



MAGNIFICAT

**2018-2019
Curriculum Guide**

Magnificat High School,
a girls' Catholic college-preparatory high school,
founded and sponsored by the Sisters of the Humility of Mary,
calls young women to live Mary's *Magnificat* in the world.

MISSION

We educate young women holistically
to learn, lead and serve
in the spirit of Mary's *Magnificat*.

CONTENTS

Graduation Requirements.....	4
Sample Schedules.....	5
Academic Recognition.....	6
College Credit PLUS.....	7
Theology.....	8-9
Business and Presentation Technology.....	9
Computer Programming.....	10
Counseling & Student Support Services.....	11
English.....	12, 13, 14
Health & Physical Education.....	15
Mathematics.....	16, 17, 18
Performing Arts.....	19
Science.....	20, 21, 22, 23
Social Studies.....	23, 24, 25
Visual Arts.....	26, 27, 28, 29
World Languages.....	30, 31, 32, 33
Schedule Changes.....	34
Administration.....	34
Counseling & Student Support Personnel.....	34



Course Descriptions School Year 2018-2019

Graduation and College Preparatory Recommendations

- 25 credits are required for graduation.
 - 4 credits in Theology are required in addition to the state requirement of 21 credits.
- The successful completion of a Senior Genesis project is also required for graduation.
Classroom Guidance classes are required of each student.

Note: Required courses must be taken at Magnificat. Each student must carry a minimum of 6 credits per school year.

<i>Subject</i>	<i>Graduation Requirement Credits</i>	<i>Ideal College Preparatory Recommendation Credits</i>
Theology	4	4
English	4	4
Performing or Visual Art	1	1
Health/Physical Education	1	1
Mathematics	4	4
Science	3	4
Social Studies	3	3
World Language	2	4
Communication Technology	1/2	1/2
Global Communications and Research	1/2	1/2

Credit Flexibility

The Credit Flexibility Program is available to any student capable of completing the work outlined in a written Credit Flexibility Plan. There is no limit on the number of credits a student can earn under this program; however, Magnificat High School will only approve coursework or options that are consistent with our Mission, Values and Catholic Identity. The application form is available on Plusportals; questions should be directed to a student's counselor.

We educate young women holistically to learn, lead and serve in the spirit of Mary's *Magnificat*.

MAGNIFICATHS.ORG



Course Descriptions School Year 2018-2019

Recommended College Preparatory Schedule

At Magnificat faculty, parents, and students work together to create the kind of caring environment that fosters spiritual growth and intellectual development. Within that atmosphere, each student is challenged to mature in her pursuit of knowledge and understanding. To achieve that goal, the following course of studies is recommended for all students preparing for college.

Freshman Schedule

1. Freshman Theology
2. English 9 (Honors as recommended)
3. Math (Algebra 1, Geometry, or Honors Geometry, as recommended)
4. Biology 1 (Honors as recommended)
5. Arabic/Chinese/French/Spanish
6. Performing Art or Visual Art
7. Personal Wellness and Healthy Living
8. Communication Technology
9. Global Communications and Research
10. High School Compass

Sophomore Schedule

1. Sophomore Theology
2. English 10 (Honors as recommended)
3. Math (as recommended)
4. Science (Honors as recommended)
5. Arabic/Chinese/French/Spanish
6. World History (AP as recommended)
7. Lifetime Fitness
8. High School Compass
½ credit elective

Junior Schedule

1. Junior Theology
2. English 11/English core option
(Honors English 11 as recommended)
3. Math (as recommended)
4. Science (Honors & AP as recommended)
5. Economics/United States Government
(AP Macroeconomics/AP United States Government and Politics as recommended)
5. High School Compass
Electives
Language (based on recommended):
Arabic/Chinese/French/Spanish

Senior Schedule

1. Senior Theology
2. English 12/English core option
(AP Lit & Composition as recommended)
3. Math (as recommended)
4. United States History (AP as recommended)
5. Science (Honors & AP as recommended)
6. High School Compass
Electives

Academic Recognition

Students who follow a strong academic program over 4 years may be recognized at the end of senior year with one or more of the following awards:

OHIO STATE BOARD OF EDUCATION

❖ Diploma with Honors

Magnificat graduates are eligible for a diploma with honors as defined by the State Board of Education if they meet all but one of the following criteria:

- English 4 credits
- Fine Arts 1 credit
- Math 4 credits
(including Algebra 1, Algebra 2,
Geometry & a higher level course)
- Science 4 credits
(including Physics & Chemistry)
- Social Studies 4 credits
- World Language 3 credits
(must include 3 credits of same
language or 2 credits in each
of 2 languages)
- Electives no elective requirement
- GPA—3.5 on a 4-point scale
- Composite Score—27 on ACT or 1280 on SAT

❖ President’s Award for Educational Excellence

- GPA 3.5–4.0
- SAT Score 1280
- ACT Score 27

Please note the principal plays a leading role and has sole discretion in choosing recipients

❖ President’s Award for Educational Excellence

A. Grade Point Average: Students are to earn a grade point average of 90 on a 100 point scale. (an A on a letterscale or a 3.5 on a 4.0 scale). When computing grade point averages at the respective award level, only the years at that level are to be included through the fall semester of the exiting grade. Note: Elementary schools are not to include K-3 in their computations.

