 or English 9 Foundations

1.0 credit – English 10 or English 10 Foundations

0.5 credit – Communication and Analysis

One additional writing course (0.5 credit total)

0.5 credit of Career English

0.5 credit of Advanced Writing

0.5 credit of English Composition 1 (*AP – dual enrollment with HACC*)

One additional literature course (0.5 credit total)

0.5 credit of Literature of the Bible (offered in alternate years)

0.5 credit of Themes in Literature

0.5 credit of British Literature

0.5 credit of US Literature

0.5 credit of Introduction to Literature (*AP – dual enrollment with HACC*)

One elective course (0.5 credit total)

Any of the above literature or writing courses

0.5 credit of Journalism

0.5 credit of Speech

0.5 credit of Creative Writing

0.5 credit of Drama Performance

218A ENGLISH 9 FOUNDATIONS. This course parallels components from English 9 while focusing on
218B the development of language art skills. Writing, grammar, and vocabulary are studied in conjunction with
literature. Students may only take this course instead of English 9 at the recommendation of Academic
Support, school counselor, or the teacher.
Yearlong course. 1.0 credit

221A ENGLISH 9. Writing, grammar, and vocabulary are studied in conjunction with literature. Units of
221B study include short stories, drama, poetry, nonfiction, ancient epic, and the novel.
Required.
Yearlong course for grade 9. 1.0 credit

226A ENGLISH 10 FOUNDATIONS. This course parallels components from English 10 while focusing on
226B the development of language art skills. Students will strengthen critical thinking and career writing skills.
Students will also examine classic and contemporary world literature, exploring thematic threads which
connect the works despite their varied cultural traditions, helping to broaden the students' perspectives.
Students may only take this course instead of English 10 at the recommendation of Academic Support, school
counselor, or the teacher.
Yearlong course for grade 10. 1.0 credit

- 224A ENGLISH 10. This course will incorporate aspects of writing and literature study, while continuing to
 224B develop vocabulary and grammar skills. Students will advance and strengthen critical thinking and academic writing skills through creating a personal narrative, literary analysis, research paper and argument. Students will also examine classic and contemporary world literature, exploring thematic threads which connect the works despite their varied cultural traditions, helping to broaden the students' perspectives.

Required.

Yearlong course for grade 10.

1.0 credit

- 237 COMMUNICATION AND ANALYSIS. The purpose of this course is to study and practice the life skills of listening, speaking, and writing. This media literacy course emphasizes the organization and presentation of information for various purposes and audiences. Contemporary uses of media, including entertainment and advertising, are analyzed and evaluated from a Christian perspective.

Required.

One semester for grade 11.

0.5 credit

Writing Courses

- 245 CAREER ENGLISH. Students learn the written and oral communication skills necessary to get a job and function well in a work environment.
 One semester for grades 11-12. 0.5 credit

- *235 ADVANCED WRITING. Students are guided through the writing of several papers, including an extensive research paper. This course for college-bound students practices a peer revision model to give and receive feedback.
 One semester for grades 11-12. 0.5 credit

- *250 ENGLISH COMPOSITION I (Advanced Placement). Designed to develop fluency in writing clear, forceful, and effective prose, this course, when taken in conjunction with Introduction to Literature (AP), is intended to prepare students to take the AP Literature and Composition exam for college credit. **Students may register to receive college credit for this course from Harrisburg Area Community College (HACC). There is a cost for dual enrollment. Additional fees and a placement exam also apply.** All students registering for English Composition I must take and pass HACC's placement exam.
This is a weighted course.
 Second semester for grades 11-12. 0.5 credit

Literature Courses

- 234 LITERATURE OF THE BIBLE. The artistic dimension of the Bible is emphasized through careful study of various types of literature found in it, including narrative, poetry, wisdom literature, gospels, and epistles. The course will focus on themes that flow throughout the Bible including: community & relationships, living with the unknown, grief and brokenness, reconciliation, remembrance and celebration, and sending (missio dei). Students will be analyzing the text along with art and music inspired by the text.
 One semester for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2023-2024
- 229 THEMES IN LITERATURE. The literature studied is organized around themes of high interest to students. Themes include death, love, courage, and friendship.
 One semester for grades 11-12. 0.5 credit

- *230 BRITISH LITERATURE. Students study the major authors of the principal literary periods from *Beowulf* to 20th century poetry such as Shakespeare and Romanticism, and become aware of recurring themes that link students of today with people of all times.
One semester for grades 11-12. 0.5 credit
- *244 U.S. LITERATURE. A survey course sampling United States literature from the colonial times through the 20th century, U.S. Literature will explore how works relate to their historical and social contexts, the Christian worldview, and their writers' view of life. U.S. Literature will correlate to the AP U.S. History curriculum.
One semester course for grades 11-12. 0.5 credit
- *259 INTRODUCTION TO LITERATURE (Advanced Placement). Designed to develop understanding and to increase human experience through literature, this college level course, when taken in conjunction with English Composition I, is intended to prepare students to take the AP Literature and Composition exam for college credit. The major literary types (poetry, fiction, and drama) are defined and illustrated through examples drawn from English and American literature as well as other literatures of the world. **Students may register to receive college credit for this course from Harrisburg Area Community College (HACC). There is a cost for dual enrollment. Additional fees and a placement exam also apply.**
This is a weighted course.
First semester for grade 12. 0.5 credit

Electives

- 227 JOURNALISM. This course introduces students to the various types and styles of journalistic writing. An elective course, Journalism is recommended for students considering applying to school publications.
One semester for grades 10-12. 0.5 credit
- *248 SPEECH. Students learn to deal with fear and nervousness and to be confident and effective in a speaking situation. Class activities include group discussions, extemporaneous and memorized speeches, and critiques. An emphasis is on applying speech skills outside of class.
Prerequisite: Communication and Analysis
One semester course for grades 11-12. 0.5 credit
- 261 DRAMA: PERFORMANCE. This course introduces the art of drama as communication. Students are challenged to develop skill in vocal articulation, projection, improvisation, stage presence, and familiarization with dramatic terms.
One semester for grades 11-12. 0.5 credit
- 249 CREATIVE WRITING. The writing of short stories, poetry, and plays encourages imaginative expression. For students who enjoy writing and are ready for a challenge.
One semester for grades 11-12. 0.5 credit
- 247 YEARBOOK. Staff members use a period daily to work on the yearbook. Only students already appointed to the staff should include this in their schedule. Students receive a pass or fail grade. Recommended prior courses: Journalism, Photography, and/or Two-dimensional Design.
First semester for grades 11-12. 0.25 credit

ESL (ENGLISH AS A SECOND LANGUAGE)

ESL classes serve students who are learning English as a non-native language. The goal of ESL is to bring students to a level of English proficiency whereby they can participate fully in other academic courses and transition successfully to postsecondary education.

Initial placement for incoming international students is based primarily on the English proficiency test score submitted with the student's application (TOEFL iBT, TOEFL JR, ITEP SLATE or IELTS). Local students will be evaluated and placed in the appropriate level. Movement between levels is determined by teacher recommendations, grades in ESL and other courses, and updated proficiency test scores. It is not uncommon for students to remain at the same level for multiple semesters. Since most colleges require a TOEFL iBT score of at least 80 for admission, students who desire to exit the high school ESL program are expected to score at least near that level.

Additional fees are charged for all levels of ESL. Fees are adjusted each semester to reflect the student's current level. Please refer to our website or contact our business office for current ESL fees.

- 222A ESL LEVEL 2. Level 2 focuses on improving students' basic English skills in reading, writing,
222B speaking, and listening. Class work and assignments are designed to help students increase their vocabulary and communication skills in order to participate in school life and work toward functioning in a regular classroom. Students in Level 2 do not take another English class.
One semester. 0.5 credit
- 223A ESL LEVEL 3. Level 3 serves to help improve students' English communication skills in reading,
223B writing, speaking, and listening to a level where they can begin to function in a regular classroom. Students also receive language level appropriate assignments and testing in their regular courses as well as advocacy by the ESL Level 3 teacher. Students in Level 3 generally do not take another English course. ESL Level 3 meets one period each day.
One semester. 0.5 credit
- 224A ESL LEVEL 4. Level 4 is designed to assist students with a smooth transition to all regular classes,
224B especially English classes, without modifications. Students focus on vocabulary development, academic writing skills, literature reading and interpretation, and test-taking skills (especially the TOEFL iBT). ESL Level 4 students may, with teacher recommendation, take an additional English course. Students taking ESL 4 are required to take the TOEFL iBT, TOEFL JR., ITEP SLATE, or IELTS as a part of each semester's coursework and grade. A TOEFL/iBT score of 75 or equivalent is needed to successfully complete the program. In addition, students are required to participate in an extracurricular activity.
One semester. 0.5 credit

HEALTH, SAFETY AND PHYSICAL EDUCATION

- 703 PERSONAL HEALTH STRATEGIES. This course focuses on providing the necessary skills and information to help students make informed decisions regarding their personal health. Specific units include mental health, relationships, nutrition, and individual growth and development.
Required in grade 9 or 10.
 One semester. 0.5 credit
- 704 PRINCIPLES OF LIFETIME FITNESS. This course will equip students with the necessary tools to make choices and take actions that lead to a physically fit life. Various activities will be utilized to provide opportunities for students to enhance their level of physical fitness.
Prerequisite for all other PE courses.
Required in grade 9 or 10.
 One semester. 0.5 credit
- 705 CONSUMER HEALTH AND DRIVER SAFETY EDUCATION. The health component gives students the necessary information to be wise consumers of health products and services. Specific health units include first aid, health insurance, and substance abuse. The driver education component includes 30 hours of classroom instruction required of a state approved driver safety-training program. Students desiring behind-the-wheel instruction need to make separate arrangements.
Required in grade 10 (*other grades require special arrangement with their school counselor*)
 One semester. 0.25 credit each for Health/Driver Education 0.5 credit
- 783 FOUNDATIONS OF INDIVIDUAL AND TEAM SPORTS. This course will ensure that students have a solid understanding of fundamental rules and skills necessary to play a variety of sports. The overall goal is to help students find activities that they will use to help maintain wellness.
Required in grade 9 or 10.
 One semester. 0.5 credit
- 787 FALL TEAM SPORTS. The major team sports in this unit include basketball, touch or flag football, soccer, softball, street hockey, and volleyball. Each student will be required to dress-out and participate in the activity selected for that day. This will be an exciting course for students who enjoy playing team sports and want to get in shape at the same time. This course is for any student who wants to play sports and is not intended for varsity athletes looking to perfect skills for competition.
 One semester for grades 11 and 12. 0.5 credit
- 788 SPRING TEAM SPORTS. The major team sports in this unit include indoor/outdoor soccer, basketball, volleyball, street hockey, and Styx ball (lacrosse). Each student will be required to dress-out and participate in the activity selected for that day. This will be an exciting course for students who enjoy playing team sports and want to get in shape at the same time. This course is for any student who wants to play sports and is not intended for varsity athletes looking to perfect skills for competition.
 One semester for grades 11 and 12. 0.5 credit
- 789 WEIGHT TRAINING AND CONDITIONING. The emphasis of this course will be on physical fitness (cardiovascular endurance) and weight training. Each student will participate in a circuit-type weight training program geared for his/her own personal needs and abilities in order to develop and maintain a high level of cardiovascular endurance and good muscle tone throughout the body. Each student will be evaluated on his/her own merit and will not be compared to other students. This course is designed for students who like the challenge of setting personal goals and are willing to work hard to reach those goals.
 One semester for grades 11 and 12. 0.5 credit

- 790 WEIGHT TRAINING AND CONDITIONING II. For students who wish to continue their program beyond the first course.
One semester for grades 11 and 12. 0.5 credit
- 795 LIFETIME SPORTS. This course exposes students to a variety of games and leisure activities that can be utilized to maintain fitness over one's lifetime. Examples of activities include: Ultimate Frisbee, Disc Golf, Racquetball Sports, Bocce, Group Games, etc.
One semester for grades 11 and 12. 0.5 credit

MUSIC

- 267 VOICE CLASS. Voice Class is open to all students. It is highly recommended for Concert Choir and Campus Chorale members. Emphasis is placed on proper singing technique. Students learn to read music. The song literature explores many styles, including spirituals, folk songs, art songs, Broadway songs, and a Christmas selection. Emphasis is placed on gaining confidence and self-acceptance of each individual voice. A public recital concludes the course in January.
One semester for grades 9-12. 0.5 credit
- 271 MUSIC THEORY I. Music Theory 1 opens understanding of music to students who currently play an instrument or sing. Students examine how to get the most from music and all the ways it can be synthesized (listening, performing, composing) and how changes progressed in music history.
One semester for grades 9-12. 0.5 credit
- 285 PIANO LAB. Piano lab is an introductory piano course but students at all levels will be accepted. Advanced students may work independently. A strong desire to learn to play songs on a piano is required. Emphasis will be placed on learning to read music, but students will also be encouraged to play by ear.
One semester for grades 9-12. 0.5 credit
- 275 CONCERT CHOIR. Concert Choir is a non-auditioned choir. In addition to singing good choral literature and
276 preparing for performances, emphasis is placed on proper habits for singers, sight-reading music skills, and getting a good choral blend. Students enrolled in the fall concert choir will be expected to participate in the Christmas program. Students enrolled in the spring Concert Choir will be expected to participate in the spring concert in May. *A yearlong commitment is encouraged.*
For grades 9-12. 0.5 credit/semester
- 272 GUITAR I. For the beginning guitar student. Each student is asked to purchase a text and have his/her own acoustic guitar. It is advisable to have some background in music before taking this course; however, previous experience is not required.
One semester for grades 10-12. 0.5 credit
- 279 CAMPUS CHORALE. Admission is by audition. Members are chosen on the basis of musical and
280 vocal ability, personal discipline, and spiritual maturity. Campus Chorale is the main performing choir of LMH and gives programs in local churches, participates in the MSEC Choir Festival, and an adjudicated choir festival. Members are required to participate in all scheduled performances unless specifically excused by the director. **Choir members are expected to pay for their own choir outfits, as well as any other fees.**
Regular attendance at rehearsals is essential.
Yearlong course for grades 11-12. 1.0 credit

String Orchestra, Concert Band and Jazz Band

The instrumental ensembles of the school are made up of the String Orchestra, Concert Band and Jazz Band. Students are expected to stay with the ensemble they have chosen for the entire school year. Students are encouraged to take private lessons on their instruments outside of school. The school owns a few instruments that may be rented at a reasonable rate. Attendance at all rehearsals and scheduled concerts is expected. **Students will be asked to cover costs related to the MSEC Band and Orchestra Festival.**

- 265 STRING ORCHESTRA. String orchestra is open to students from grades 9-12 who play violin, viola,
266 cello, or string bass. The string orchestra rehearses five periods a week. Sectionals may take place on alternate days. *A yearlong commitment is preferred.*
Yearlong course. 1.0 credit
- 269 CONCERT BAND. This ensemble is open to students in grades 9-12, and all levels of musical experience are
270 welcome. Concert band rehearses three times a week. This group delivers concerts at Lancaster Mennonite and to the broader community *A yearlong commitment is preferred.*
Yearlong course. 0.6 credit
- 273 JAZZ ENSEMBLE. Jazz ensemble is open to students in grades 9-12, and all levels of musical experience are
278 welcome. The ensemble meets twice a week. Members who play wind instruments normally must also be members of the concert band. Regular attendance at rehearsals and participation in concerts is expected. *A yearlong commitment is preferred.*
Yearlong course. 0.4 credit

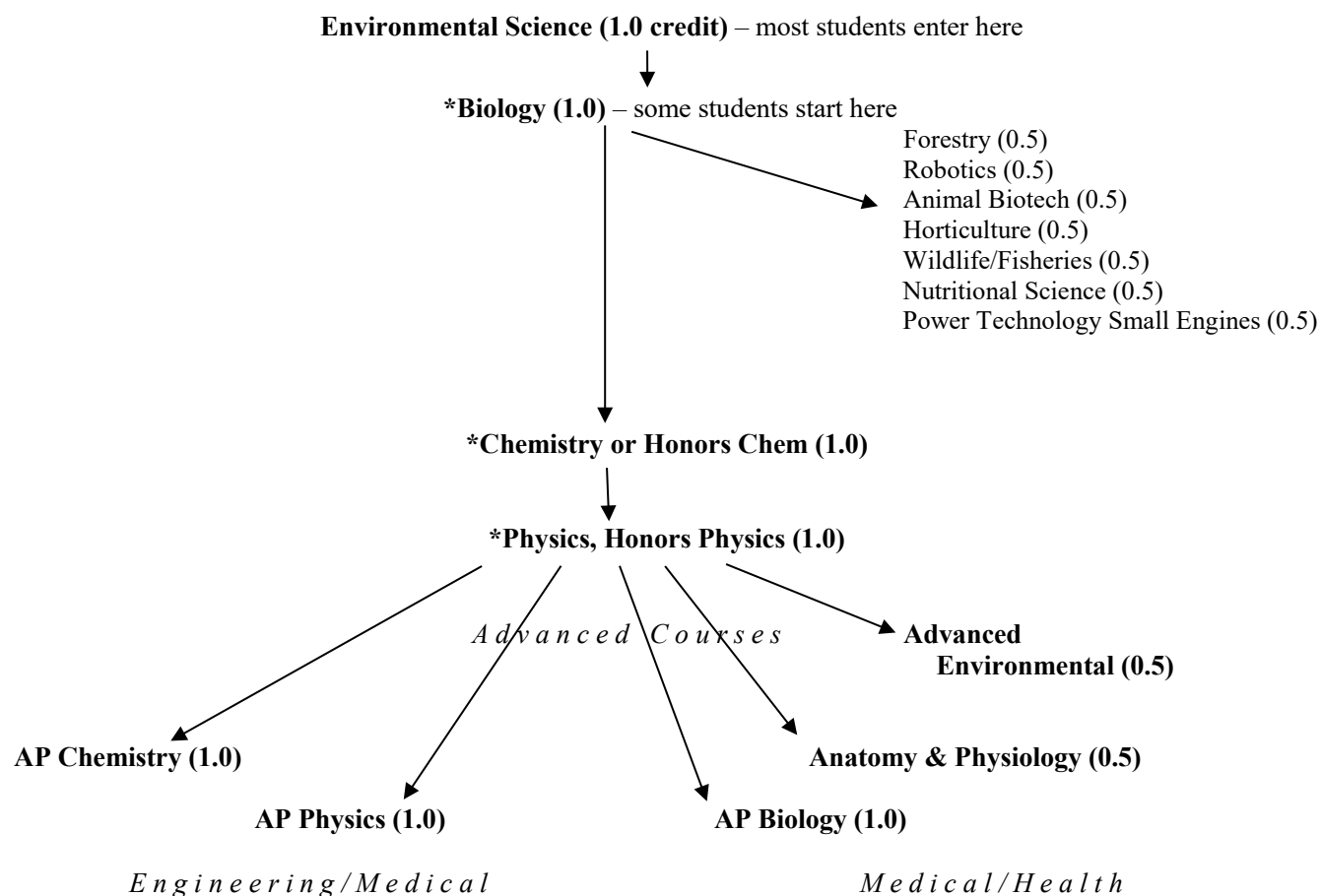
Private Lessons

Private vocal and instrumental instruction may be available for students wanting to enhance their performance skills. Arrangements for lessons are made through the music department. Please check with instructors.

STEAM PATHWAYS

SCIENCE

- Requirement: 3 credits; 2 of the credits must be selected from courses in bold print.
- Courses marked with * are basic requirements for most colleges.



One science credit may also be earned by taking two 0.5 credit courses from Agricultural Science, Technology, and/or Family and Consumer Sciences. Options include:

- Animal Biotechnology
- Robotics
- Forestry & Environment
- Horticulture
- Nutritional Science
- Power Technology–Small Engines
- Wildlife and Fisheries Science

- 451 ENVIRONMENTAL SCIENCE. With the campus as our extended laboratory we will explore how God's earth operates. We will examine the gifts of atmosphere, aquatic systems, and the land and how they have been used and misused. The goal is to prepare us to be good stewards of God's creation.
One semester course; **meets two periods per day**. 1.0 credit
- 453 BIOLOGY. God's gift of life to plants, animals and people is marvelous. Biology helps us awaken these wonders. A variety of laboratory and class activities is designed to lay a foundation to understand the living world, both for persons who will take advanced studies as well as those who do not.
Prerequisite: A or B in Algebra I or completion of Environmental Science.
For grades 9-12.
One semester course; **meets two periods per day** OR
Yearlong course, **meets one period per day** 1.0 credit
- *455 CHEMISTRY. This course examines the structure and properties of matter, and investigates the interaction of elements and compounds that permeate the world around us. It is designed for the college bound student, although it is encouraged for everyone. Student lab work and demonstrations are integrated with the reading and problem solving involved in this course of study.
Prerequisite: Geometry.
One semester course for grades 10-12; **meets two periods per day**. 1.0 credit
- *456 HONORS CHEMISTRY. This course examines the structure and properties of matter and investigates interactions of elements and compounds that permeate the world around us. It is designed as an option to be taken instead of chemistry for those college-bound students who may be interested in a science or math related field. Student lab work and demonstrations are integrated with the reading and problem solving involved in this course of study.
Prerequisite: A or B in previous Science and Math courses. Completed or enrolled in Algebra II.
One semester course for grades 10-12; **meets two periods per day**. 1.0 credit
- *459 PHYSICS. This course is an inquiry based course which examines the physical laws which describe our universe. Lab work is essential to the course and provides opportunity to explore and apply these physical laws. Concepts covered are drawn from the areas of motion, energy, static and current electricity, and wave theory.
Prerequisite: Chemistry and Algebra II.
One semester course for grades 11 or 12; **meets two periods per day**. 1.0 credit
- *460 HONORS PHYSICS. This course may be taken instead of Physics 459. Students will examine the physical laws which describe our universe. Designing labs, performing labs and problem solving is essential to the course. The labs and problems are more in depth and complex than in Physics 459. Requirements for the spring semester include attending and successfully completing the Hersheypark Physics Day Lab (approximate cost is \$40).
Prerequisite: A or B in Algebra II and Chemistry.
One semester course for grades 11 or 12; **meets two periods per day**. 1.0 credit

The science department recommends that a student complete Biology, Chemistry and Physics before enrolling in the following advanced science courses.

- *466 ANATOMY AND PHYSIOLOGY. This course emphasizes human anatomy and physiology. It is of special interest for, but not limited to, students interested in health and medical-related fields.
Prerequisites: A or B in biology and chemistry.
One semester for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2022-2023
- *468 ADVANCED PLACEMENT BIOLOGY. This is a rigorous and demanding second-year biology course designed for the highly motivated college-bound student with a special interest in the sciences. The course will focus on four main themes: cellular biology, molecular genetics, biological systems, and population genetics. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. The course will prepare students to take the AP Biology exam in May which may enable them to obtain college credits.
This is a weighted course.
Prerequisite: A or B in biology and chemistry. Completed or enrolled in Pre-Calculus.
Yearlong course for grades 11-12, meets one period per day. 1.0 credit
Offered in alternate years: Offered 2023-2024
- *457A ADVANCED PLACEMENT CHEMISTRY. This course is a second year chemistry class designed for the highly motivated college bound student with a special interest in the sciences. It will involve a deeper study of matter with a closer look at the steps involved in how it changes. It will prepare students for taking the AP Chemistry exam in May which will enable them to obtain up to eight college credits.
This is a weighted course.
Prerequisite: A or B in first year chemistry. Completed or enrolled in Pre-Calculus.
Yearlong course for grades 11-12. 1.0 credit
Offered in alternate years: Offered 2022-2023
- *464 ADVANCED ENVIRONMENTAL SCIENCE. This course will focus on the scientific study of our environment and the impact we have on it. It includes examining land and energy use, water and air quality, and our impact on the various ecosystems around the world. Our own campus will provide us with hands on lab work. Students planning on taking the AP exam are encouraged to also take Forestry and the Environment or Wildlife and Fisheries Science.
Prerequisites: A or B in biology and chemistry.
One semester for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2023-2024
- *458 ADVANCED PLACEMENT PHYSICS. This course is normally a second year physics class designed for the highly motivated college bound student who has a special interest in engineering or physics. This is a calculus based physics course that will prepare students to take the Advanced Placement Physics “C” test in Mechanics. Topics we will cover are kinematics, Newton’s laws of motion, work, energy, power, linear momentum, circular motion, rotation, oscillations and gravitation. Labs will be more extensive than honors physics labs and will take place about once a week. Throughout the course a lot of emphasis will be placed on problem solving. Requirements for the spring semester include attending and successfully completing the Hersheypark Physics Day Lab (approximate cost is \$40).
This is a weighted course.
Prerequisites: A or B in Physics. Completed or enrolled in AP Calculus AB.
One semester for grades 11-12; **meets two periods per day.** 1.0 credit

SCIENCE - AGRICULTURE

Recommended Sequence of Courses for Agricultural Science & Technology Students:

Environmental Science (Grade 9)
Intro to Ag Science (Grade 9-10)
Forestry & Environment (Grades 9-12)
Horticulture (Grades 9-12)
Power Technology Small Engines (Grades 10-12)
Animal Biotechnology (Grades 9-12)
Wildlife and Fisheries Science (Grades 10-12)
Construction Technology (Grades 11-12)
Welding & Mechanics Technology (Grades 11-12)
Ag Business Economics (Grades 11-12)
Financial Accounting (Grades 10-12)

Recommended Courses for College-bound Agricultural Science & Technology Students:

Intro to Ag Science
Animal Biotechnology
Horticulture and/or Forestry & Environment
Pre-Calculus
Chemistry or Honors Chemistry
Physics, Honors Physics or AP Biology
Advanced Writing or Career English
Power Technology and/or Welding & Mechanics Technology and/or Construction Technology
Ag Business Economics
Two years of a World Language

FFA To be part of FFA, students are required to select at least one agricultural science and technology course each year. Leadership training, public speaking and other life skills gained in FFA prepare students for post high school experiences. FFA meets during the co-curricular periods. Students in grade 9 should enroll in Environmental Science first semester and Ag Business Economics second semester. Independent Study is offered for most courses in cases where it is impossible for students to schedule an agricultural science or technology course to meet the FFA credit requirement.

601 FORESTRY AND ENVIRONMENT. Students learn to identify many of the trees common to the northeastern United States. This course includes units on multiple uses of the forest such as lumber, energy, wildlife, conservation and reforestation. Students will also contribute to the preservation of the environment. *This course may count as 0.5 Science credit.*
One semester for grades 9-12. 0.5 credit

602 WILDLIFE AND FISHERIES SCIENCE. Students will learn about the different aspects and career opportunities of wildlife and fisheries management and natural resource conservation. This course will include units on identification, habitat management, and small mammal study. Outdoor activities and studies will use the campus woodlands and aquatic areas as an outdoor lab. *The course counts as 0.5 science credit.*
One semester for grades 10-12. 0.5 credit

603 ANIMAL BIOTECHNOLOGY. This course focuses on veterinary and animal production. Students explore practical aspects of animal reproduction, nutrition and health. Units include dairy, swine, beef and horses. This course provides an excellent foundation for agri-business careers, farmers and introductory vet-science for college freshmen. *This course may count as 0.5 Science credit.*
One semester for grades 9-12. 0.5 credit

- 608 HORTICULTURE. This course provides knowledge and skills for work in greenhouse management, plant propagation, integrated pest management (IPM), and landscaping. Students participate in many hands-on lab activities as well as the design of a landscape plan. During spring weather, students work outdoors in practical landscape care. *This course counts as 0.5 science credit.*
One semester for grades 9-12. 0.5 credit
- 610 INTRODUCTION TO AG SCIENCE. This is a leadership course for beginning FFA members where students learn management entrepreneurship, record keeping and other skills required for success in both FFA and in future business operations. The impact of Pennsylvania’s agricultural commodities in the global marketplace will be taught through team projects. *Highly recommended for first year FFA members.*
One semester for grades 9-10 and other first year FFA members. 0.5 credit
- 611 AG BUSINESS ECONOMICS. Economic principles are taught in an atmosphere of discussion. Classroom projects that simulate real-life situations encourage students to explore management strategies that maximize profits. Students learn how to manage credit for personal and business purposes. *Meets requirements for Economics in the Social Studies department.*
One semester for grades 11-12. 0.5 credit

SCIENCE - FAMILY AND CONSUMER

- 665 FOODS AND NUTRITION I. This course is an introduction to food preparation, cooking techniques, knife skills, equipment, fundamental nutrition concepts and food appreciation. During lab, students will prepare a variety of foods such as fruits, vegetables, quick and yeast breads, omelets, crepes, pasta, and grains to reinforce the concepts learned. **Minimum lab fee is \$50.00**
One semester for grades 9-12. 0.5 credit
- 666 FOODS AND NUTRITION II. This course will provide students with the opportunity to improve skills in food preparation. Group research projects and labs expose students to advanced food preparation techniques and global foods and diets. During lab, students will make food using eggs, meat, poultry, and fish, while also learning the art of baking and the preparation of yeast breads, homemade pasta, soup, stew and sauces. **Minimum lab fee is \$50.**
Prerequisite Foods and Nutrition I
One semester for grades 9-12. 0.5 credit
- 659 NUTRITIONAL SCIENCE. This course is designed to reinforce and enhance students' knowledge of scientific principles and processes through the study of foods and nutrition. Knowledge of the food industry as well as food preparation will be explored. Some of the topics covered are current events, scientific evaluation, future of food, feed the future, sensory evaluation, kitchen mysteries, acids and bases, lipids, fermentation and food preservation. The hands-on laboratory activities will reinforce the scientific concepts presented. Food labs will reinforce the study of the concepts along with the use of scientific methods in laboratory experiments and food labs. *This course may count as 0.5 Science credit.*
Minimum lab fee is \$45.00
One semester for grades 10-12. 0.5 credit
- 662 INTERNATIONAL CUISINE. This course will broaden students' global understanding and appreciation of food from all parts of the world and the rich heritage that has contributed to them, while developing International cookery techniques. Students will gain a better understanding of our world by experiencing its food, religion and culture. Weekly food labs will be used to create food from around the world. **Minimum lab fee is \$50.00.**
Prerequisite: Foods and Nutrition I
One semester for grades 10-12. 0.5 credit
- 664 CHILD DEVELOPMENT. This course includes not only learning about the physical maturation of children, but also their social, emotional and intellectual development. Special topics covered include prenatal development, birth defects, infertility, child psychology, effective parenting skills and the moral implications that touch these subjects. This course is helpful, but not limited, to those interested in the health care field, child care or education.
One semester for grades 11-12. 0.5 credit
- 667 FASHION AND DESIGN I. This course will emphasize basic elements of clothing design and construction with insights into career possibilities in this field. Students will study history of fashion, fashion designers, textile fundamentals and equipment usage, culminating with the construction of at least three original garments. Students will also have the opportunity to learn alterations and repurposing of clothing.
Students will need to purchase fabric and supplies for each garment they create.
One semester for grades 10-12. 0.5 credit

- 670 **FASHION AND DESIGN II.** This course provides students with the opportunity to learn modern techniques of clothing construction and the basic elements and principles of design. Students will research the future of fabrics and ethical clothing, leading to designing their own fabric. Students will also learn alteration techniques and how to repurpose clothing. There will also be the opportunity to work with Fashion I students through presentations and hands-on help. **Students will need to purchase the fabric and supplies for each garment they create.**
Prerequisite: Fashion and Design I
One semester for grades 10-12. 0.5 credit
- 668 **HOUSING & INTERIOR DESIGN.** This course will allow students to design a future home. Included are housing designs and cultural influences on them, current and historic house styles, floor plans and furniture selection with an emphasis on current trends in home decorating. Career possibilities are explored. Students will also review housing around the world and housing and society. Students develop decision-making skills that can be applied to present and future lifestyles.
One semester for grades 10-12. 0.5 credit
Offered in alternate years: Offered 2022-2023