B. School Criteria/Standards: Standards for the award are to be established by each school that reflect a 90 percent level or higher on the traditional grading scale. This category enables school personnel to use new assessment and evaluation tools in developing award criteria at their school and apply the criteria fairly to all students. The primary indicators of excellence must be based on academic achievement. School personnel may also consider, as part of the criteria, activities in which a student demonstrates high motivation, initiative, integrity, intellectual depth, leadership qualities and/or exceptional judgment. They may also require student essays and outstanding attendance, but these activities must bear some relationship to the academic performance of a student.

C. In addition to A or B, schools are to include one more criteria to determine their selected students: State tests and Nationally-Normed Achievement Tests: High achievement in reading or math on state tests or nationally-normed tests. The school may consider college admissions examinations for seniors, for example the SAT or ACT.

College Credit PLUS

College Credit Plus (CCP) is a program offered by the State of Ohio that provides students in grades 7-12 the opportunity to take college-level courses from a public college or university for free while earning high school credit. If the student chooses a private college or university, there may be limited costs.

Magnificat students who wish to enroll in this program will work with their school counselors and the university admissions counselors to establish their schedules. Interested students must contact their colleges of interest for information on the application process and criteria for acceptance. Classes may be taken on a college campus, online, or at Magnificat.

Students may take courses through the CCP program during the school year or during the summer. More information can be found at www.ohiohighered.org/ccp.

Students interested in CCP must follow the steps outlined below:

1. The student demonstrates the ability and has the desire to pursue college level coursework.
2. Prior to Magnificat course registration, the student expresses an interest to her counselor and schedules a meeting to discuss possible options.
3. During course registration, the student registers for high school courses. Schedules will be adjusted once college acceptance is granted and the college course has been scheduled.
4. The student must complete an Intent to Participate form and return it to his/her counselor prior to March 21.
5. February 15—April 8, the parent or guardian establishes a SAFE Account through the Ohio Department of Education.
6. The student applies to the college of interest. The student will be required to meet the entrance criteria set by the college.
7. February 25—April 8, the parent or guardian applies for funding through the SAFE Account. A College acceptance letter is needed to apply for funding.
8. Once funding is approved (by May 15) the student may register for the college courses of interest.

Benefits

1. Classes are offered at a high level of difficulty and provide students with rigorous coursework.
2. Students complete high school graduation requirements and college credits simultaneously.
3. Students are able to exercise independence and responsibility for their own learning (may also be a risk).
4. Classes can be taken in a subject not offered in the high school's curriculum.
5. Earn college credit at NO cost to the student or family.
6. Students will gain a permanent college transcript that may be submitted to any college when applying for admission (may also be a risk).
7. Many credits earned at Ohio public colleges are guaranteed to transfer to any other Ohio public college.

Risks

1. Private and out-of-state colleges may not accept college credits earned through CCP.
2. May reduce opportunities for participating in high school activities if college classes are after school or on weekends.
3. May take a student out of the high school course sequencing and present a challenge if the student chooses to re-enter the high school program.
4. A second semester senior risks not graduating if the student fails or drops the course because Magnificat graduation requirements will not have been met.
5. Could affect athletic eligibility.
6. A failed or dropped CCP class will be included on the high school and college transcripts and calculated into the Cumulative GPA.

Theology

The Theology program is essential to the Catholic identity of Magnificat High School. Although centered on The Doctrinal Elements of a Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age published by The United States Conference of Catholic Bishops in 2008, the program also provides understanding of Mary and the Magnificat and the history and heritage of the school and the sponsoring community, the Sisters of the Humility of Mary. In addition, the theology program promotes and enriches the faith dimension of each student and enables her to apply the principles reflected upon in daily life.

115 Freshman Theology

- 9 required
- 1 credit
- year
- 10 mod

Prerequisite: None

- The Revelation of Jesus Christ in Scripture (Core 1, Bishop's Framework)

Students will gain a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will encounter the living Word of God, Jesus Christ.

- Who is Jesus Christ? (Core 2)

Students will be introduced to the mystery of Jesus Christ, the living word of God, the Second Person of the Blessed Trinity. Students will deepen their understanding that Jesus Christ is the ultimate revelation of God and in learning about who he is, they will also learn who he calls them to be.

In addition, students will reflect on the charism of our founding order, the Sisters of the Humility of Mary, as well on the implications of the mission statement of our school and Mary as our model.

125 Sophomore Theology

- 10 required
- 1 credit
- year
- 10 mods

Prerequisite: None

- The Mission of Jesus Christ: The Paschal Mystery (Core 3)

Students will gain understanding of all God has done for us through Jesus Christ and that they share in God's redemption in and through Jesus Christ. They will be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

- Jesus Christ's Mission Continues in the Church (Core 4)

Students will deepen their understanding of how they encounter the living Jesus Christ through the Church and will come to know that the Church is the living Body of Christ today.

In addition, each student will complete thirty hours of service during her sophomore year.

Junior Theology:

130 Life in Jesus Christ (Core 6)

- 11 required
- ½ credit
- 1st semester
- 10 mods

Prerequisite: None

Students will deepen their understanding that it is only through Christ that they can fully live out God's plan for their lives. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples.

132 Living as a Disciple of Jesus Christ in Society (Elective, Option C)

- 11 required
- ½ credit
- 2nd semester
- 10 mods

Prerequisite: Life in Jesus Christ

Students will be introduced to the Church's social teaching and will learn how Christ's concern for others, especially the poor, is present today in the Church's social teaching and mission.

Senior Theology:

141 Sacraments as Privileged Encounters with Jesus Christ (Core 5)

- 12 required
- 1 semester
- ½ credit
- 10 mods

Prerequisite: None

Students will deepen their understanding of how they can encounter Christ today in a full and real way in and through the sacraments, especially through the Eucharist.

142 Ecumenical and Interreligious Issues

(Elective, Option E)

- 12 required
- 1 semester
- ½ credit
- 10 mods

Prerequisite: None

Students will deepen their understanding of the manner in which the Catholic Church relates to non-Catholic Christians as well as well as to other religions of the world.

Business and Presentation Technology

The Business department is committed to educating students to meet the intellectual, social, and ethical challenges in living in a technological society of the 21st century. The development of current technological skills and Christian values in school, at home and in the global workplace are the premises upon which the Business and Presentation Technology is based. Students learn responsible use of technology as well as skills which can foster their success in the globalized business climate of the 21st Century.

311 Presentation Technology

- 9 required
- year
- ½ credit
- 10 mods/2 quarters

Prerequisite: None

This course is geared toward increasing student awareness of and comfort in using 21st century tools and technologies. In addition to basic keyboarding, a must for all college-bound students, other topics and skills covered include: Google drive, docs, sheets, slides and extensions; MovieMaker and green screen use; basic coding and web design; 3D printing and related technologies; and internet safety.

335 Accounting Fundamentals with Personal Finance Connections

- 11, 12
- semester
- ½ credit
- 10 mods

Students will learn accounting fundamentals which will give them a sound foundation for advanced study in college and for understanding the importance of accurate accounting practices when running a business for someone else or their own. Connections to Personal Finance as it relates to high school students will be emphasized. Resources: Cengage Textbooks: Century 21 Accounting with on-line working papers and Personal Finance

363 Entrepreneurship

- 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: None

This project-based learning course utilizes the Jacobson Institute for Youth Entrepreneurship BizInnovator Youth Entrepreneurship curriculum. Through participation in three required events sponsored by the Veale Foundation, each student will increase her knowledge of entrepreneurial processes and create her own business. Additionally, students have the opportunity to interact and connect with local entrepreneurs who serve as mentors. Upon completing this course, students will have an option to earn 3 college credits through the University of Iowa

Computer Science Department

One of the more recent fields of academic study, computer science is fundamental in today's digital world. Almost every major challenge facing our world is turning to computing for a solution, from conquering disease to eliminating hunger, from improving education to protecting the environment. In another ten to fifteen years, it is expected that all major systems and infrastructure in the world will be controlled by software. Computer science will play a critical role in this transformation.

The Computer Science Department at Magnificat presents students with curricula and pedagogy meant to build a foundation in the core concepts, equip them with problem solving and decision-making skills, and prepare them for lifelong learning in the discipline.

340 Project-Based Coding and Computer Applications

- 11, 12
- ½ credit
- semester
- 10 mods

Prerequisite: Concurrent or previous enrollment in Algebra 2.

Students will examine the basics of computer programming and design using the Visual Studio platform to learn programming in the C# programming language. Topics include programming fundamentals, algorithm design, functions and procedures, and arrays. The class will emphasize teamwork and problem solving without reliance on step-by-step instructions.

375 AP Computer Science Principles

- 11, 12
- 1 credit
- year
- 10 mods/Monday-Friday, 7:30–8:15 a.m.

Prerequisite: Concurrent or previous enrollment in Pre Calculus

Computer science is everywhere, from smartphones and video games to music and medicine. AP Computer Science Principles (AP CSP) offers a multidisciplinary approach to teaching the underlying principles of computing, including problem solving, working with data, understanding the Internet, cybersecurity, and programming. In it students will be introduced to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

Students will learn how to creatively address real-world issues while using the same tools and processes that artists, writers, computer scientists, and engineers use to bring ideas to life. They will develop an increased awareness of how computing and technology influences the world around them while broadening their understanding of computer science for use in a diversity of majors and careers.

Counseling Department

High School Compass

• All required • year • non-credit • 1 mod

Prerequisite: None

School Counselors help students navigate through their high school experiences in three domains: academic, personal/social and college/career.

- Freshman and Sophomores focus on the transition to high school, study skills, and interest/career exploration.
- Junior year shifts towards a more indepth look at the college process, focusing on test preparation and researching colleges.
- The Senior program guides students through the college application process and aims to equip students with the skills needed to successfully transition into college.

Student Support Services Department

Study+

• 9-12 as assigned • semester or year, as assigned
• non-credit • 1 or 10 mods per week, as assigned

Prerequisite: By recommendation only

Students who would benefit from additional academic support may be selected to participate in Study+. This class provides an opportunity for young women to engage in interventions including, but not limited to, small group tutoring, individual tutoring, and quiet individual study time. Selected 9th graders and Jon Peterson Scholarship recipients are eligible for this course.

English Department

The English Department is committed to the holistic development of the self-confident and critically reflective young woman of faith in our Catholic context. Students will learn and develop the skills necessary for capable and creative participation in a literate society responsive to a technologically evolving global community. The English Department incorporates 21st century skills across the curriculum which stresses research and information literacy, academic and creative writing, the study of literature, and the progressive development of thinking and communication skills. All students are required to take four years of English with honors classes available on all four levels as well as choices for students in the regular junior and senior level classes. Electives are offered to sophomores, juniors, and seniors.

406 Global Communications and Research

- 9 required
- 1/2 credit
- year
- 10 mods/2 quarters

Prerequisite: None

Students explore the fundamentals of research, writing, and delivering presentations. While researching, students use technology to collect and organize information, determine reliable internet sources and provide proper documentation of sources. Writing skills are developed in the process of composing a research paper. Students also learn the importance of verbal and nonverbal communication as they build their public speaking abilities and present in various formats to the class.