TECHNOLOGY AND ENGINEERING

- 677 INTRODUCTION TO STEAM. This course is an overview of technology and STEAM careers. The course includes hands-on activities, lab demonstrations, small group work and class discussions. Students will be introduced to topics in welding, construction, metalworking, power technology and woodworking. The technological method of designing, building, testing, evaluating and applying is integrated into the course. **Students will pay for materials used.**
One semester for grades 9-12. 0.5 credit
- 606 CONSTRUCTION TECHNOLOGY. Students learn the basics of electrical wiring, plumbing, and masonry. Students order material for a utility shed, lay out a floor plan and design simple roof trusses. Students also construct one or more storage-type buildings. **Students will pay for parts, materials used, as well as a small deposit for safety equipment.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 11-12. 0.5 credit
- 607 POWER TECHNOLOGY SMALL ENGINES. This course provides students with a theoretical and practical background in operating, maintaining, trouble shooting and repairing of small gasoline engines. Anyone planning to own a car or other motorized equipment will benefit. **Students will pay for materials used, as well as a deposit for safety equipment. This course counts as 0.5 science credit.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 10-12. 0.5 credit
- 609 WELDING AND MECHANICS TECHNOLOGY. Emphasis is on modern processes of joining and separating steel in addition to sheet metal. Skills are learned using the arc welder, plasma cutter, MIG welder, assembly and equipment restoration. Student projects include steel fabrication, tractor restoration and large engines. **Students will pay for parts, materials used, as well as a deposit for safety equipment.** Students interested in advanced welding training should plan to take two semesters.
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 11-12. 0.5 credit
- 687 METALWORKING. Steel, aluminum, copper and brass in various forms are used as exploratory metals. Skill development and an understanding of materials and techniques used by industry and technology are stressed. Forging, casting, machining and other methods are used in the creation of functional products. **Students will pay for materials used.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 10-12. 0.5 credit
- 692 DRAFTING TECHNOLOGY. This course introduces the student to drafting by visualizing and laying out multi-view drawings, descriptive geometry, developments, and working drawings. The first number of drawings is done using hand-drafting tools, giving students the background to use SolidWorks, a 3D computer aided drafting program widely used in industry. This course is a good foundation for majors in engineering and architecture.
One semester for grades 10-12. 0.5 credit

- 689 WOODWORKING. This course features wood as the primary material used for making advanced end-used products. Students manufacture custom products, utilizing advanced techniques including using a CNC (computer numerically controlled) router. Product design and conservation of materials are also studied. Skills and understanding are developed through class discussions, industry visits and production. **Students will pay for materials.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 11-12. 0.5 credit
- 691 ROBOTICS. Students will learn and apply the engineering process in building and programming basic robotic behaviors using motors and sensors. C++, widely used in software applications, will be used to program the VEX V5 robots to complete autonomous tasks as well as controller directed tasks.
One semester for grades 11-12. 0.5 credit
- 695 SENIOR STEAM STUDY. This course is for students interested in pursuing further independent study in STEAM courses of technology including welding, woodworking, metalworking, construction, or power tech.
Prerequisite: Previous course in the area of study
One semester for grade 12. 0.5 credit

ART

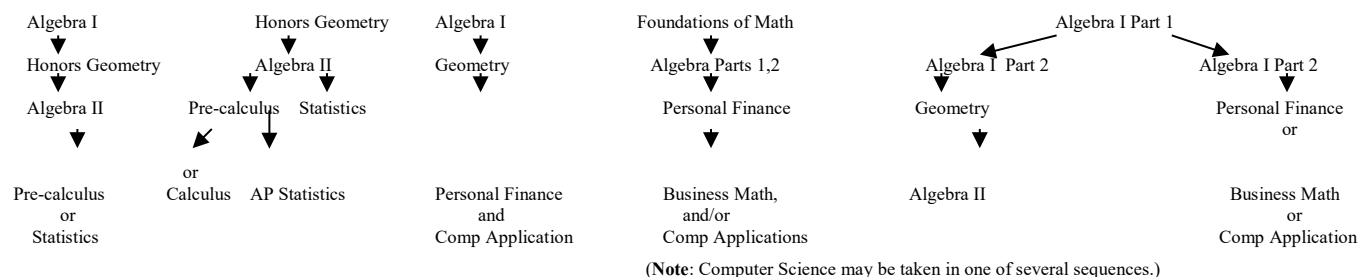
Courses with the ** are considered foundational courses for students pursuing an art career.

- 201 SURVEY OF STUDIO ART. An excellent foundation for all the other art electives, this course focuses on what art is and why people create it. Students work with a variety of media and techniques, including drawing, painting, sculpting, and working with clay. Weekly lessons in art history help students appreciate a wide variety of art and artists.
One semester for grades 9-12. 0.5 credit
- 204 DRAWING. Emphasis is on learning to see. Basic drawing skills are developed along with experiments utilizing many techniques (contour, gesture, value) and media (pen and ink, brush, conté sticks, charcoal, scratch board). Daily sketchbook assignments focus on development of specific drawing skills.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- **206 PAINTING. This studio course provides experience in acrylic and watercolor painting. Emphasis is on color theory and the elements and principles of design. Students will experiment with unusual materials (sand, salt, rice paper), colors, and textures to enhance their paintings.
Prerequisite: Drawing or instructor's permission.
One semester for grades 10-12. **(Lab fee \$25)** 0.5 credit
- **202 TWO-DIMENSIONAL DESIGN. Learn to use the elements and principles of design to create exciting two-dimensional artwork. Students will experiment with many techniques and media (pen and ink, colored pencils, acrylic paints, pastels, and more). Units in basic design, printmaking, and commercial art (typography and layout) are included in this studio course.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- **207 SCULPTURE. Learning to use the elements and principles of design in their projects, students create three-dimensional forms in a variety of media, including wire, plaster, stone, clay and found objects. Studies in art history focus on the prehistoric to modern art periods.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- 203 ART IN ACTION. Students put their artistic skills to active use beyond the classroom. Students will produce art with practical applications such as murals, illustration for publication, program covers, arts in chapel, public art and others. Group and individual projects may integrate art with skills from other disciplines. Emphasis is on good design, excellent craftsmanship, communicating positive values, exploring career options and service to school and community.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- 216 CERAMICS. Hand-building techniques and wheel-throwing skills are the focus of this course. Works by master potters and crafts persons are studied in conjunction with student projects. Both functional and sculptural/design assignments provide a wide range of experience in clay.
Prerequisite: Survey of Studio Art or equivalent. (Lab Fee - \$30)
One semester for grades 9-12. 0.5 credit

- **211** ADVANCED STUDIO. Students will study their choice of drawing, painting, or three-dimensional design by following Advanced Placement Portfolio Guidelines. Course work combines art theory (self-paced study), sketchbook assignments, discussions, and independent projects.
Prerequisite: Normally students follow the sequence of taking Survey of Studio Art, Drawing and Painting or 2-D or Sculpture, but they can enroll with special permission from the art instructor. (Lab fee \$25 per semester)
 One semester for grades 11-12. 0.5 credit
- 214** DIGITAL PHOTOGRAPHY. This course helps students to develop “a photographic eye” to improve the design of their images by learning to utilize all the capabilities of their cameras. Emphasis is on learning to use digital cameras, scanners, and desktop printers for doing photography. Class members also learn to use Photoshop to sharpen their basic image editing skills as well as to explore more advanced tools such as curves, layers and masks. Ethical issues relating to digital imagery are discussed. The course affords students the opportunity to do color photography and helps students get started in photojournalism, commercial photography and fine art photography directions. Students must have access to a digital still camera capable of making images of at least 5-6 Megapixels. **\$40 lab fee.**
Highly recommended for student publications photographers.
 One semester for grades 9-12. 0.5 credit
- 217** DIGITAL ART. Explore digital arts media using adobe software to create images, edit video and create short animations. Throughout this course, students will learn to use the computer to visually communicate their ideas and become better prepared to compete in our ever-changing age of technology. Students will sharpen their drawing skills, incorporate storytelling and engage in creative problem solving. Concepts may include digital imaging, photo manipulation, graphic design, basic animation, storage and file management, and copyright/ethical issues.
Prerequisite: Digital photography
 One semester for grades 10-12. 0.5 credit

MATHEMATICS & COMPUTER SCIENCE

Some Alternate Sequences for Math Courses



Students need a minimum grade of C before moving to the next level of math on the chart.

- 401 GENERAL MATH. This course includes a variety of mathematical areas used in daily life.
 402 Students will work collaboratively and independently as they develop problem solving and critical thinking skills. Beginning algebraic concepts will also be introduced. Relevant daily living projects and assignments are included.
 First and second semester for grades 9-12. 0.5 credit
- 419 ALGEBRA I (Part 1). This course integrates algebra and geometry concepts at a slower pace. The
 420 course focuses on linear concepts and basic geometry. This course prepares students for Algebra I (Part 2). Students should have a scientific calculator.
 Yearlong course for grades 9-12. 1.0 credit
- 434 ALGEBRA I (Part 2). This course is a sequel to Algebra I (Part 1) and integrates algebra and
 435 geometry concepts. This course covers linear and quadratic equations, graphing, and functions in addition to basic geometry. Students who complete both parts of Algebra Parts 1 & 2 will have completed a full Algebra I course with basic geometry. Students should have a scientific calculator. They will be exposed to graphing calculators. This course prepares students for Geometry.
Prerequisite: Must have at least a C grade in Algebra I (Part 1).
 Yearlong course for grades 9-12. 1.0 credit
- *405 ALGEBRA I. This course focuses on extensive use of linear and simple quadratic equations,
 *406 graphing, functions and relationships, and integrates geometry and algebra. Scientific calculators are required. Students are exposed to graphing calculators.
 Yearlong course for grades 9-12. 1.0 credit
- *442 HONORS ALGEBRA II. Builds upon concepts learned in Algebra I. New topics include trigonometry,
 444 quadratic relations, and logarithms. A graphing calculator is required, which costs approximately \$80-\$95. (*Recommended brands: TI-83+ or TI-84.)
Prerequisite: At least a C in Algebra I; At least a grade C in Geometry.
 Yearlong course for grades 9-12. 1.0 credit
- *407 ALGEBRA II. Builds upon concepts learned in Algebra I. New topics include trigonometry,
 408 quadratic relations, and logarithms. A graphing calculator is required which costs approximately \$80-\$95. (*Recommended brands: TI-83+ or TI-84.)
Prerequisite: At least a C in Algebra I; At least a grade C in Geometry.
 Yearlong course for grades 9-12. 1.0 credit

- *409 HONORS GEOMETRY. This course investigates a range of subjects including Euclidean and Non-Euclidean
 *410 Geometry, spatial relations, logic, proof, congruence, transformations, polygons, circles, and the dimensions of various figures. This course reviews Algebra 1 content on a regular basis. Students planning on taking Pre-Calculus should take Honors Geometry.
Prerequisite: At least a C in Algebra 1.
 Yearlong course for grades 9-12. 1.0 credit
- 411 GEOMETRY. This course investigates a range of subjects including Euclidean and Non-Euclidean
 412 Geometry, spatial relations, logic, proof, congruence, transformations, polygons, circles, and the dimensions of various figures. This course reviews Algebra 1 content on a regular basis. Students not planning on taking Pre-Calculus should take Geometry.
Prerequisite: At least a C in Algebra 1 or Algebra I, Part 2.
 Yearlong course. 1.0 credit
- *415 PRE-CALCULUS. An elective which follows Algebra I and II and Geometry. It prepares
 *416 students for college work in mathematics. The structure of the number system is stressed. Topics include sequences and series, mathematical induction, vectors, and trigonometry. A graphing calculator is required.
Prerequisites: At least a grade C in Algebra II and Geometry.
 Yearlong course. 1.0 credit
- *417 ADVANCED PLACEMENT CALCULUS AB. Covers differentiation and integration and some of their
 *418 applications. Limits and analytic geometry also receive quite a bit of attention. Students taking this course may take the Advanced Placement exam and should be able to test out of at least one semester of college calculus. A graphing calculator is required.
This is a weighted course.
Prerequisite: At least a grade C in Pre-Calculus.
 Yearlong course. 1.0 credit
- *422 ADVANCED PLACEMENT CALCULUS BC. Students will explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students will perform experiments and investigations and solve problems by applying their knowledge and skills. Students taking this course may take the Advanced Placement exam and should be able to test out of at least one semester of college calculus. A graphing calculator is required.
This is a weighted course.
Prerequisite: AP Calculus AB.
 One semester. 0.5 credit
- 421 STATISTICS. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data by exploring data, planning a study, producing models and confirming models by statistical inference. This academic course prepares students for either college or the world of work. A T1-83+ or T1-84 graphing calculator is required.
Prerequisite: At least a C in Algebra II.
 One semester for grades 11-12. 0.5 credit

- *423 ADVANCED PLACEMENT STATISTICS. The purpose of this course is to introduce students to
 *424 the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are
 exposed to four broad conceptual themes: exploring data, planning a study, and producing models using
 probability and simulation, and statistical inference. Students completing this course will be prepared for the
 Advanced Placement Statistics Exam. A TI-83 or TI-84 graphing calculator is required.
This is a weighted course.
Prerequisite: At least a C in Pre-Calculus.
 Yearlong course. 1.0 credit
- 400 AP COMPUTER SCIENCE PRINCIPLES. With a unique focus on creative problem solving and
 real-world applications, the AP Computer Science Principles course gives students the opportunity to
 explore several important topics of computing including Web Development, Programming, Digital
 Information, The Internet and Data. Students will use their own ideas and creativity to create artifacts
 of personal value including a final collaborative project. This course will also develop an interest in computer
 science that will foster further endeavors in the field. This course counts for math or science credit.
This is a weighted course.
Prerequisite: Algebra I
 Yearlong course for grades 10-12. 1.0 credit
Offered in alternate years: Offered 2022-2023 and 2024-2025
- 403 COMPUTER SCIENCE PRINCIPLES. With a unique focus on creative problem solving and real-
 world applications, the Computer Science Principles course gives students the opportunity to explore
 Web development and Programming. This course will run concurrently with the AP Computer Science
 Principles course. While covering some of the same material the pace and scope will vary. Students will use
 their own ideas and creativity to create artifacts of personal value including a final collaborative project. This
 course will also develop an interest in computer science that will foster further endeavors in the field. This
 course counts for math or science credit.
Prerequisite: Algebra I
 Semester course for grades 10-12. 0.5 credit
Offered in alternate years: Offered 2022-2023 and 2024-2025
- 440 AP COMPUTER SCIENCE A. This course is an extension of AP Computer Science Principles. AP Computer
 Science A is an introductory college-level computer science course. Students cultivate their understanding of
 coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and
 control structures. This course counts for math or science credit.
This is a weighted course.
Prerequisite: Computer Science Principles
 Yearlong course for grades 10-12. 1.0 credit
Offered in alternate years: Offered 2023-2024 and 2025-2026

Mathematics note:

Mathematics credit may also be earned through either Business Math (0.5 credit), Personal Finance (0.5 credit), or
 Business Analytics (0.5 credit)

SOCIAL STUDIES

High School Social Studies Requirements

0.5 credit – Global Studies or AP Modern World History

0.5 credit – Recent World History or AP Modern World History

1.0 credit – U.S. History or AP U.S. History

Seniors are required to take:

0.5 credit - Individual & Family Studies

And two of the following courses (1 credit total)

0.5 credit of Economics

0.5 credit of Comparative Government

0.5 credit of AP Comparative Government

0.5 credit of AP U.S. Government

- 303 GLOBAL STUDIES. The theme of this course is the value of cultural diversity and a respect for all cultures. This course introduces students to the historical thinking skills (analysis of primary sources and evidence; making historical connections; chronological reasoning; and creating and supporting an argument) that are needed for critical thinking across disciplines in the 21st century. The course focuses on the MSC Faith Practice Statements of respect for diversity, compassionate living, peacebuilding and citizenship in God's kingdom. Students intending to take AP World History in 10th grade are not required to take this course. However, all 9th graders are strongly encouraged to take the course as it builds skills for success in future AP courses.
One semester for grade 9. 0.5 credit
- 305 RECENT WORLD HISTORY. This course will focus on world events from the 1500's to the present, with special emphasis on the growth of the political, economic, and social institutions of Europe, East Asia, South Asia, Africa, Southwest and Central Asia, and the Americas along with the relationship of past events to current situations.
One semester for grade 10. 0.5 credit
- 309 U.S. HISTORY. This survey course begins with the 1870s and continues to the present day. One goal is to acquaint students with major events of American history within a chronological framework. Several historical themes are developed throughout the course to gain understanding of the cumulative impact of past events on present life and issues. Some themes include the impact of changing technology, American culture, ethnic diversity, religious movements, and economic and political development.
Yearlong course for grade 11. 1.0 credit
- 323 ECONOMICS. This course focuses on fundamental economic concepts affecting individuals and the whole economy. Comparing economic systems helps students to understand the foundations of the nation's economy. Economic issues, the role of government, international trade and global economics are all aspects of the course. The course explores the role and importance that international business plays in a diverse, global economy. The course also discusses the environmental and cultural aspects of international business and the major functional areas of trade, economic integration, and the international monetary system.
One semester for grade 12. 0.5 credit