412 English 9

- 9 required
- 1 credit
- year
- 10 mods

Prerequisite: None

Students explore the various genres of literature and learn the terms associated with literary analysis of short stories, novels, mythology, poetry, Shakespearean drama, and non-fiction. These works are selected from various cultural and literary backgrounds. Students build their vocabulary, writing, research, and speech/presentation skills, and incorporate technology as it applies to assignments. This course assimilates the various literary experiences, and prepares them for advanced literary work in subsequent years.

418 Honors English 9

- 9
- 1 credit
- year
- 10 mods

Prerequisite: Recommendation based on placement exam

Honors English 9 is designed for students who are avid readers who enjoy and excel at writing, discussing and sharing their work in an English literature classroom. The Honors students analyze selections from the major literary genres, applying and refining their reading, writing, speaking, and research skills. Students will incorporate technology as it applies to individual assignments.

422 English 10

- 10 required
- 1 credit
- year
- 10 mods

Prerequisite: None

Students experience multi-cultural literature from a variety of time periods and locations. Emphasis is placed on an in-depth study of poetry, drama, novels, short stories, and nonfiction. Students continue to develop advanced skills in critical reading, analytical thinking, essay writing, creative writing, and vocabulary building and speaking.

428 Honors English 10

- 10
- 1 credit
- year
- 10 mods

Prerequisite: B+ in Global Communications & Research, and B+ in Honors English 9 or A in English 9

Honor students undertake an analytical study of a wide range of multicultural literature from various time periods. Emphasis is placed on an in-depth study of poetry, drama, novels, short stories, and nonfiction. There is an extensive critical and creative writing program, which emphasizes use of textual evidence in essay writing. Students continue to advance skills in critical reading, analytical thinking, essay writing, creative writing, vocabulary building, and speaking.

432 English 11

- 11 required
- semester
- ½ credit
- 10 mods

Prerequisite: None

English 11 students focus on works of literature from a variety of world cultures. The course includes in-depth analysis of classic and modern works in a range of genres. Through independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing and speaking skills. Students respond to the literature in a variety of ways including reader-response, creative pieces, critical essays and a research paper.

434 Fantasy and Science Fiction

- 11 core option
- semester
- ½ credit
- 10 mods

Prerequisite: None

This course explores the cultures of the imagination. Students read and analyze a variety of science fiction literature that requires them to consider the impact that advances in technology, science and health fields may have on the future and fantasy literature that invites them to enter the world of make-believe. Through independent and collaborative work, students continue to develop their critical/creative thinking and writing skills through research, analysis and presentations.

433 Mystery and Suspense

- 11 core option
- semester
- ½ credit
- 10 mods

Prerequisite: None

This course explores the thrill of the unknown and the unexplained. Students read and analyze a variety of literature that requires them to consider possibilities, attempt to find solutions, and experience heightened circumstances while reading. Through independent and collaborative work, students continue to develop their critical/creative thinking and writing skills through research, analysis and presentations.

438 Honors English 11

- 11
- year
- 1 credit
- 10 mods

Prerequisite: 3.75 in English

Qualified students undertake an analytical study of a wide range of challenging works from a variety of world cultures. There is an extensive critical and creative writing program, including a research paper, and the use of textual evidence in essay writing. This course is designed as an initial preparation of those who hope to advance to AP English and is a requirement for enrollment in their senior year.

442 English 12

- 12 required
- semester
- ½ credit
- 10 mods

Prerequisite: None

Seniors continue their studies of works of literature from a variety of world cultures. Students focus on an in-depth analysis of various genres including the novel, poetry, drama, and short story. Through both independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing, researching, and speaking skills.

444 Plays and Playwrights

- 12 core option
- semester
- ½ credit
- 10 mods

Prerequisite: None

Students experience an array of classic and modern dramatic works. This class explores both the tragic and the comic muses. Through both independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing, researching, and speaking skills.

446 Women and Literature

- 12 core option
- semester
- ½ credit
- 10 mods

Prerequisite: None

Students explore an array of works from different cultures and genres by or about women. Through both independent and collaborative work, students have the opportunity to develop their critical and creative thinking, writing, researching, and speaking skills.

449 AP Literature and Composition

- 12
 - 1 credit
 - year
 - 11 mods
- Prerequisite: B in Honors English 11*

AP English is a college-level yearlong seminar that offers the opportunity for intensive study of masterworks from a variety of genres, cultures, and literary periods – classical to contemporary. Students learn skills for advanced literary analysis to apply to content and style in their own and other writers' works. They study a variety of critical approaches to literature and use knowledge from other academic areas in their thinking, writing, and speaking about literature. Participants may take the AP Literature and Composition and/or AP Language and Composition test for college credit.

450 Creative Composition 1

- 10, 11, 12
 - ½ credit
 - semester
 - 10 mods
- Prerequisite: None*

This course is designed for students with a real interest in writing. It includes work in college preparatory writing, creative writing and/or journalistic writing. Overall focus is on exploring creatively for topics and using thinking strategies to discover and develop ideas, while writing both collaboratively and independently. Students have opportunities to write for contests and publication and/or prepare a writing portfolio for college placement. (Recommended but not required in conjunction with AP Literature and Composition.)

455 Creative Composition 2

- 11, 12
 - ½ credit
 - semester
 - 10 mods
- Prerequisite: Creative Composition 1*

In this extension and intensification of Creative Composition 1, the teacher works with each student to individualize instruction for application to the student's particular area(s) of interest: college preparatory writing, creative writing and/or journalistic writing. Student and teacher collaborate to construct a course of study that meets and fulfills the goals of the individual student: developing an individual style, exploring metaphorical thinking and rhetorical modes, learning by teaching, etc.