- 339 INDIVIDUAL AND FAMILY STUDIES (9 weeks) / PERSONAL FINANCE (9 weeks). This course examines, from a faith perspective, the family as an important social institution and explores personal finance. Some areas of study include; managing conflict; marriage and family; divorce and family; and family violence. Personal finance topics include financial responsibility and decision making, planning and money management, stewardship, budgeting and charitable giving, credit and debt, and savings and investing.
Required course for grade 12.
One semester for grade 12. 0.5 credit
- 320 COMPARATIVE GOVERNMENT. This course will focus on central concepts of comparative politics-power, political structure, institutions, nationalism and identity, democratization and policy-making. The political systems studied will include the United States along with the government institutions and politics of several case-study countries. This course will present a broader world view that will enable students to better understand the actions of the U.S. government within the context of a global community.
One semester for grade 12. 0.5 credit

Electives

- *317 ADVANCED PLACEMENT MODERN WORLD HISTORY. This college-level, World History course
*318 prepares students to take the Advanced Placement test for college credit. This test will focus on the time period between 1200 C.E. to the present. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. This results in a more holistic, systematic, and global view of history. The course offers balanced global coverage with Africa, the Americas, Asia, and Europe each represented. Students are encouraged to take the 9th grade Social Studies course, Global Studies, before taking AP World History. However, since this year-long course incorporates content from both Global Studies and the 10th grade course, Recent World History, sophomores may take AP World in place of Global Studies and Recent World History.
This is a weighted course.
Yearlong course for grades 10-12. 1.0 credit
- *331 ADVANCED PLACEMENT PSYCHOLOGY. This college level introductory psychology course is designed to introduce the systematic and scientific study of the behavior and mental processes of human beings. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.
This is a weighted course.
One semester course for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2022-2023
- *327 ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS. This course is a college-level, nonpartisan introduction to key concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions and processes. Special emphasis will also be given to the topic of Christian citizenship. **Students may register to receive college credit for this course from Eastern Mennonite University. There is a cost for dual enrollment.**
This is a weighted course.
Prerequisite: Minimum GPA of 3.0
One semester course for grade 12. 0.5 credit

- *333 ADVANCED PLACEMENT U.S. HISTORY. This college-level U.S. history course prepares students to take the Advanced Placement test for college credit. The purpose of this course is to increase students' understanding of United States history from 1700 to 1975. Areas of concentration include political, economic and social history. This is a weighted course. **Students may register to receive college credit for this course from Harrisburg Area Community College (HACC). There is a cost for dual enrollment.**
This is a weighted course.
 One semester course for grade 11 that **meets two periods per day.** 1.0 credit
- *316 HONORS SOCIOLOGY. This college level introductory sociology course examines the interaction of people within social structure of modern society. The course covers patterns of social interaction and social influences on individual conduct. Emphasis will be given to the various institutions within modern society along with social stratification both within the United States and the global community. This college-level introductory sociology course will be geared toward preparing students to take and pass the College Board's College-Level Examination Program (CLEP) test to acquire college placement.
 One semester course for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2023-2024

Note: See Agricultural Science section for an additional Social Studies credit option.

WORLD LANGUAGES

GERMAN

- 501 GERMAN I. Students are introduced to German sounds and useful vocabulary through dialogues
502 and activities based on everyday speech. Though grammar is a part of language study, the main focus
is on learning to communicate in German. Students will spend time learning about the German-
speaking people, their way of life, and the countries from which they come. The language is spoken,
written and heard.
Yearlong course for grades 7-12. 1.0 credit
- 503 GERMAN II. Activities at the second level are directed toward making it possible for students to
504 communicate more accurately in German. Classroom activities are conducted in German when possible.
Attention is also given to listening comprehension, reading, writing, and to learning to deal
with potential situations in a country where German is spoken.
Prerequisite: At least a C average in German I.
Yearlong course for grades 9-12. 1.0 credit
- 505 GERMAN III. Students continue to improve their accuracy in speaking, listening, reading and
506 writing by learning the finer points of grammar and verb tenses in German. In addition to the
textbook, other materials such as magazine and newspaper articles, literary selections, videos and
articles on history and culture will be used to increase vocabulary and the students' knowledge of German and
world issues.
Prerequisite: At least a C average in German II.
Yearlong course for grades 10-12. 1.0 credit
- 507 GERMAN IV. Students learn finer points of grammar and verb tenses in German. Students
508 continue to improve accuracy in speaking, listening, reading and writing and to communicate ideas on
a variety of topics with as little hesitation as possible. Current periodical articles, literary selections
and articles on history and culture will be used in addition to the textbook.
Prerequisite: At least a C average in German III.
Yearlong course for grades 11-12. 1.0 credit

SPANISH

- 511 SPANISH I. This course is open to students with little or no experience in Spanish. Spanish I is
512 proficiency-oriented, based on an integrative approach to the four basic skills: listening, speaking, reading, and
writing. Emphasis is given to developing communication skills through interaction among students and
between students and teacher. Material is also presented to develop an appreciation of Hispanic cultures.
Yearlong course for grades 7-12. 1.0 credit
- 513 SPANISH II. This course builds on the material learned previously by reviewing key grammatical
514 points and adding to basic vocabulary themes presented in first-year Spanish. Communicative activities
continue to be an important aspect of learning to use the language for real-life situations within appropriate
cultural contexts.
Prerequisite: At least a C average in Spanish I.
Yearlong course for grades 9-12. 1.0 credit

- 515 SPANISH III. In this course students are encouraged to begin to express their own thoughts without
 516 solely relying on memorized material. Key grammatical structures are taught to enhance clear and effective communication. Through short reading selections students will continue to develop greater cultural understanding. Spanish III is an important step to help students enlarge upon the basic material learned in levels 1 and 2.
Prerequisite: At least a C average in Spanish II.
 Yearlong course for grades 10-12. 1.0 credit
- 517 SPANISH IV. This course is designed to help students add to a strong base of vocabulary learned
 518 in previous courses. In addition, students will add to their understanding of basic grammatical structure by learning more complex concepts. Students will continue to develop cultural awareness, especially through the reading of Spanish literature. This course receives credit at Mennonite colleges.
Prerequisite: At least a C average in Spanish III.
 Yearlong course for grades 10-12. 1.0 credit
- 519 ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE. In this course students cultivate
 520 their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.
This is a weighted course.
Prerequisite: At least a B average in Spanish IV, participation in the Spanish Immersion Program or heritage speaker
 Yearlong course for grades 9-12. 1.0 credit
This course runs each year, with alternating content. The course may be taken twice, and the AP Exam may be taken either year.
South American Culture: Offered 2022-2023
Central American & Caribbean Culture: Offered 2023-2024
- 521 ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE. In this course students continue to
 522 develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts.
This is a weighted course.
Prerequisite: At least a B average in Spanish IV, participation in the Spanish Immersion Program or heritage speaker
 Yearlong course for grades 11-12. 1.0 credit
Offered in alternate years: Offered 2022-2023

PREK-12 EDUCATION IN A DYNAMIC AND DIVERSE COMMUNITY!

LANCASTER MENNONITE



Lancaster Mennonite School

Grades PreK-12
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Lancaster, PA 17602
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LANCASTER MENNONITE SCHOOL

A PreK-12 Campus

Purpose Statement

Changing our world through innovative Christ-centered education

Lancaster Mennonite School provides PreK-12 education in a diverse community that nurtures students to become creative and innovative learners who are prepared for college, career and life. Centered in Christ and committed to education excellence, students are empowered to change the world through Christlike love, peacemaking and service.

Vision Statement

LMS will be a leader in PreK-12 educational experiences of excellence and character. Through local and global connections in a Christ-centered community lives will be transformed and our world changed.

Our Values

We proudly say that as a school community, *Together we will:*

- *Seek Jesus Wholeheartedly*
- *Live Compassionately*
- *Build Bridges of Peace*
- *Cultivate Global Citizens*
- *Nurture Curiosity and Creativity*
- *Empower Lifelong Learning*

Identity and Memberships

Lancaster Mennonite School is a mission of congregations of the Mennonite Church USA. It is warmly ecumenical and welcomes students from these and other congregations who share the mission of the school. Students are admitted without regard to race, gender or national origin.

Lancaster Mennonite School is accredited through Cognia and the Mennonite Education Agency. Lancaster Mennonite School is a member of the Mennonite School Council and the Lancaster-Lebanon Athletic League.

Connecting Curriculum and Faith

As a leading Christian school, Lancaster Mennonite School offers a comprehensive PreK-12th grade program designed to educate the whole person. The school warmly welcomes students and families desiring an education in a learning community shaped by the following distinctives: Christ-centered, educational excellence, peace and service, community, and faith-infused opportunities. We believe that the key to a Christian education is having Christ at the center of all learning, not as an add-on in the curriculum. Spiritual life involves every activity of the school, and teachers integrate a Christian perspective into all subject areas.

FAITH PRACTICE STATEMENTS

Ultimately, beliefs in our head are nothing unless they are “made flesh” in actual actions and attitudes. We have identified 15 things that, as a result of our faith, we do and are:

1. In this school students know they are loved and valued by God which enables them to value and love each other.
2. Peacebuilding, including the use of restorative discipline, is regularly modeled and practiced as a lifestyle of nonviolence, seeking justice and being part of a reconciling faith community.
3. Our school values and is responsive to cultural, racial and socio-economic diversity.
4. Our school provides a welcoming community where it is emotionally safe to raise questions, to value and learn from differences, and to care for each other.
5. The school enables students to practice global awareness, cultural sensitivity, anti-racism, and compassionate living.
6. Students grow in their understanding of stewardship of all God has entrusted to them, including the natural environment.
7. Staff members in our school are committed to modeling the life of Jesus Christ.
8. Students grow in understanding the process of biblical discernment by asking questions, practicing spiritual disciplines, and engaging with other Christians.
9. Students are encouraged to grow in relationship with Jesus and to follow Jesus daily in life through attitudes and practice.
10. Our school does everything it can to eliminate the obstacles that exclude or hinder the ability of students to receive a faith-infused, education of excellence.
11. Stories and symbols of faith and reconciliation are regularly shared in our school community.
12. Our school invites parents to become partners in the faith formation of their child.
13. Our school is a community that lives the gospel message through praying, serving others, and enabling students to grow in understanding that they can make a positive difference in the world globally and locally.
14. Our school builds a strong faith and learning community in which students and staff support each other.
15. Our school enables students to live a life of curiosity, wonder and mystery as they join with God to bring the reign of God on earth as it is in heaven.

High School Graduation Requirements

To graduate from LMH students must earn 25 credits and satisfactorily complete the senior presentation. Specific credits in grades 9-12 must be earned in the following areas.

Bible, for each year enrolled	0.5 credit
English	4.0 credits
Social Studies	3.5 credits
Mathematics	3.0 credits
Science	3.0 credits
Health, Safety & Physical Education	2.0 credits (1.0 Health + 1.0 PE)
Fine or Practical Arts	1.0 credit

Fine and Practical Arts include agriculture/science technology, art, family and consumer sciences, music and technology education.

At least two years of world language is recommended for most students.

Senior Presentations

In May of their senior year, students will give a presentation that provides an opportunity for them to *reflect* on their life so far, to *acknowledge* appreciation for those who have nurtured them, and to *anticipate* their future.

The presentation will help students to discuss and reflect on:

- Academic growth and learning highlights
- Personal spiritual formation and connection to faith practice statements
- Impact of family, friends, and home experience
- Future plans

Each student will have a 30-minute time slot for sharing, reflecting, and answering audience questions. The audience may consist of family, friends, teachers, friends from church, coaches and influential supporters.

These presentations are a graduation requirement.

Mini-courses and Class Experiences

Lancaster Mennonite School realizes that many significant lifelong skills and interests are developed outside the classroom setting. Mini-courses for grades 11 and 12 and class experiences for grades 9 and 10 provide opportunities for students to learn with their peers and teachers and benefit from teachers' expertise and creativity.

Mini-courses are a minimum of three days and may include overnight trips or day trips for those three days. Students may count school-led summer trips as their mini-course prior to their junior or senior years. Mini-courses focus on an academic area and/or service and occur every two years. Students receive a pass/fail grade for 0.25 credit.

The theme for the *Freshman Experience* is "Building Community" and the theme for the *Sophomore Experience* is "Creation Care". Some class experiences for grades 9 and 10 occur yearly, while some occur every two years when mini-courses occur.

<p style="text-align: center;">Recommended Sequence of Courses for Students attending LMH for Four Years</p>

Grade 9

English	1.0 credit
Social Studies	.5 credit
Mathematics	1.0 credit
Science	1.0 credit
Bible	.5 credit
Physical Education	.5 credit
Health	.5 credit
Electives	

Grade 10

English	1.0 credit
Social Studies	.5 credit
Mathematics	1.0 credit
Science	1.0 credit
Bible	.5 credit
Physical Education	.5 credit
Health	.25 credit
Drivers Education	.25 credit
Electives	

Grade 11

English	1.0 credit
Social Studies	1.0 credit
Mathematics	1.0 credit
Science elective	1.0 credit
Bible	.5 credit
Electives	

Grade 12

English	1.0 credit
Social Studies	1.5 credit
Bible	.5 credit
Mathematics	Recommended
Science	Recommended
Electives	

All transfer students should check with their school counselor concerning any deviation from this program.

<p style="text-align: center;">Grading Standards</p>

A Superior	90-100
B Good	80-89
C Average	70-79
D Below Average	60-69
F Unsatisfactory	Below 60

An incomplete is given only for emergency reasons approved in advance by the teacher and school counselor. An incomplete must be removed within two weeks after the student's return to school or the grade becomes an F.

High School Course Selection

Students should plan their educational programs and course selections carefully, then follow the plan they have chosen. **Any necessary changes to courses and schedules must be made within the first two weeks of a semester. After the second week, changes are permitted only for health emergencies with the approval of the principal.**

Several courses have lab fees noted in the course descriptions. These fees will be deducted from student tuition accounts.

Courses marked with an asterisk (*) in the Curriculum Planning Guide are especially recommended for college-bound students.

AP courses and dual enrollment courses are weighted in our grading system using 1.2 as a multiplier factor when determining GPA. Lancaster Mennonite offers the following:

AP & Dual Enrollment Courses

AP Biology
AP Calculus AB
AP Calculus BC
AP Chemistry
AP Computer Science Principles
AP Computer Science A
AP Literature and Composition
AP Physics C: Mechanics
AP Psychology
AP Spanish Language and Culture
AP Statistics
AP U.S. Government and Politics (*dual enrollment with Eastern Mennonite University*)
AP U.S. History (*dual enrollment with Eastern Mennonite University*)
AP Modern World History
Spiritual Formation (*dual enrollment with Eastern Mennonite University*)

Students need to register for at least six class periods daily for six semesters and seven class periods for two semesters to earn the required 25 credits. Alternate course selections will be used to replace electives if scheduling conflicts occur. Exceptions require school counselor approval.

Early Enrollment Courses

Lancaster Mennonite partners with local colleges and universities to provide students the opportunity to take Early Enrollment courses. These courses are open to juniors and seniors. Decisions on early enrollment should be made in consultation with school counselors and with approval from families. These courses do have additional costs that are paid directly to the college or university. Students can either take these courses on their own, outside of school hours, or use a study hall to work on course requirements.

Harrisburg Community College at Lancaster: www.hacc.edu/Admissions/HighSchoolStudents/

HACC's Dual Enrollment program gives qualified high school juniors and seniors the opportunity to receive college credit at a reduced rate. Students must be recommended for the program and meet course prerequisites through HACC's placement testing, SAT or ACT test scores. Students may enroll in credit courses at the 100-level or higher (some courses may require placement testing and/or pre-requisites) and take college credit courses at any HACC campus, an off-site location or online. College credits may count towards a HACC program or may transfer to other colleges and universities.

Eastern Mennonite University at Lancaster: www.emu.edu/lancaster/gened/enrollment/

EMU at Lancaster offers an early enrollment program for exceptional high school students who wish to enroll in an EMU at Lancaster general education course during their junior or senior year in high school. Students will receive college credit at a reduced rate for these courses. Global issues – social, political, economic, environmental - are important topics to current and future generations. The early enrollment courses at EMU at Lancaster engage these topics through culturally relevant course materials. The following courses are offered in this program:

BIOL 161: Food and Population	3 credits - cross cultural or natural science
CMUS 114: Appreciating Music Making	3 credits - creative arts
HIST 132: U.S. History II: 1865-Present	3 credits - history
HIST 182: The Global Past II 1500 to the Present	3 credits - history
ART 141: Drawing	3 credits - fine arts
STAT 140: Elementary Statistics	3 credits - mathematics
LIT 230: Global Literatures II 1800 to the Present	3 credits - literature
WRIT 150: Speech: Exploring Voice in Vocation	2 credits - speech
WRIT 130: College Writing	3 credits - writing
PSYC 202: Developmental Psychology	3 credits - social science
ENVS 181 Environmental Science	3 credits - natural science

FINE ARTS CERTIFICATE

Students may apply to participate in Lancaster Mennonite's Fine Arts Certificate Program. This program is designed for students who have a passion and commitment to personal growth within the visual or performing arts. Students may pursue certification in three different focus areas: Music, Art, or Drama. Completion of the program includes the completion of a core curriculum, co-curricular involvements, community service, and engagement with local art communities.

MUSIC FOCUS

Students must maintain a minimum of 3.5 GPA

Course Requirements

- Music Theory 1
- Minimum of one semester in choir, piano lab, class voice or guitar class
- Six semesters of instrumental ensemble or choir
- Audition for County Chorus or District Chorus, Band or Orchestra a minimum of one time
- Completion of a senior recital

Community Service

- Performance in minimum of one Music Chapel per year. Assistance in a minimum of three chapels requiring music participation.
- Completion of 10+ music-related, advisor-approved community service hours.

Community Engagement

- Attend a minimum of two concerts outside of school and write a critique for submission to advisor

VISUAL ART FOCUS

Students must maintain a minimum of 3.5 GPA

Course Requirements

- Completion of four of the following: Survey of Studio Art, Drawing, Painting, Ceramics, Two-Dimensional Design, Sculpture, Digital Photography, Art in Action
- Advanced Studio
- Submission to Scholastic or LCYA
- Completion of art portfolio

Community Service

- Completion of 10+ art-related, advisor-approved community service hours.

Community Engagement

- Visit at least five different galleries, with documentation and review submitted to advisor.
- Interview at least one career artist and submit reflection to advisor

DRAMA FOCUS – Includes sub-specializations: Acting, Pit Orchestra, Tech, Production

Students must maintain a minimum of 3.5 GPA

Course Requirements

- Completion of English Literature, Drama Performance, and two semesters of music (one performing ensemble)
- Participation in at least six productions in at least two different areas of specialization.

Community Service

- Completion of 10+ drama-related, advisor-approved community service hours.

Community Engagement

- Attend four different productions at four different venues and write and submit critiques to advisor

COOPERATIVE PROGRAMS

LANCASTER COUNTY CAREER AND TECHNOLOGY CENTERS

Students in full day classes at the Career and Technology Center will be charged a records fee. Additional part-time fees are charged for students taking one or more classes on the Lancaster Campus.

- 645 CAREER & TECHNOLOGY. Juniors and seniors could be eligible for part-time or full-time
646 enrollment in certain vocational programs offered through the Lancaster County Career & Technology Center (LCCTC). A variety of programs are available related to the following fields: cosmetology, construction, technologies and visual communication. Descriptions of programs can be found on their website. Career and technology center students will complete a project at LCCTC that will count for their senior presentation. Anyone interested should consult with their school counselor as early as the sophomore year to plan accordingly. 3.0 or 6.0 credits available

DIVERSIFIED OCCUPATIONS AND SERVICE

Diversified Occupations and Service is designed to benefit both students who will enter the job market after graduation and those who continue their formal education. Diversified Occupations and Service educates students to realize the many occupational opportunities in society and to evaluate their interests and abilities. It also enables them to acquire valuable skills and knowledge as well as the opportunity for realistic job experiences.

- 644 DIVERSIFIED OCCUPATIONS. Students will be required to be in the classroom the first few days of class to complete required paperwork. This course provides students with the opportunity to receive occupational instruction and realistic on-the-job experiences that cannot be offered in the classroom setting. Students are required to find their own employment with an employer who is willing to participate in such a program. Students are required to work at least 15 hours a week for the full semester, usually during the three afternoon classes and in many cases until 5:00 p.m. The program is flexible to meet the needs of individual students. Second semester for grade 12. 1.0 credit
- 651 SERVICE. Service provides students an opportunity to help a teacher. No credit is given for this experience. 0 credit
- 652 PEER TUTORING. Students will have the opportunity to explore the teaching profession working in Learning Support or with middle school and elementary students. They will contribute to the education of individual students or small groups of students through individualization, modeling, motivation, and develop an understanding of similarities they share. Students participating in this program must have a satisfactory school conduct grade and need to be approved by the faculty member they are working with and a school counselor. Students should indicate their interest in Peer Tutoring on their course selection form each year. First or second semester for grades 9-12. 0.5 credit

COURSE DESCRIPTIONS

ACADEMIC SUPPORT

LM offers services to ensure that students who learn differently are given a chance to realize their full potential through a focus on their academic, spiritual, and social growth. Students who might otherwise find it difficult to participate in the general education curriculum have the resources to achieve in the classroom through Individualized Academic Plans that create a roadmap for success. The Academic Support staff work with teachers to facilitate accommodations and differentiation of instruction to ensure that every student receives a quality education that meets their unique needs.

- 800 GUIDED STUDY. This course is designed for Academic Support students who have an Individualized Academic Plan (IAP) and are in Academic Support five periods a week. The course provides support for students in a small group setting and focuses on organization, academic checks, study skills, small group instruction, test support, technology support, and parental and teacher support. A pass/fail grade will be issued for this semester-long course.
First and second semester for grades 9-12 0.25 credit
- 218A ENGLISH 9 FOUNDATIONS. This course parallels components from English 9 while focusing on
218B the development of language art skills. Writing, grammar, and vocabulary are studied in conjunction with literature. Students may only take this course instead of English 9 at the recommendation of Academic Support, school counselor, or the teacher.
Yearlong course 1.0 credit
- 401 GENERAL MATH. This course includes a variety of mathematical areas used in daily life.
402 Students will work collaboratively and independently as they develop problem solving and critical thinking skills. Beginning algebraic concepts will also be introduced. Relevant daily living projects and assignments are included.
First and second semester for grades 9-12 0.5 credit
- 226A ENGLISH 10 FOUNDATIONS. This course parallels components from English 10 while focusing on
226B the development of language art skills. Students will strengthen critical thinking and career writing skills. Students will also examine classic and contemporary world literature, exploring thematic threads which connect the works despite their varied cultural traditions, helping to broaden the students' perspectives. Students may only take this course instead of English 10 at the recommendation of Academic Support, school counselor, or the teacher.
Yearlong course for grade 10. 1.0 credit

BIBLE AND CHURCH HISTORY

- 101 CREATION & PROMISE. This Bible course takes a thematic view of God's narrative with humanity. The course begins with an introduction and overview the Bible. Following the Old Testament narrative, the themes covered in this course include: caring for God's creation; listening to God's voice; living God's way; and working for God's shalom. Each theme is studied using stories from the Old Testament, New Testament and more modern stories of God's interaction with humanity. The themes of the course align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School.
Required.
One semester for grade 9. 0.5 credit
- 103 JESUS' STORY. This Bible course takes a thematic view of God's narrative with humanity. The course begins with an introduction and overview of the New Testament. Following the life of Jesus, the themes covered in this course include: following God's call to love; being known and loved by God; celebrating diversity; being a citizen in the upside-down Kingdom; and practicing grace and forgiveness. Each theme is studied using stories from the Old Testament, New Testament and more modern stories of God's interaction with humanity. The themes of the course align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School.
Required.
One semester for grade 10. 0.5 credit
- 104 GLOBAL CHRISTIANITY. This course is a survey of Christian history from the birth of the church through the Reformation and modern day with an emphasis on the rise of the Anabaptist movement. The course examines the current relationship between Christianity and culture, with lectures and research projects incorporated into the course. Students are helped to understand their faith as they study Christianity in a global context. Themes of this course align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School.
Required.
One semester for grade 11. 0.5 credit
- 107 KINGDOM LIVING. The themes for this course, which align with the Anabaptist Faith Practice Statements of Lancaster Mennonite School, are practical theology; engaging with the world around us; spiritual disciplines; and living in God's Kingdom. This senior level Bible course challenges students to reflect on their own faith journey and culminates with a Capstone project that focuses on an area of interest/service for the student, and how that interest/service connects to their own personal faith journey.
Required.
One semester for grade 12. 0.5 credit
- 112 SPIRITUAL FORMATION. This course may be taken instead of Kingdom Living I and serves as an introduction to Christian Spiritual Formation, its roots in history as well as its present-day implications on both a personal and communal level. It is grounded in the understanding that God is always active in our lives and in the world around us. Spiritual disciplines are one way that we open our eyes, ears, and hearts to God's message for us and for the world. Looking and listening to God's movement enables us to comprehend in a deeper way what it means to be a follower of Jesus in our broken world. Lectures, readings, discussions, papers, journal entries, meeting with a spiritual companion, weekly experiences with a small group and a class retreat form the basis for mutual learning. **Students may register to receive college credit for this course from Eastern Mennonite University. There is a cost for dual enrollment and for the retreat.**
Prerequisite: B average or higher
Second semester for grade 12. 0.5 credit

BUSINESS

Math credit is offered for Personal Finance, Business Math, and Business Analytics.

- 632 INTRODUCTION TO BUSINESS. This course is a basic introduction to the world of business. Topics include the business environment, forms of business organization, management and leadership, human resources, and financial management.
One semester for grades 9-12. 0.5 credit
- 637 BUSINESS MATH. This course will strengthen students' everyday math skills. Students review fundamental math principles. Calculations will be learned that apply to business applications, including income, manufacturing, sales, marketing and distribution. *This course may count as 0.5 math credit.*
One semester for grades 10-12. 0.5 credit
- 620 PERSONAL FINANCE. Concepts of personal financial management are examined from a Christian perspective. Emphasis is placed on career choice, preparing budgets, keeping personal income and expense records, completing simple tax returns, using credit, and understanding banking. Investments and risk management will be explored. *This course may count as 0.5 math credit.*
One semester for grades 10-12. 0.5 credit
- *630 ENTREPRENEURSHIP. This course will teach students the skills needed to establish and manage a business and the characteristics required of a successful entrepreneur. Students will study business plans and then develop their own. Other topics studied include marketing, distribution, promotion, selling, financial management, and operations management.
One semester for grades 11-12. 0.5 credit
- 438 BUSINESS ANALYTICS. This course will prepare students to understand, manage, and visualize the data; apply the appropriate analysis tools; and communicate findings and their relevance. Topics include descriptive analytics and predictive analytics. This will provide a holistic analytics process, including dealing with real-life data that are not "clean" or "small". *This course may count as 0.5 math credit.*
Prerequisite: Algebra II
One semester for grades 11-12. 0.5 credit

ENGLISH

Students are required to earn a minimum of four English credits for graduation.

High School English Requirements

1.0 credit – English 9 or English 9 Foundations

1.0 credit – English 10 or English 10 Foundations

0.5 credit – Communication and Analysis

One additional writing course (0.5 credit total)

0.5 credit of Career English

0.5 credit of Advanced Writing

0.5 credit of English Composition 1 (*AP – dual enrollment with HACC*)

One additional literature course (0.5 credit total)

0.5 credit of Literature of the Bible (offered in alternate years)

0.5 credit of Themes in Literature

0.5 credit of British Literature

0.5 credit of US Literature

0.5 credit of Introduction to Literature (*AP – dual enrollment with HACC*)

One elective course (0.5 credit total)

Any of the above literature or writing courses

0.5 credit of Journalism

0.5 credit of Speech

0.5 credit of Creative Writing

0.5 credit of Drama Performance

218A ENGLISH 9 FOUNDATIONS. This course parallels components from English 9 while focusing on
218B the development of language art skills. Writing, grammar, and vocabulary are studied in conjunction with
literature. Students may only take this course instead of English 9 at the recommendation of Academic
Support, school counselor, or the teacher.
Yearlong course. 1.0 credit

221A ENGLISH 9. Writing, grammar, and vocabulary are studied in conjunction with literature. Units of
221B study include short stories, drama, poetry, nonfiction, ancient epic, and the novel.
Required.
Yearlong course for grade 9. 1.0 credit

226A ENGLISH 10 FOUNDATIONS. This course parallels components from English 10 while focusing on
226B the development of language art skills. Students will strengthen critical thinking and career writing skills.
Students will also examine classic and contemporary world literature, exploring thematic threads which
connect the works despite their varied cultural traditions, helping to broaden the students' perspectives.
Students may only take this course instead of English 10 at the recommendation of Academic Support, school
counselor, or the teacher.
Yearlong course for grade 10. 1.0 credit

- 224A ENGLISH 10. This course will incorporate aspects of writing and literature study, while continuing to
224B develop vocabulary and grammar skills. Students will advance and strengthen critical thinking and academic writing skills through creating a personal narrative, literary analysis, research paper and argument. Students will also examine classic and contemporary world literature, exploring thematic threads which connect the works despite their varied cultural traditions, helping to broaden the students' perspectives.

Required.

Yearlong course for grade 10.

1.0 credit

- 237 COMMUNICATION AND ANALYSIS. The purpose of this course is to study and practice the life skills of listening, speaking, and writing. This media literacy course emphasizes the organization and presentation of information for various purposes and audiences. Contemporary uses of media, including entertainment and advertising, are analyzed and evaluated from a Christian perspective.

Required.

One semester for grade 11.

0.5 credit

Writing Courses

- 245 CAREER ENGLISH. Students learn the written and oral communication skills necessary to get a job and function well in a work environment.
One semester for grades 11-12.

0.5 credit

- *235 ADVANCED WRITING. Students are guided through the writing of several papers, including an extensive research paper. This course for college-bound students practices a peer revision model to give and receive feedback.

One semester for grades 11-12.

0.5 credit

- *250 ENGLISH COMPOSITION I (Advanced Placement). Designed to develop fluency in writing clear, forceful, and effective prose, this course, when taken in conjunction with Introduction to Literature (AP), is intended to prepare students to take the AP Literature and Composition exam for college credit.

This is a weighted course.

Prerequisite: A or B in Advanced Writing or A in English 10.

Second semester for grades 11-12.

0.5 credit

Literature Courses

- 234 LITERATURE OF THE BIBLE. The artistic dimension of the Bible is emphasized through careful study of various types of literature found in it, including narrative, poetry, wisdom literature, gospels, and epistles. The course will focus on themes that flow throughout the Bible including: community & relationships, living with the unknown, grief and brokenness, reconciliation, remembrance and celebration, and sending (missio dei). Students will be analyzing the text along with art and music inspired by the text.

One semester for grades 11-12.

0.5 credit

Offered in alternate years: Offered 2023-2024

- 229 THEMES IN LITERATURE. The literature studied is organized around themes of high interest to students. Themes include death, love, courage, and friendship.

One semester for grades 11-12.

0.5 credit

- *230 BRITISH LITERATURE. Students study the major authors of the principal literary periods from *Beowulf* to 20th century poetry such as Shakespeare and Romanticism, and become aware of recurring themes that link students of today with people of all times.
One semester for grades 11-12. 0.5 credit
- *244 U.S. LITERATURE. A survey course sampling United States literature from the colonial times through the 20th century, U.S. Literature will explore how works relate to their historical and social contexts, the Christian worldview, and their writers' view of life. U.S. Literature will correlate to the AP U.S. History curriculum.
One semester course for grades 11-12. 0.5 credit
- *259 INTRODUCTION TO LITERATURE (Advanced Placement). Designed to develop understanding and to increase human experience through literature, this college level course, when taken in conjunction with English Composition I, is intended to prepare students to take the AP Literature and Composition exam for college credit. The major literary types (poetry, fiction, and drama) are defined and illustrated through examples drawn from English and American literature as well as other literatures of the world.
This is a weighted course.
First semester for grade 12. 0.5 credit

Electives

- 227 JOURNALISM. This course introduces students to the various types and styles of journalistic writing. An elective course, Journalism is recommended for students considering applying to school publications.
One semester for grades 10-12. 0.5 credit
- *248 SPEECH. Students learn to deal with fear and nervousness and to be confident and effective in a speaking situation. Class activities include group discussions, extemporaneous and memorized speeches, and critiques. An emphasis is on applying speech skills outside of class.
Prerequisite: Communication and Analysis
One semester course for grades 11-12. 0.5 credit
- 261 DRAMA: PERFORMANCE. This course introduces the art of drama as communication. Students are challenged to develop skill in vocal articulation, projection, improvisation, stage presence, and familiarization with dramatic terms.
One semester for grades 11-12. 0.5 credit
- 249 CREATIVE WRITING. The writing of short stories, poetry, and plays encourages imaginative expression. For students who enjoy writing and are ready for a challenge.
One semester for grades 11-12. 0.5 credit
- 247 YEARBOOK. Staff members use a period daily to work on the yearbook. Only students already appointed to the staff should include this in their schedule. Students receive a pass or fail grade. Recommended prior courses: Journalism, Photography, and/or Two-dimensional Design.
First semester for grades 11-12. 0.25 credit

ESL (ENGLISH AS A SECOND LANGUAGE)

ESL classes serve students who are learning English as a non-native language. The goal of ESL is to bring students to a level of English proficiency whereby they can participate fully in other academic courses and transition successfully to postsecondary education.