460 Oral Communication

- 10, 11, 12
 - ½ credit
 - semester
 - 10 mods
- Prerequisite: None*

Students develop poise and self-confidence in a variety of speech situations. They will prepare and deliver speeches of information, persuasion, entertainment and demonstration. Students will also study cultural differences in non-verbal communications, gender and communications, and conflict resolution.

470 Literature and Film

- 11, 12
 - ½ credit
 - semester
 - 10 mods
- Prerequisite: None*

This upper-level course aims to develop critical thinking skills through written and oral analysis of significant films and related modern novels, plays, and short stories. Students learn to analyze a film for its thematic purpose, artistic achievement and relationship to social and moral values and to make judgments based on an understanding of the unique language of film: directing, acting, cinematography, lighting, musical score and editing. They have the option of practicing their growing skills by producing an original short film or video.

485 Latin for College Preparation

- 10, 11, 12
 - ½ credit
 - semester
 - 10 mods
- Prerequisite: None*

This elective concentrates on the Latin language and its heritage in present-day academic studies. Students will cover important grammatical structures, including declensions, conjugations, and tenses. Students will build vocabulary through study of Latin roots, which are the basis for many English words.

Health and Physical Education Department

The Health and Physical Education program at Magnificat High school strives to promote the wellness approach to holistic health, which stresses the need for balance in one's life. The program philosophy emphasizes the physical, intellectual, emotional, social and spiritual development of well-rounded young women and the importance of lifetime fitness. Students are prepared to make responsible decisions, appropriate value judgments, and act in ways which contribute to good personal health.

240 Personal Wellness and Healthy Living

- 9 required
- semester
- ½ credit
- 10 mods

Prerequisite: None

Freshmen study first aid and the personal, social and community dimensions of health. The health curriculum strives to encourage the emotional, physical, social, intellectual and spiritual growth of each student. The Health course focuses on the improvement of decision making skills and problem solving skills and their relationship with healthful living. Units presented to the students may include CPR, Wellness, Alcohol, Tobacco, Drugs, Nutrition, and Sexually Transmitted Infections.

256 Lifetime Fitness

- 10, 11, 12 required
- semester
- ¼ credit
- 10 mods

This course will help the student understand the importance of committing to a lifetime of physical activity by studying both team and lifetime sports. An emphasis on Christian values and good sportsmanship will occur during this class. The units may include archery, badminton, dance, table tennis, self-defense, yoga, and zumba, as well as a bowling field trip. To provide the most beneficial experience of self-defense, yoga, and zumba certified instructors will bring their expertise to this course.

257 Dance 1 (PE)

- 10,11,12
- semester
- ¼ credit*
- 10 mods

Students will learn about dance as a form of expression as well as a suitable lifetime activity. A variety of dance types will be included: jazz, modern, ballet, etc. This course is intended for beginning dancers.

* Optional 1/2 Performing Arts credit (course # 284)

258 Dance 2 (PE)

- 10,11,12
- semester
- ¼ credit *
- 10 mods

Prerequisite: B or better in Dance 1, at least 2 years of dance in the past 5 years and/or recommendation of the dance teacher

Dance 2 is intended to expand the experienced dancer's strength, flexibility, balance, and endurance, with a special focus on musical awareness, technique, choreography, and performance in jazz, modern, and ballet.

* Optional 1/2 Performing Arts credit (course # 285)

PE Athletic Exemption

Students can fulfill their state PE requirement by completing a second 0.25 unit of PE or with an athletic exemption, which can be earned through participation in 2 or more full seasons of interscholastic athletics. Any student interested in pursuing the latter option must meet with her counselor and request the "Intent to Participate" form indicating the sport(s) in which she intends to participate. Note: students who quit or are cut from a team, or are unable to participate for the full seasons due to injury will not be eligible for the exemption.

Mathematics Department

The Mathematics Department provides a curriculum that makes available a four-year mathematics program for all our young women. Through this program, students experience “the enjoyment of a challenge, the excitement of success, and the development of a good self-image” (NCTM Standards). Students acquire competency in the processes of mathematical thinking, an understanding of the nature and structure of mathematics, and an appreciation of the value of mathematics in their everyday lives. They are evaluated for mathematical knowledge conceptual understanding, procedural skills and their ability to communicate mathematics. Students use appropriate technology, calculators (TI 84), computers and instructional materials during classroom instruction.

505 Algebra 1

- 9 required
- 1 credit
- year
- 10 mods

Prerequisite: None

Students solve linear, absolute value, literal and some quadratic equations; they find solutions to linear systems and inequalities. They graph linear and absolute value equations, find equations of lines and simplify and evaluate expressions involving polynomials.

525 Geometry

- 9, 10 required
- 1 credit
- year
- 10 mods

Prerequisite: Algebra 1

Students study the shapes of two and three dimensional objects and analyze their properties and relationships. They recognize the logical structure of geometry and learn to define terms, test conjectures and construct proofs.

530 Honors Geometry

- 9, 10
- 1 credit
- year
- 10 mods

Prerequisite: Recommendation

Students study, in greater depth, the traditional topics of Euclidean and coordinate Geometry with emphasis on the logical development of a mathematical system. They discover patterns, formulate conjectures and develop their reasoning skills, both inductive and deductive.