Initial placement for incoming international students is based primarily on the English proficiency test score submitted with the student's application (TOEFL iBT, TOEFL JR, ITEP SLATE or IELTS). Local students will be evaluated and placed in the appropriate level. Movement between levels is determined by teacher recommendations, grades in ESL and other courses, and updated proficiency test scores. It is not uncommon for students to remain at the same level for multiple semesters. Since most colleges require a TOEFL iBT score of at least 80 for admission, students who desire to exit the high school ESL program are expected to score at least near that level.

Additional fees are charged for all levels of ESL. Fees are adjusted each semester to reflect the student's current level. Please refer to our website or contact our business office for current ESL fees.

- 222A ESL LEVEL 2. Level 2 focuses on improving students' basic English skills in reading, writing,
222B speaking, and listening. Class work and assignments are designed to help students increase their vocabulary and communication skills in order to participate in school life and work toward functioning in a regular classroom. Students in Level 2 do not take another English class.
One semester. 0.5 credit
- 223A ESL LEVEL 3. Level 3 serves to help improve students' English communication skills in reading,
223B writing, speaking, and listening to a level where they can begin to function in a regular classroom. Students also receive language level appropriate assignments and testing in their regular courses as well as advocacy by the ESL Level 3 teacher. Students in Level 3 generally do not take another English course. ESL Level 3 meets one period each day.
One semester. 0.5 credit
- 224A ESL LEVEL 4. Level 4 is designed to assist students with a smooth transition to all regular classes,
224B especially English classes, without modifications. Students focus on vocabulary development, academic writing skills, literature reading and interpretation, and test-taking skills (especially the TOEFL iBT). ESL Level 4 students may, with teacher recommendation, take an additional English course. Students taking ESL 4 are required to take the TOEFL iBT, TOEFL JR., ITEP SLATE, or IELTS as a part of each semester's coursework and grade. A TOEFL/iBT score of 75 or equivalent is needed to successfully complete the program. In addition, students are required to participate in an extracurricular activity.
One semester. 0.5 credit

HEALTH, SAFETY AND PHYSICAL EDUCATION

- 703 PERSONAL HEALTH STRATEGIES. This course focuses on providing the necessary skills and information to help students make informed decisions regarding their personal health. Specific units include mental health, relationships, nutrition, and individual growth and development.
Required in grade 9 or 10.
 One semester. 0.5 credit
- 704 PRINCIPLES OF LIFETIME FITNESS. This course will equip students with the necessary tools to make choices and take actions that lead to a physically fit life. Various activities will be utilized to provide opportunities for students to enhance their level of physical fitness.
Prerequisite for all other PE courses.
Required in grade 9 or 10.
 One semester. 0.5 credit
- 705 CONSUMER HEALTH AND DRIVER SAFETY EDUCATION. The health component gives students the necessary information to be wise consumers of health products and services. Specific health units include first aid, health insurance, and substance abuse. The driver education component includes 30 hours of classroom instruction required of a state approved driver safety-training program. Students desiring behind-the-wheel instruction need to make separate arrangements.
Required in grade 10 (*other grades require special arrangement with their school counselor*)
 One semester. 0.25 credit each for Health/Driver Education 0.5 credit
- 783 FOUNDATIONS OF INDIVIDUAL AND TEAM SPORTS. This course will ensure that students have a solid understanding of fundamental rules and skills necessary to play a variety of sports. The overall goal is to help students find activities that they will use to help maintain wellness.
Required in grade 9 or 10.
 One semester. 0.5 credit
- 787 FALL TEAM SPORTS. The major team sports in this unit include basketball, touch or flag football, soccer, softball, street hockey, and volleyball. Each student will be required to dress-out and participate in the activity selected for that day. This will be an exciting course for students who enjoy playing team sports and want to get in shape at the same time. This course is for any student who wants to play sports and is not intended for varsity athletes looking to perfect skills for competition.
 One semester for grades 11 and 12. 0.5 credit
- 788 SPRING TEAM SPORTS. The major team sports in this unit include indoor/outdoor soccer, basketball, volleyball, street hockey, and Styx ball (lacrosse). Each student will be required to dress-out and participate in the activity selected for that day. This will be an exciting course for students who enjoy playing team sports and want to get in shape at the same time. This course is for any student who wants to play sports and is not intended for varsity athletes looking to perfect skills for competition.
 One semester for grades 11 and 12. 0.5 credit
- 789 WEIGHT TRAINING AND CONDITIONING. The emphasis of this course will be on physical fitness (cardiovascular endurance) and weight training. Each student will participate in a circuit-type weight training program geared for his/her own personal needs and abilities in order to develop and maintain a high level of cardiovascular endurance and good muscle tone throughout the body. Each student will be evaluated on his/her own merit and will not be compared to other students. This course is designed for students who like the challenge of setting personal goals and are willing to work hard to reach those goals.
 One semester for grades 11 and 12. 0.5 credit

- 790 WEIGHT TRAINING AND CONDITIONING II. For students who wish to continue their program beyond the first course.
One semester for grades 11 and 12. 0.5 credit
- 795 LIFETIME SPORTS. This course exposes students to a variety of games and leisure activities that can be utilized to maintain fitness over one's lifetime. Examples of activities include: Ultimate Frisbee, Disc Golf, Racquetball Sports, Bocce, Group Games, etc.
One semester for grades 11 and 12. 0.5 credit

MUSIC

- 267 VOICE CLASS. Voice Class is open to all students. It is highly recommended for Concert Choir and Campus Chorale members. Emphasis is placed on proper singing technique. Students learn to read music. The song literature explores many styles, including spirituals, folk songs, art songs, Broadway songs, and a Christmas selection. Emphasis is placed on gaining confidence and self-acceptance of each individual voice. A public recital concludes the course in January.
One semester for grades 9-12. 0.5 credit
- 271 MUSIC THEORY I. Music Theory 1 opens understanding of music to students who currently play an instrument or sing. Students examine how to get the most from music and all the ways it can be synthesized (listening, performing, composing) and how changes progressed in music history.
One semester for grades 9-12. 0.5 credit
- 285 PIANO LAB. Piano lab is an introductory piano course but students at all levels will be accepted. Advanced students may work independently. A strong desire to learn to play songs on a piano is required. Emphasis will be placed on learning to read music, but students will also be encouraged to play by ear.
One semester for grades 9-12. 0.5 credit
- 275 CONCERT CHOIR. Concert Choir is a non-auditioned choir. In addition to singing good choral literature and
276 preparing for performances, emphasis is placed on proper habits for singers, sight-reading music skills, and getting a good choral blend. Students enrolled in the fall concert choir will be expected to participate in the Christmas program. Students enrolled in the spring Concert Choir will be expected to participate in the spring concert in May. *A yearlong commitment is encouraged.*
For grades 9-12. 0.5 credit/semester
- 272 GUITAR I. For the beginning guitar student. Each student is asked to purchase a text and have his/her own acoustic guitar. It is advisable to have some background in music before taking this course; however, previous experience is not required.
One semester for grades 10-12. 0.5 credit
- 279 CAMPUS CHORALE. Admission is by audition. Members are chosen on the basis of musical and
280 vocal ability, personal discipline, and spiritual maturity. Campus Chorale is the main performing choir of LMH and gives programs in local churches, participates in the MSEC Choir Festival, and an adjudicated choir festival. Members are required to participate in all scheduled performances unless specifically excused by the director. **Choir members are expected to pay for their own choir outfits, as well as any other fees.**
Regular attendance at rehearsals is essential.
Yearlong course for grades 11-12. 1.0 credit

String Orchestra, Concert Band and Jazz Band

The instrumental ensembles of the school are made up of the String Orchestra, Concert Band and Jazz Band. Students are expected to stay with the ensemble they have chosen for the entire school year. Students are encouraged to take private lessons on their instruments outside of school. The school owns a few instruments that may be rented at a reasonable rate. Attendance at all rehearsals and scheduled concerts is expected. **Students will be asked to cover costs related to the MSEC Band and Orchestra Festival.**

- 265 STRING ORCHESTRA. String orchestra is open to students from grades 9-12 who play violin, viola,
266 cello, or string bass. The string orchestra rehearses five periods a week. Sectionals may take place on alternate days. *A yearlong commitment is preferred.*
Yearlong course. 1.0 credit
- 269 CONCERT BAND. This ensemble is open to students in grades 9-12, and all levels of musical experience are
270 welcome. Concert band rehearses three times a week. This group delivers concerts at Lancaster Mennonite and to the broader community *A yearlong commitment is preferred.*
Yearlong course. 0.6 credit
- 273 JAZZ ENSEMBLE. Jazz ensemble is open to students in grades 9-12, and all levels of musical experience are
278 welcome. The ensemble meets twice a week. Members who play wind instruments normally must also be members of the concert band. Regular attendance at rehearsals and participation in concerts is expected. *A yearlong commitment is preferred.*
Yearlong course. 0.4 credit

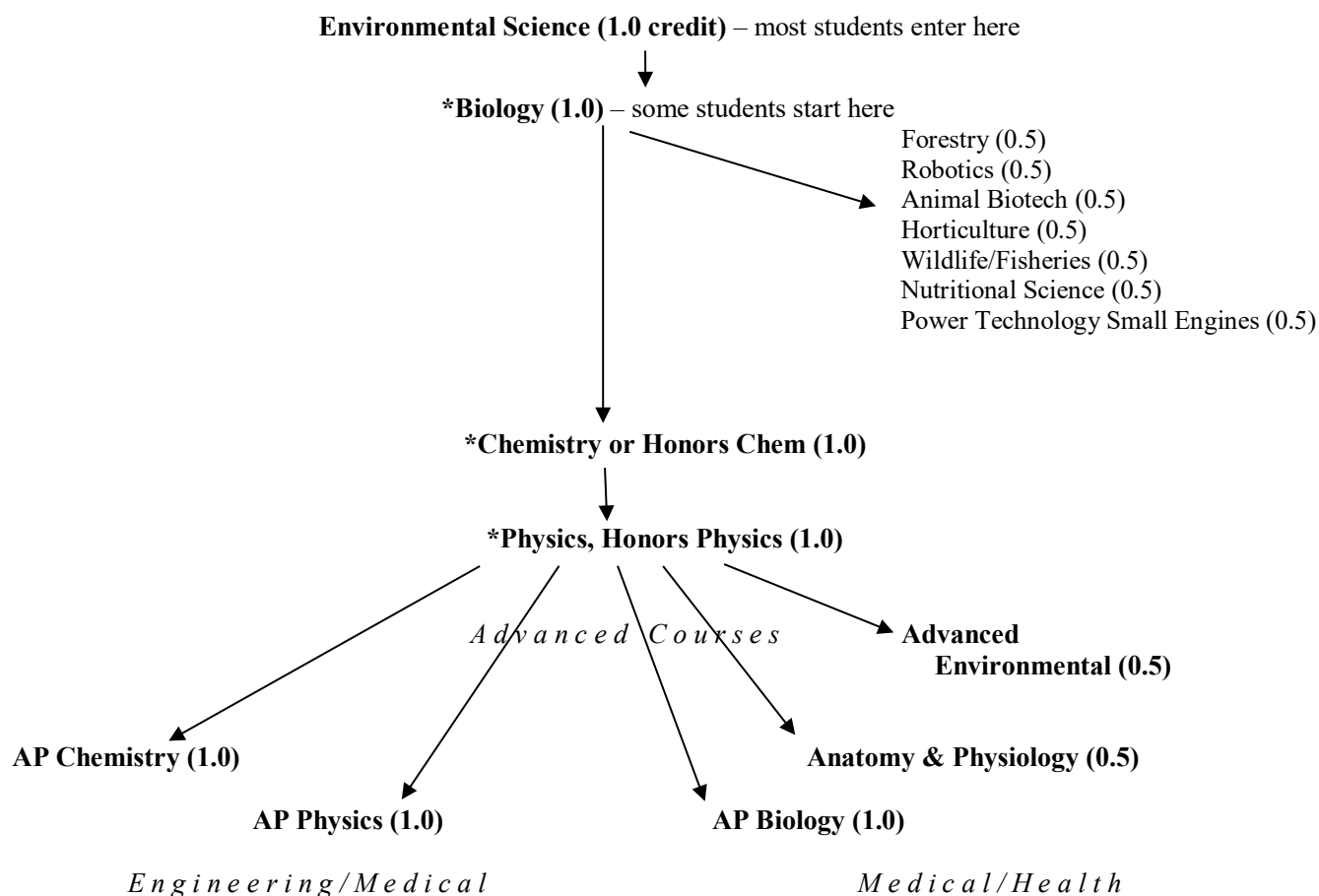
Private Lessons

Private vocal and instrumental instruction may be available for students wanting to enhance their performance skills. Arrangements for lessons are made through the music department. Please check with instructors.

STEAM PATHWAYS

SCIENCE

- *Requirement: 3 credits; 2 of the credits must be selected from courses in bold print.*
- Courses marked with * are basic requirements for most colleges.



One science credit may also be earned by taking two 0.5 credit courses from Agricultural Science, Technology, and/or Family and Consumer Sciences. Options include:

- Animal Biotechnology
- Robotics
- Forestry & Environment
- Horticulture
- Nutritional Science
- Power Technology–Small Engines
- Wildlife and Fisheries Science

- 451 ENVIRONMENTAL SCIENCE. With the campus as our extended laboratory we will explore how God's earth operates. We will examine the gifts of atmosphere, aquatic systems, and the land and how they have been used and misused. The goal is to prepare us to be good stewards of God's creation.
One semester course; **meets two periods per day**. 1.0 credit
- 453 BIOLOGY. God's gift of life to plants, animals and people is marvelous. Biology helps us awaken these wonders. A variety of laboratory and class activities is designed to lay a foundation to understand the living world, both for persons who will take advanced studies as well as those who do not.
Prerequisite: A or B in Algebra I or completion of Environmental Science.
For grades 9-12.
One semester course; **meets two periods per day OR**
Yearlong course, **meets one period per day** 1.0 credit
- *455 CHEMISTRY. This course examines the structure and properties of matter, and investigates the interaction of elements and compounds that permeate the world around us. It is designed for the college bound student, although it is encouraged for everyone. Student lab work and demonstrations are integrated with the reading and problem solving involved in this course of study.
Prerequisite: Geometry.
One semester course for grades 10-12; **meets two periods per day**. 1.0 credit
- *456 HONORS CHEMISTRY. This course examines the structure and properties of matter and investigates interactions of elements and compounds that permeate the world around us. It is designed as an option to be taken instead of chemistry for those college-bound students who may be interested in a science or math related field. Student lab work and demonstrations are integrated with the reading and problem solving involved in this course of study.
Prerequisite: A or B in previous Science and Math courses. Completed or enrolled in Algebra II.
One semester course for grades 10-12; **meets two periods per day**. 1.0 credit
- *459 PHYSICS. This course is an inquiry based course which examines the physical laws which describe our universe. Lab work is essential to the course and provides opportunity to explore and apply these physical laws. Concepts covered are drawn from the areas of motion, energy, static and current electricity, and wave theory.
Prerequisite: Chemistry and Algebra II.
One semester course for grades 11 or 12; **meets two periods per day**. 1.0 credit
- *460 HONORS PHYSICS. This course may be taken instead of Physics 459. Students will examine the physical laws which describe our universe. Designing labs, performing labs and problem solving is essential to the course. The labs and problems are more in depth and complex than in Physics 459. Requirements for the spring semester include attending and successfully completing the Hersheypark Physics Day Lab (approximate cost is \$40).
Prerequisite: A or B in Algebra II and Chemistry.
One semester course for grades 11 or 12; **meets two periods per day**. 1.0 credit

The science department recommends that a student complete Biology, Chemistry and Physics before enrolling in the following advanced science courses.

- *466 ANATOMY AND PHYSIOLOGY. This course emphasizes human anatomy and physiology. It is of special interest for, but not limited to, students interested in health and medical-related fields.
Prerequisites: A or B in biology and chemistry.
One semester for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2022-2023
- *468 ADVANCED PLACEMENT BIOLOGY. This is a rigorous and demanding second-year biology course designed for the highly motivated college-bound student with a special interest in the sciences. The course will focus on four main themes: cellular biology, molecular genetics, biological systems, and population genetics. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time. The course will prepare students to take the AP Biology exam in May which may enable them to obtain college credits.
This is a weighted course.
Prerequisite: A or B in biology and chemistry. Completed or enrolled in Pre-Calculus.
Yearlong course for grades 11-12, meets one period per day. 1.0 credit
Offered in alternate years: Offered 2023-2024
- *457A ADVANCED PLACEMENT CHEMISTRY. This course is a second year chemistry class designed for the highly motivated college bound student with a special interest in the sciences. It will involve a deeper study of matter with a closer look at the steps involved in how it changes. It will prepare students for taking the AP Chemistry exam in May which will enable them to obtain up to eight college credits.
This is a weighted course.
Prerequisite: A or B in first year chemistry. Completed or enrolled in Pre-Calculus.
Yearlong course for grades 11-12. 1.0 credit
Offered in alternate years: Offered 2022-2023
- *464 ADVANCED ENVIRONMENTAL SCIENCE. This course will focus on the scientific study of our environment and the impact we have on it. It includes examining land and energy use, water and air quality, and our impact on the various ecosystems around the world. Our own campus will provide us with hands on lab work. Students planning on taking the AP exam are encouraged to also take Forestry and the Environment or Wildlife and Fisheries Science.
Prerequisites: A or B in biology and chemistry.
One semester for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2023-2024
- *458 ADVANCED PLACEMENT PHYSICS. This course is normally a second year physics class designed for the highly motivated college bound student who has a special interest in engineering or physics. This is a calculus based physics course that will prepare students to take the Advanced Placement Physics “C” test in Mechanics. Topics we will cover are kinematics, Newton’s laws of motion, work, energy, power, linear momentum, circular motion, rotation, oscillations and gravitation. Labs will be more extensive than honors physics labs and will take place about once a week. Throughout the course a lot of emphasis will be placed on problem solving. Requirements for the spring semester include attending and successfully completing the Hersheypark Physics Day Lab (approximate cost is \$40).
This is a weighted course.
Prerequisites: A or B in Physics. Completed or enrolled in AP Calculus AB.
One semester for grades 11-12; **meets two periods per day.** 1.0 credit

SCIENCE - AGRICULTURE

Recommended Sequence of Courses for Agricultural Science & Technology Students:

Environmental Science (Grade 9)
Intro to Ag Science (Grade 9-10)
Forestry & Environment (Grades 9-12)
Horticulture (Grades 9-12)
Power Technology Small Engines (Grades 10-12)
Animal Biotechnology (Grades 9-12)
Wildlife and Fisheries Science (Grades 10-12)
Construction Technology (Grades 11-12)
Welding & Mechanics Technology (Grades 11-12)
Ag Business Economics (Grades 11-12)
Financial Accounting (Grades 10-12)

Recommended Courses for College-bound Agricultural Science & Technology Students:

Intro to Ag Science
Animal Biotechnology
Horticulture and/or Forestry & Environment
Pre-Calculus
Chemistry or Honors Chemistry
Physics, Honors Physics or AP Biology
Advanced Writing or Career English
Power Technology and/or Welding & Mechanics Technology and/or Construction Technology
Ag Business Economics
Two years of a World Language

FFA To be part of FFA, students are required to select at least one agricultural science and technology course each year. Leadership training, public speaking and other life skills gained in FFA prepare students for post high school experiences. FFA meets during the co-curricular periods. Students in grade 9 should enroll in Environmental Science first semester and Ag Business Economics second semester. Independent Study is offered for most courses in cases where it is impossible for students to schedule an agricultural science or technology course to meet the FFA credit requirement.

601 FORESTRY AND ENVIRONMENT. Students learn to identify many of the trees common to the northeastern United States. This course includes units on multiple uses of the forest such as lumber, energy, wildlife, conservation and reforestation. Students will also contribute to the preservation of the environment. *This course may count as 0.5 Science credit.*
One semester for grades 9-12. 0.5 credit

602 WILDLIFE AND FISHERIES SCIENCE. Students will learn about the different aspects and career opportunities of wildlife and fisheries management and natural resource conservation. This course will include units on identification, habitat management, and small mammal study. Outdoor activities and studies will use the campus woodlands and aquatic areas as an outdoor lab. *The course counts as 0.5 science credit.*
One semester for grades 10-12. 0.5 credit

603 ANIMAL BIOTECHNOLOGY. This course focuses on veterinary and animal production. Students explore practical aspects of animal reproduction, nutrition and health. Units include dairy, swine, beef and horses. This course provides an excellent foundation for agri-business careers, farmers and introductory vet-science for college freshmen. *This course may count as 0.5 Science credit.*
One semester for grades 9-12. 0.5 credit

- 608 HORTICULTURE. This course provides knowledge and skills for work in greenhouse management, plant propagation, integrated pest management (IPM), and landscaping. Students participate in many hands-on lab activities as well as the design of a landscape plan. During spring weather, students work outdoors in practical landscape care. *This course counts as 0.5 science credit.*
One semester for grades 9-12. 0.5 credit
- 610 INTRODUCTION TO AG SCIENCE. This is a leadership course for beginning FFA members where students learn management entrepreneurship, record keeping and other skills required for success in both FFA and in future business operations. The impact of Pennsylvania's agricultural commodities in the global marketplace will be taught through team projects. *Highly recommended for first year FFA members.*
One semester for grades 9-10 and other first year FFA members. 0.5 credit
- 611 AG BUSINESS ECONOMICS. Economic principles are taught in an atmosphere of discussion. Classroom projects that simulate real-life situations encourage students to explore management strategies that maximize profits. Students learn how to manage credit for personal and business purposes. *Meets requirements for Economics in the Social Studies department.*
One semester for grades 11-12. 0.5 credit

SCIENCE - FAMILY AND CONSUMER

- 665 FOODS AND NUTRITION I. This course is an introduction to food preparation, cooking techniques, knife skills, equipment, fundamental nutrition concepts and food appreciation. During lab, students will prepare a variety of foods such as fruits, vegetables, quick and yeast breads, omelets, crepes, pasta, and grains to reinforce the concepts learned. **Minimum lab fee is \$50.00**
One semester for grades 9-12. 0.5 credit
- 666 FOODS AND NUTRITION II. This course will provide students with the opportunity to improve skills in food preparation. Group research projects and labs expose students to advanced food preparation techniques and global foods and diets. During lab, students will make food using eggs, meat, poultry, and fish, while also learning the art of baking and the preparation of yeast breads, homemade pasta, soup, stew and sauces. **Minimum lab fee is \$50.**
Prerequisite Foods and Nutrition I
One semester for grades 9-12. 0.5 credit
- 659 NUTRITIONAL SCIENCE. This course is designed to reinforce and enhance students' knowledge of scientific principles and processes through the study of foods and nutrition. Knowledge of the food industry as well as food preparation will be explored. Some of the topics covered are current events, scientific evaluation, future of food, feed the future, sensory evaluation, kitchen mysteries, acids and bases, lipids, fermentation and food preservation. The hands-on laboratory activities will reinforce the scientific concepts presented. Food labs will reinforce the study of the concepts along with the use of scientific methods in laboratory experiments and food labs. *This course may count as 0.5 Science credit.*
Minimum lab fee is \$45.00
One semester for grades 10-12. 0.5 credit
- 662 INTERNATIONAL CUISINE. This course will broaden students' global understanding and appreciation of food from all parts of the world and the rich heritage that has contributed to them, while developing International cookery techniques. Students will gain a better understanding of our world by experiencing its food, religion and culture. Weekly food labs will be used to create food from around the world. **Minimum lab fee is \$50.00.**
Prerequisite: Foods and Nutrition I
One semester for grades 10-12. 0.5 credit
- 664 CHILD DEVELOPMENT. This course includes not only learning about the physical maturation of children, but also their social, emotional and intellectual development. Special topics covered include prenatal development, birth defects, infertility, child psychology, effective parenting skills and the moral implications that touch these subjects. This course is helpful, but not limited, to those interested in the health care field, child care or education.
One semester for grades 11-12. 0.5 credit
- 667 FASHION AND DESIGN I. This course will emphasize basic elements of clothing design and construction with insights into career possibilities in this field. Students will study history of fashion, fashion designers, textile fundamentals and equipment usage, culminating with the construction of at least three original garments. Students will also have the opportunity to learn alterations and repurposing of clothing.
Students will need to purchase fabric and supplies for each garment they create.
One semester for grades 10-12. 0.5 credit

- 670 FASHION AND DESIGN II. This course provides students with the opportunity to learn modern techniques of clothing construction and the basic elements and principles of design. Students will research the future of fabrics and ethical clothing, leading to designing their own fabric. Students will also learn alteration techniques and how to repurpose clothing. There will also be the opportunity to work with Fashion I students through presentations and hands-on help. **Students will need to purchase the fabric and supplies for each garment they create.**
Prerequisite: Fashion and Design I
One semester for grades 10-12. 0.5 credit
- 668 HOUSING & INTERIOR DESIGN. This course will allow students to design a future home. Included are housing designs and cultural influences on them, current and historic house styles, floor plans and furniture selection with an emphasis on current trends in home decorating. Career possibilities are explored. Students will also review housing around the world and housing and society. Students develop decision-making skills that can be applied to present and future lifestyles.
One semester for grades 10-12. 0.5 credit
Offered in alternate years: Offered 2022-2023

TECHNOLOGY AND ENGINEERING

- 677 INTRODUCTION TO STEAM. This course is an overview of technology and STEAM careers. The course includes hands-on activities, lab demonstrations, small group work and class discussions. Students will be introduced to topics in welding, construction, metalworking, power technology and woodworking. The technological method of designing, building, testing, evaluating and applying is integrated into the course. **Students will pay for materials used.**
One semester for grades 9-12. 0.5 credit
- 606 CONSTRUCTION TECHNOLOGY. Students learn the basics of electrical wiring, plumbing, and masonry. Students order material for a utility shed, lay out a floor plan and design simple roof trusses. Students also construct one or more storage-type buildings. **Students will pay for parts, materials used, as well as a small deposit for safety equipment.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 11-12. 0.5 credit
- 607 POWER TECHNOLOGY SMALL ENGINES. This course provides students with a theoretical and practical background in operating, maintaining, trouble shooting and repairing of small gasoline engines. Anyone planning to own a car or other motorized equipment will benefit. **Students will pay for materials used, as well as a deposit for safety equipment. This course counts as 0.5 science credit.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 10-12. 0.5 credit
- 609 WELDING AND MECHANICS TECHNOLOGY. Emphasis is on modern processes of joining and separating steel in addition to sheet metal. Skills are learned using the arc welder, plasma cutter, MIG welder, assembly and equipment restoration. Student projects include steel fabrication, tractor restoration and large engines. **Students will pay for parts, materials used, as well as a deposit for safety equipment.** Students interested in advanced welding training should plan to take two semesters.
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 11-12. 0.5 credit
- 687 METALWORKING. Steel, aluminum, copper and brass in various forms are used as exploratory metals. Skill development and an understanding of materials and techniques used by industry and technology are stressed. Forging, casting, machining and other methods are used in the creation of functional products. **Students will pay for materials used.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 10-12. 0.5 credit
- 692 DRAFTING TECHNOLOGY. This course introduces the student to drafting by visualizing and laying out multi-view drawings, descriptive geometry, developments, and working drawings. The first number of drawings is done using hand-drafting tools, giving students the background to use SolidWorks, a 3D computer aided drafting program widely used in industry. This course is a good foundation for majors in engineering and architecture.
One semester for grades 10-12. 0.5 credit

- 689 WOODWORKING. This course features wood as the primary material used for making advanced end-used products. Students manufacture custom products, utilizing advanced techniques including using a CNC (computer numerically controlled) router. Product design and conservation of materials are also studied. Skills and understanding are developed through class discussions, industry visits and production. **Students will pay for materials.**
Prerequisite: Introduction to STEAM or teacher approval
One semester for grades 11-12. 0.5 credit
- 691 ROBOTICS. Students will learn and apply the engineering process in building and programming basic robotic behaviors using motors and sensors. C++, widely used in software applications, will be used to program the VEX V5 robots to complete autonomous tasks as well as controller directed tasks.
One semester for grades 11-12. 0.5 credit
- 695 SENIOR STEAM STUDY. This course is for students interested in pursuing further independent study in STEAM courses of technology including welding, woodworking, metalworking, construction, or power tech.
Prerequisite: Previous course in the area of study
One semester for grade 12. 0.5 credit

ART

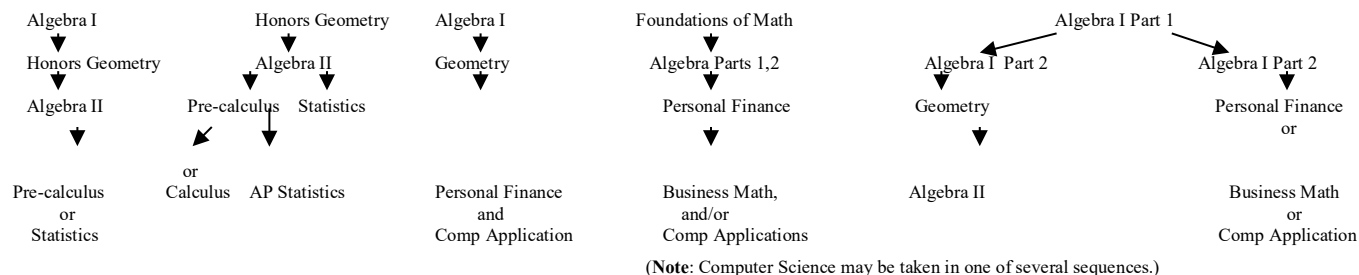
Courses with the ** are considered foundational courses for students pursuing an art career.

- 201 SURVEY OF STUDIO ART. An excellent foundation for all the other art electives, this course focuses on what art is and why people create it. Students work with a variety of media and techniques, including drawing, painting, sculpting, and working with clay. Weekly lessons in art history help students appreciate a wide variety of art and artists.
One semester for grades 9-12. 0.5 credit
- 204 DRAWING. Emphasis is on learning to see. Basic drawing skills are developed along with experiments utilizing many techniques (contour, gesture, value) and media (pen and ink, brush, conté sticks, charcoal, scratch board). Daily sketchbook assignments focus on development of specific drawing skills.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- **206 PAINTING. This studio course provides experience in acrylic and watercolor painting. Emphasis is on color theory and the elements and principles of design. Students will experiment with unusual materials (sand, salt, rice paper), colors, and textures to enhance their paintings.
Prerequisite: Drawing or instructor's permission.
One semester for grades 10-12. **(Lab fee \$25)** 0.5 credit
- **202 TWO-DIMENSIONAL DESIGN. Learn to use the elements and principles of design to create exciting two-dimensional artwork. Students will experiment with many techniques and media (pen and ink, colored pencils, acrylic paints, pastels, and more). Units in basic design, printmaking, and commercial art (typography and layout) are included in this studio course.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- **207 SCULPTURE. Learning to use the elements and principles of design in their projects, students create three-dimensional forms in a variety of media, including wire, plaster, stone, clay and found objects. Studies in art history focus on the prehistoric to modern art periods.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- 203 ART IN ACTION. Students put their artistic skills to active use beyond the classroom. Students will produce art with practical applications such as murals, illustration for publication, program covers, arts in chapel, public art and others. Group and individual projects may integrate art with skills from other disciplines. Emphasis is on good design, excellent craftsmanship, communicating positive values, exploring career options and service to school and community.
Prerequisite: Survey of Studio Art or equivalent.
One semester for grades 9-12. 0.5 credit
- 216 CERAMICS. Hand-building techniques and wheel-throwing skills are the focus of this course. Works by master potters and crafts persons are studied in conjunction with student projects. Both functional and sculptural/design assignments provide a wide range of experience in clay.
Prerequisite: Survey of Studio Art or equivalent. (Lab Fee - \$30)
One semester for grades 9-12. 0.5 credit

- **211** ADVANCED STUDIO. Students will study their choice of drawing, painting, or three-dimensional design by following Advanced Placement Portfolio Guidelines. Course work combines art theory (self-paced study), sketchbook assignments, discussions, and independent projects.
Prerequisite: Normally students follow the sequence of taking Survey of Studio Art, Drawing and Painting or 2-D or Sculpture, but they can enroll with special permission from the art instructor. (Lab fee \$25 per semester)
 One semester for grades 11-12. 0.5 credit
- 214** DIGITAL PHOTOGRAPHY. This course helps students to develop “a photographic eye” to improve the design of their images by learning to utilize all the capabilities of their cameras. Emphasis is on learning to use digital cameras, scanners, and desktop printers for doing photography. Class members also learn to use Photoshop to sharpen their basic image editing skills as well as to explore more advanced tools such as curves, layers and masks. Ethical issues relating to digital imagery are discussed. The course affords students the opportunity to do color photography and helps students get started in photojournalism, commercial photography and fine art photography directions. Students must have access to a digital still camera capable of making images of at least 5-6 Megapixels. **\$40 lab fee.**
Highly recommended for student publications photographers.
 One semester for grades 9-12. 0.5 credit
- 217** DIGITAL ART. Explore digital arts media using adobe software to create images, edit video and create short animations. Throughout this course, students will learn to use the computer to visually communicate their ideas and become better prepared to compete in our ever-changing age of technology. Students will sharpen their drawing skills, incorporate storytelling and engage in creative problem solving. Concepts may include digital imaging, photo manipulation, graphic design, basic animation, storage and file management, and copyright/ethical issues.
Prerequisite: Digital photography
 One semester for grades 10-12. 0.5 credit

MATHEMATICS & COMPUTER SCIENCE

Some Alternate Sequences for Math Courses



Students need a minimum grade of C before moving to the next level of math on the chart.