533 Transitional Algebra

- 10, 11
- 1 credit
- year
- 10 mods

Prerequisite: Geometry

Students review and deepen their understanding of concepts learned in Algebra 1 and Geometry. They learn how to solve a variety of equations and inequalities. Considerable time is spent on graphing equations and using a graphing calculator. Students examine functions and become more confident in their understanding of mathematical concepts and problem solving.

538 Algebra 2

- 10,11,12 required
- 1 credit
- year
- 10 mods

Prerequisite: C+ in previous year Magnificat math class for both semesters, or recommendation

Students will represent functions graphically, numerically, algebraically and verbally. Students will solve and/or graph a variety of equations: absolute value, quadratic, rational, radical and piecewise. They evaluate and simplify expressions involving rational and negative exponents, as well as radicals. This course also includes a study of conic sections.

536 Honors Algebra 2

- 10, 11
- 1 credit
- year
- 10 mods

Prerequisite: B in Honors Geometry or recommendation of Math Department Chairperson

Students will represent functions graphically, numerically, algebraically, and verbally. Students will use multiple methods for solving linear, piecewise, absolute value, quadratic, rational, and radical equations. They use systems of equations for describing and analyzing real-life information. Students will evaluate and simplify radical expressions and expressions involving rational and negative exponents. They will analyze and graph conic sections and review right triangle trigonometry.

540 Mathematical Modeling & Personal Finance

- 11, 12
- 1 credit
- year
- 10 mods

Prerequisite: Algebra 2

Students review the algebra of relations and functions and apply it to real-world situations. They use mathematical skills in understanding finance as it applies to their lives. Co-ordinate geometry and triangle trigonometry are used to describe and apply geometric concepts in problem solving. Students also explore probability and statistical concepts and their uses in the real world.

545 Honors Precalculus/Trigonometry

- 10, 11, 12
- 1 credit
- year
- 10 mods

Prerequisite: B in Honors Algebra 2 for both semesters

To prepare for Advanced Placement Calculus, students study polynomial, logarithmic, exponential, trigonometric and rational functions, their properties, behaviors and graphs. They refine algebra and problem-solving skills and develop clarity of thought and expression.

555 Precalculus/Trigonometry

- 11, 12
- 1 credit
- year
- 10 mods

Prerequisite: C+ in Algebra 2 for both semesters, or successful completion of Math Modeling

Students analyze and study polynomial, rational, exponential, logarithmic and trigonometric functions to prepare for college calculus. They will use these function models to solve a variety of real world applications.

558 Calculus

- 12
- 1 credit
- year
- 10 mods

Prerequisite: B in Precalculus for both semesters; previous or concurrent enrollment in Physics recommended.

Students work with functions graphically, numerically, analytically and verbally. They study key topics in differential and integral calculus, emphasizing clear understanding, rather than broad coverage. Students will acquire a solid introduction to a college calculus course.

560 AP Calculus AB

- 12
- 1 credit
- year
- 11 mods

Prerequisite: C+ in Honors Precalculus for both semesters

Students work with functions graphically, numerically, analytically and verbally. They study topics in differential and integral calculus in order to be adequately prepared for the Calculus AB examination. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning.

565 AP Calculus BC

- 12
- 1 credit
- year
- 11 mods

Prerequisite: 95% in Honors Precalculus for both semesters or recommendation

Students study all topics covered in Calculus AB plus limits and convergence of sequences and series, improper integrals, lengths of curves, partial fractions, and parametric, vector and polar functions. The content of Calculus BC prepares the student for the Calculus BC examination, which gives credit in a course that is one course beyond that granted for Calculus AB.

585 AP Statistics

- 11,12
- 1 credit
- year
- 11 mods

Prerequisite: B in Honors Algebra 2 or B+ in Algebra 2, for both semesters, or B in Precalculus or Honors Precalculus, for both semesters

Students focus on statistical concepts and problem solving. They explore and describe data, investigate data production, use probability models, and employ methods of statistical inference. Use of the TI84 Plus calculator is incorporated throughout the course.

All students take four years of mathematics. In all classes, students communicate their mathematical thinking coherently and clearly and apply and adapt a variety of appropriate strategies, including data analysis, to solve real world problems. They use a graphing calculator on all levels and have daily homework (30-60 minutes in honors courses). Each student must own a graphing calculator (TI 84 Plus).

Performing Arts Department

The Performing Arts Department encompasses choral, instrumental, drama, and dance modes of performance. The various facets of the program are mutually enriching. The department values the arts as unique ways to develop a student holistically. The Performing Arts program enables student's abilities to use music, dance, and drama to bring about a personal, spiritual, and academic growth that contributes to a holistic development. The Performing Arts program helps each student to be the best that she can be, and offers her multiple opportunities to develop according to her potential.

275 Intro to Drama and Musical Theater

- 9
- semester
- ½ credit
- 10 mods

Prerequisite: None

This is an introductory course which will be beneficial to beginners and experienced performers. Students will explore the process of creating a character through collaboration and improvisation, learning skills that will help them appreciate the art of acting. The integrative nature of theater will be experienced through the incorporation of dance, music, visual art and media arts. Students will find this hands-on course both adventurous and fun as they build self-confidence and develop their own personal creativity.

277 Concert Choir

- 9, 10, 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: None

Students will learn and develop vocal skills and techniques for performing in an ensemble. This course will focus on becoming a dependable member of the choral group while fine tuning the students' musical skills to create a meaningful performance. Music selections will consist of a variety of two or three part harmony.

280 Chorale

- 11,12
 - year
 - 1 credit
 - 10 mods
- Prerequisite: 1 year choir experience and recommendation of instructor*

This course is designed to continue the education of an experienced singer through a variety of musical repertoire in a choral setting. Students will further develop the necessary skills for a choral performance with an emphasis on blending & balancing and the overall style of the piece. Music selections include three and four part harmonies. The Chorale occasionally performs outside of the school for community events.

284 Dance 1

- 10,11,12
- semester
- ½ credit *
- 10 mods

Prerequisite: None

Students will learn about dance as a form of expression as well as a suitable lifetime activity. This beginner course will focus on conditioning ballet, and jazz. During the semester students will develop their flexibility, technique and coordination.

** Optional 1/4 P. E. credit (course # 257)*

285 Dance 2

- 10,11,12
- semester
- ½ credit*
- 10 mods

Prerequisite: Recommendation of the instructor

Dance 2 is intended to expand the experienced dancer's strength, flexibility, balance, and endurance, with a special focus on musical awareness, technique, choreography, and performance in jazz, contemporary and musical theater dance.

** Optional 1/4 P. E. Credit (course # 258)*

286 Choreography

- 11,12
- semester
- ½ credit
- 10 mods

Prerequisite: Audition or recommendation of Dance teacher.

This course is designed to continue the education of an advanced dancer through choreography exploration, creation, technique and development. It will expand the student's strength, flexibility, dynamics, musicality and performance on a professional level—as a dancer and as a choreographer. Students will also develop an increased knowledge of dance design and choreographic skill through creative projects, teaching their creations for aesthetic design and ability to bring their creations to life, as well as critique of all choreographic design and development.

294 Class Piano

- 9, 10, 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: none

This is an introductory piano class for beginners only. Students will learn the basic concepts and fundamentals for playing the piano as well as the music theory involved in reading music for a performance. Students will gain confidence and understanding, making playing the piano a rewarding experience.

297 Drama 1

- 10, 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: None

This course will introduce students to beginning techniques for becoming a successful actor including voice and movement, stage directions, body language, observation, listening, and collaboration. Students will practice their technique through a variety of theatre activities, improvisation, and scene work. Daily participation, creativity, and memorization are required for this course.

298 Drama 2

- 10,11,12
- semester
- ½ credit
- 10 mods

Prerequisite: Drama 1 or recommendation of instructor

In this course, students will continue to grow as performers through a continued study of acting. Students will sharpen their skills through improvisation, scene work, monologues, character analysis, and observation & recall to create meaningful characters for a performance. Daily participation, creativity and memorization are required for this course.

302 Theatre Tech

- 11,12
- semester
- ½ credit
- 10 mods

Prerequisite: None

This is an introductory course featuring stage terminology and technical elements that go into creating a theatrical production. Students will learn the basics of set design and construction, painting, lighting, sound, costumes, makeup, and props. Hands on projects, supported by research, will provide each student with an opportunity to explore their creativity and to collaborate as they learn ways to make their vision come to life on the stage.

Science Department

The science curriculum consists of those courses and activities that allow the individual student to interact with science as a discipline and to experience empirical inquiry as a method of investigation. Emphasis is placed on the processes of science so that students will discover and interpret scientific knowledge, develop positive attitudes and interests related to science and scientists, and recognize that these behaviors will be applied in making decisions in an age influenced by science and technology.

Provisions are made for using instructional strategies that reflect the nature of science and scientific inquiry, and meet the needs of women learners. An understanding of the nature of science is stimulated through the use of the laboratory as a focal point for engaging in the processes of science. Opportunities are provided for students to apply methods and knowledge of science to formulate possible solutions for the problems of society.

The science department promotes an atmosphere in which students become aware of the dynamic balance within the biosphere and learn to value themselves and the created world as a gift of God and therefore accept responsibility for stewardship of the earth.

710 Biology 1

- 9 required
 - 1 credit
 - year
 - 11 mods
- Prerequisite : None*

Biology 1 is designed to expose students to the underlying concepts and processes of life. The class revolves around evolution; driving the diversity and unity of life, free energy; its use in molecular building blocks to grow, reproduce and maintain dynamic homeostasis, information; storing, retrieving transmitting and responding and system interactions. Students also explore biology in society in current events. The course includes discussions, laboratory investigations independent and collaborative projects emphasizing discovery and scientific inquiry of the structure and function of life from the global to the microscopic scale.

715 Honors Biology

- 9
 - 1 credit
 - year
 - 11 mods
- Prerequisite: Recommendation*

The student will be more challenged by the depth and fast pace of this course. Honors Biology will cover topics included in a general biology course in greater depth using the molecular approach and higher level thinking skills. Emphasis will be placed on laboratory investigation with strategies to foster inquiry and problem analysis. Further topics will be explored to cultivate critical reasoning skills. Students will be required to work on additional independent projects throughout the year.

725 Environmental Science

- 10,11,12
 - 1 credit
 - year
 - 11 mods
- Prerequisites: Biology 1*

This one year lab course is a study of interrelationships between terrestrial, aquatic and atmospheric systems. It will examine, identify and analyze biomes, environmental problems, both natural and human made, evaluate risks associated with these problems and examine alternative solutions for resolving / preventing them. This multi-disciplinary course links biology, earth science, chemistry and physics with the social sciences of economics, politics and ethics. Additional independent projects are incorporated throughout the year.