- 401 GENERAL MATH. This course includes a variety of mathematical areas used in daily life.
 402 Students will work collaboratively and independently as they develop problem solving and critical thinking skills. Beginning algebraic concepts will also be introduced. Relevant daily living projects and assignments are included.
 First and second semester for grades 9-12. 0.5 credit
- 419 ALGEBRA I (Part 1). This course integrates algebra and geometry concepts at a slower pace. The
 420 course focuses on linear concepts and basic geometry. This course prepares students for Algebra I (Part 2). Students should have a scientific calculator.
 Yearlong course for grades 9-12. 1.0 credit
- 434 ALGEBRA I (Part 2). This course is a sequel to Algebra I (Part 1) and integrates algebra and
 435 geometry concepts. This course covers linear and quadratic equations, graphing, and functions in addition to basic geometry. Students who complete both parts of Algebra Parts 1 & 2 will have completed a full Algebra I course with basic geometry. Students should have a scientific calculator. They will be exposed to graphing calculators. This course prepares students for Geometry.
Prerequisite: Must have at least a C grade in Algebra I (Part 1).
 Yearlong course for grades 9-12. 1.0 credit
- *405 ALGEBRA I. This course focuses on extensive use of linear and simple quadratic equations,
 *406 graphing, functions and relationships, and integrates geometry and algebra. Scientific calculators are required. Students are exposed to graphing calculators.
 Yearlong course for grades 9-12. 1.0 credit
- *442 HONORS ALGEBRA II. Builds upon concepts learned in Algebra I. New topics include trigonometry,
 444 quadratic relations, and logarithms. A graphing calculator is required, which costs approximately \$80-\$95. (*Recommended brands: TI-83+ or TI-84.)
Prerequisite: At least a C in Algebra I; At least a grade C in Geometry.
 Yearlong course for grades 9-12. 1.0 credit
- *407 ALGEBRA II. Builds upon concepts learned in Algebra I. New topics include trigonometry,
 408 quadratic relations, and logarithms. A graphing calculator is required which costs approximately \$80-\$95. (*Recommended brands: TI-83+ or TI-84.)
Prerequisite: At least a C in Algebra I; At least a grade C in Geometry.
 Yearlong course for grades 9-12. 1.0 credit

- *409 HONORS GEOMETRY. This course investigates a range of subjects including Euclidean and Non-Euclidean
 *410 Geometry, spatial relations, logic, proof, congruence, transformations, polygons, circles, and the dimensions of various figures. This course reviews Algebra 1 content on a regular basis. Students planning on taking Pre-Calculus should take Honors Geometry.
Prerequisite: At least a C in Algebra 1.
 Yearlong course for grades 9-12. 1.0 credit
- 411 GEOMETRY. This course investigates a range of subjects including Euclidean and Non-Euclidean
 412 Geometry, spatial relations, logic, proof, congruence, transformations, polygons, circles, and the dimensions of various figures. This course reviews Algebra 1 content on a regular basis. Students not planning on taking Pre-Calculus should take Geometry.
Prerequisite: At least a C in Algebra 1 or Algebra 1, Part 2.
 Yearlong course. 1.0 credit
- *415 PRE-CALCULUS. An elective which follows Algebra I and II and Geometry. It prepares
 *416 students for college work in mathematics. The structure of the number system is stressed. Topics include sequences and series, mathematical induction, vectors, and trigonometry. A graphing calculator is required.
Prerequisites: At least a grade C in Algebra II and Geometry.
 Yearlong course. 1.0 credit
- *417 ADVANCED PLACEMENT CALCULUS AB. Covers differentiation and integration and some of their
 *418 applications. Limits and analytic geometry also receive quite a bit of attention. Students taking this course may take the Advanced Placement exam and should be able to test out of at least one semester of college calculus. A graphing calculator is required.
This is a weighted course.
Prerequisite: At least a grade C in Pre-Calculus.
 Yearlong course. 1.0 credit
- *422 ADVANCED PLACEMENT CALCULUS BC. Students will explore the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students will perform experiments and investigations and solve problems by applying their knowledge and skills. Students taking this course may take the Advanced Placement exam and should be able to test out of at least one semester of college calculus. A graphing calculator is required.
This is a weighted course.
Prerequisite: AP Calculus AB.
 One semester. 0.5 credit
- 421 STATISTICS. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data by exploring data, planning a study, producing models and confirming models by statistical inference. This academic course prepares students for either college or the world of work. A T1-83+ or T1-84 graphing calculator is required.
Prerequisite: At least a C in Algebra II.
 One semester for grades 11-12. 0.5 credit

- *423 ADVANCED PLACEMENT STATISTICS. The purpose of this course is to introduce students to
 *424 the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, and producing models using probability and simulation, and statistical inference. Students completing this course will be prepared for the Advanced Placement Statistics Exam. A TI-83 or TI-84 graphing calculator is required.
This is a weighted course.
Prerequisite: At least a C in Pre-Calculus.
 Yearlong course. 1.0 credit
- 400 AP COMPUTER SCIENCE PRINCIPLES. With a unique focus on creative problem solving and real-world applications, the AP Computer Science Principles course gives students the opportunity to explore several important topics of computing including Web Development, Programming, Digital Information, The Internet and Data. Students will use their own ideas and creativity to create artifacts of personal value including a final collaborative project. This course will also develop an interest in computer science that will foster further endeavors in the field. This course counts for math or science credit.
This is a weighted course.
Prerequisite: Algebra I
 Yearlong course for grades 10-12. 1.0 credit
Offered in alternate years: Offered 2022-2023 and 2024-2025
- 403 COMPUTER SCIENCE PRINCIPLES. With a unique focus on creative problem solving and real-world applications, the Computer Science Principles course gives students the opportunity to explore Web development and Programming. This course will run concurrently with the AP Computer Science Principles course. While covering some of the same material the pace and scope will vary. Students will use their own ideas and creativity to create artifacts of personal value including a final collaborative project. This course will also develop an interest in computer science that will foster further endeavors in the field. This course counts for math or science credit.
Prerequisite: Algebra I
 Semester course for grades 10-12. 0.5 credit
Offered in alternate years: Offered 2022-2023 and 2024-2025
- 440 AP COMPUTER SCIENCE A. This course is an extension of AP Computer Science Principles. AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. This course counts for math or science credit.
This is a weighted course.
Prerequisite: Computer Science Principles
 Yearlong course for grades 10-12. 1.0 credit
Offered in alternate years: Offered 2023-2024 and 2025-2026

Mathematics note:

Mathematics credit may also be earned through either Business Math (0.5 credit), Personal Finance (0.5 credit), or Business Analytics (0.5 credit)

SOCIAL STUDIES

High School Social Studies Requirements

0.5 credit – Global Studies or AP Modern World History

0.5 credit – Recent World History or AP Modern World History

1.0 credit – U.S. History or AP U.S. History

Seniors are required to take:

0.5 credit - Individual & Family Studies

And two of the following courses (1 credit total)

0.5 credit of Economics

0.5 credit of Comparative Government

0.5 credit of AP Comparative Government

0.5 credit of AP U.S. Government

- 303 GLOBAL STUDIES. The theme of this course is the value of cultural diversity and a respect for all cultures. This course introduces students to the historical thinking skills (analysis of primary sources and evidence; making historical connections; chronological reasoning; and creating and supporting an argument) that are needed for critical thinking across disciplines in the 21st century. The course focuses on the MSC Faith Practice Statements of respect for diversity, compassionate living, peacebuilding and citizenship in God's kingdom. Students intending to take AP World History in 10th grade are not required to take this course. However, all 9th graders are strongly encouraged to take the course as it builds skills for success in future AP courses.
One semester for grade 9. 0.5 credit
- 305 RECENT WORLD HISTORY. This course will focus on world events from the 1500's to the present, with special emphasis on the growth of the political, economic, and social institutions of Europe, East Asia, South Asia, Africa, Southwest and Central Asia, and the Americas along with the relationship of past events to current situations.
One semester for grade 10. 0.5 credit
- 309 U.S. HISTORY. This survey course begins with the 1870s and continues to the present day. One goal is to acquaint students with major events of American history within a chronological framework. Several historical themes are developed throughout the course to gain understanding of the cumulative impact of past events on present life and issues. Some themes include the impact of changing technology, American culture, ethnic diversity, religious movements, and economic and political development.
Yearlong course for grade 11. 1.0 credit
- 323 ECONOMICS. This course focuses on fundamental economic concepts affecting individuals and the whole economy. Comparing economic systems helps students to understand the foundations of the nation's economy. Economic issues, the role of government, international trade and global economics are all aspects of the course. The course explores the role and importance that international business plays in a diverse, global economy. The course also discusses the environmental and cultural aspects of international business and the major functional areas of trade, economic integration, and the international monetary system.
One semester for grade 12. 0.5 credit

- 339 INDIVIDUAL AND FAMILY STUDIES (9 weeks) / PERSONAL FINANCE (9 weeks). This course examines, from a faith perspective, the family as an important social institution and explores personal finance. Some areas of study include; managing conflict; marriage and family; divorce and family; and family violence. Personal finance topics include financial responsibility and decision making, planning and money management, stewardship, budgeting and charitable giving, credit and debt, and savings and investing.
Required course for grade 12.
One semester for grade 12. 0.5 credit
- 320 COMPARATIVE GOVERNMENT. This course will focus on central concepts of comparative politics-power, political structure, institutions, nationalism and identity, democratization and policy-making. The political systems studied will include the United States along with the government institutions and politics of several case-study countries. This course will present a broader world view that will enable students to better understand the actions of the U.S. government within the context of a global community.
One semester for grade 12. 0.5 credit

Electives

- *317 ADVANCED PLACEMENT MODERN WORLD HISTORY. This college-level, World History course
*318 prepares students to take the Advanced Placement test for college credit. This test will focus on the time period between 1200 C.E. to the present. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. This results in a more holistic, systematic, and global view of history. The course offers balanced global coverage with Africa, the Americas, Asia, and Europe each represented. Students are encouraged to take the 9th grade Social Studies course, Global Studies, before taking AP World History. However, since this year-long course incorporates content from both Global Studies and the 10th grade course, Recent World History, sophomores may take AP World in place of Global Studies and Recent World History.
This is a weighted course.
Yearlong course for grades 10-12. 1.0 credit
- *331 ADVANCED PLACEMENT PSYCHOLOGY. This college level introductory psychology course is designed to introduce the systematic and scientific study of the behavior and mental processes of human beings. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.
This is a weighted course.
One semester course for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2022-2023
- *327 ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS. This course is a college-level, nonpartisan introduction to key concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions and processes. Special emphasis will also be given to the topic of Christian citizenship. **Students may register to receive college credit for this course from Eastern Mennonite University. There is a cost for dual enrollment.**
This is a weighted course.
Prerequisite: Minimum GPA of 3.0
One semester course for grade 12. 0.5 credit

- *333 ADVANCED PLACEMENT U.S. HISTORY. This college-level U.S. history course prepares students to take the Advanced Placement test for college credit. The purpose of this course is to increase students' understanding of United States history from 1700 to 1975. Areas of concentration include political, economic and social history. This is a weighted course. **Students may register to receive college credit for this course from Harrisburg Area Community College (HACC). There is a cost for dual enrollment.**
This is a weighted course.
One semester course for grade 11 that **meets two periods per day.** 1.0 credit
- *316 HONORS SOCIOLOGY. This college level introductory sociology course examines the interaction of people within social structure of modern society. The course covers patterns of social interaction and social influences on individual conduct. Emphasis will be given to the various institutions within modern society along with social stratification both within the United States and the global community. This college-level introductory sociology course will be geared toward preparing students to take and pass the College Board's College-Level Examination Program (CLEP) test to acquire college placement.
One semester course for grades 11-12. 0.5 credit
Offered in alternate years: Offered 2023-2024

Note: See Agricultural Science section for an additional Social Studies credit option.

WORLD LANGUAGES

GERMAN

- 501 GERMAN I. Students are introduced to German sounds and useful vocabulary through dialogues
502 and activities based on everyday speech. Though grammar is a part of language study, the main focus
is on learning to communicate in German. Students will spend time learning about the German-
speaking people, their way of life, and the countries from which they come. The language is spoken,
written and heard.
Yearlong course for grades 7-12. 1.0 credit
- 503 GERMAN II. Activities at the second level are directed toward making it possible for students to
504 communicate more accurately in German. Classroom activities are conducted in German when possible.
Attention is also given to listening comprehension, reading, writing, and to learning to deal
with potential situations in a country where German is spoken.
Prerequisite: At least a C average in German I.
Yearlong course for grades 9-12. 1.0 credit
- 505 GERMAN III. Students continue to improve their accuracy in speaking, listening, reading and
506 writing by learning the finer points of grammar and verb tenses in German. In addition to the
textbook, other materials such as magazine and newspaper articles, literary selections, videos and
articles on history and culture will be used to increase vocabulary and the students' knowledge of German and
world issues.
Prerequisite: At least a C average in German II.
Yearlong course for grades 10-12. 1.0 credit
- 507 GERMAN IV. Students learn finer points of grammar and verb tenses in German. Students
508 continue to improve accuracy in speaking, listening, reading and writing and to communicate ideas on
a variety of topics with as little hesitation as possible. Current periodical articles, literary selections
and articles on history and culture will be used in addition to the textbook.
Prerequisite: At least a C average in German III.
Yearlong course for grades 11-12. 1.0 credit

SPANISH

- 511 SPANISH I. This course is open to students with little or no experience in Spanish. Spanish I is
512 proficiency-oriented, based on an integrative approach to the four basic skills: listening, speaking, reading, and
writing. Emphasis is given to developing communication skills through interaction among students and
between students and teacher. Material is also presented to develop an appreciation of Hispanic cultures.
Yearlong course for grades 7-12. 1.0 credit
- 513 SPANISH II. This course builds on the material learned previously by reviewing key grammatical
514 points and adding to basic vocabulary themes presented in first-year Spanish. Communicative activities
continue to be an important aspect of learning to use the language for real-life situations within appropriate
cultural contexts.
Prerequisite: At least a C average in Spanish I.
Yearlong course for grades 9-12. 1.0 credit

- 515 SPANISH III. In this course students are encouraged to begin to express their own thoughts without
 516 solely relying on memorized material. Key grammatical structures are taught to enhance clear and effective communication. Through short reading selections students will continue to develop greater cultural understanding. Spanish III is an important step to help students enlarge upon the basic material learned in levels 1 and 2.
Prerequisite: At least a C average in Spanish II.
 Yearlong course for grades 10-12. 1.0 credit
- 517 SPANISH IV. This course is designed to help students add to a strong base of vocabulary learned
 518 in previous courses. In addition, students will add to their understanding of basic grammatical structure by learning more complex concepts. Students will continue to develop cultural awareness, especially through the reading of Spanish literature.
Prerequisite: At least a C average in Spanish III.
 Yearlong course for grades 10-12. 1.0 credit
- 519 ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE. In this course students cultivate
 520 their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.
This is a weighted course.
Prerequisite: At least a B average in Spanish IV, participation in the Spanish Immersion Program or heritage speaker
 Yearlong course for grades 9-12. 1.0 credit
This course runs each year, with alternating content. The course may be taken twice, and the AP Exam may be taken either year.
South American Culture: Offered 2022-2023
Central American & Caribbean Culture: Offered 2023-2024
- 521 ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE. In this course students continue to
 522 develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts.
This is a weighted course.
Prerequisite: At least a B average in Spanish IV, participation in the Spanish Immersion Program or heritage speaker
 Yearlong course for grades 11-12. 1.0 credit
Offered in alternate years: Offered 2022-2023