735 Chemistry 1

- 10,11
 - 1 credit
 - year
 - 11 mods
- Prerequisites: C in Biology 1 or previous enrollment in Environmental Science. B in Algebra 1 or previous/concurrent enrollment in Algebra 2.*

The student will develop a fundamental understanding of chemistry including matter and change, basic concepts of atomic theory, knowledge of the periodic table, chemical calculations and chemical reactions. Qualitative and quantitative laboratory investigations enhance the student's knowledge of the subject.

Science Department *continued*

Students further develop mathematical and critical reasoning skills through hands-on activities and problem-solving techniques. Students will be prepared to begin the first year of Chemistry at the college level after successfully completing this course. This course does not meet the prerequisites for AP Chemistry or AP Biology.

740 Honors Chemistry

- 10,11
- 1 credit
- year
- 11 mods

Prerequisites: B+ in Honors Biology for both semesters and Science Department recommendation. Concurrent enrollment in an Honors Math course is strongly recommended.

Honors Chemistry is a rigorous, fast-paced course where the students cover more topics and have a greater depth of understanding than those taking Chemistry 1. Theoretical concepts are developed through discussions and hands-on activities, and are observed in the laboratory setting. Students must be highly proficient in Algebra in order to keep pace with the level of problem solving done in the course. Honors Chemistry emphasizes critical thinking, problem solving, proper laboratory techniques, careful observations, and reporting laboratory results in logical, well-written lab reports. This course is a prerequisite for AP Biology or AP Chemistry.

736 Honors Advanced Chemistry

- 11, 12
- ½ credit
- semester
- 11 mods

Prerequisites: B in Chemistry 1

737 Honors Human Anatomy and Physiology

- 11, 12
- ½ credit
- semester
- 11 mods

Prerequisites: B in Chemistry 1

Students use college materials for the investigation of in-depth studies of Chemistry and Human Anatomy and Physiology. Students will further examine concepts of chemical calculations, biochemistry, forensic studies, gas laws, solutions, acids-bases and oxidation-reduction reactions. Students will foster an understanding of the intricate workings of the organ systems of the human body while exploring associated diseases and disorders. Advanced laboratory techniques,

dissecting techniques and critical thinking skills will be further developed. This one year science course is designed for students interested in advanced science concepts and pursuing health-related career options.

742 AP Chemistry

- 11, 12
- 1 credit
- year
- 11 mods

Prerequisites: B+ in Honors Chemistry for both semesters or B+ in both Honors Advanced Chemistry & Honors Human Anatomy and Physiology, and Science Department recommendation

AP Chemistry is a second full-year course offered to juniors or seniors who are self-motivated, independent learners with a solid background in chemistry and mathematics. The course is equivalent to a first year college level general chemistry course. AP Chemistry provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics and equilibrium. AP Chemistry is a rigorous, fast-paced course and students must be prepared to devote considerable time and energy to it in order to perform well in class and on the College Board AP Chemistry exam.

745 AP Biology

- 11, 12
- 1 credit
- year
- 11 mods

Prerequisites: B+ in Honors Chemistry for both semesters or B+ in both Honors Advanced Chemistry & Honors Human Anatomy and Physiology, and Science Department recommendation. Previous or concurrent enrollment in AP Statistics is recommended.

AP Biology is a second full-year course offered to juniors or seniors with a strong background in biology and chemistry. The course is an equivalent to a first year college level general biology course. Students gain experience and appreciation of biology through experimentation and inquiry. The course strongly emphasizes critical thinking skills, essay and laboratory writing skills, and data analysis skills. The goal of AP Biology is to provide a learning environment that enables students to develop a solid understanding of

Science Department *continued*

the principal concepts of Biology. AP Biology is a rigorous, fast-paced course and students must be prepared to devote considerable time and energy to it in order to perform well in class and on the College Board AP Biology test.

750 Physics 1

- 11, 12
- 1 credit
- year
- 11 mods

Prerequisites: C+ in Algebra 2 or C in Honors Algebra 2. Previous or concurrent enrollment in Precalculus/Trigonometry.

Student learning will focus on the studies of Newtonian mechanics, work, energy, power, mechanical waves and sound, and circuits. Participation in laboratory investigations will be an integral part of the course experience. Students will deepen their problem solving and analytical thinking skills. This course is recommended for students aiming for a solid science background.

755 Honors Physics

- 11, 12
- 1 credit
- year
- 11 mods

Prerequisites: B+ in Honors Algebra 2 for both semesters and science department recommendation. Previous or concurrent enrollment in Honors Precalculus/Trigonometry.

Honors physics is an algebra-based course in which students will engage in more in-depth and higher-level mathematical and theoretical analysis of principles and laboratory data than in Physics. In addition to the topics covered in Physics, Honors Physics also explores concepts such as angular motion and static equilibrium. Students must be proficient in Algebra 2 and Trigonometry to maintain the quicker pace, deeper level of understanding, and more challenging problems included in Honors Physics.

760 AP Physics C: Mechanics

- 11, 12
- 1 credit
- year
- 11 mods

Prerequisites: Previous or concurrent enrollment in AP Calculus AB or BC, and Honors Physics or science department recommendation.

AP Physics C is a calculus-based introductory college-level physics course. This course is recommended for students aiming for engineering or physical science majors in college. Physics C is intended as a second-year course. This course covers kinematics, Newton's laws, work, energy, power, linear momentum, circular motion and rotation, oscillations and gravitation. Introductory differential and integral calculus is used throughout the course.

765 Project Based STEM Applications

- 11, 12
- ½ credit
- semester
- 10 mods

Prerequisites: Concurrent or previous enrollment in Algebra 2 and Chemistry. Recommendation from current science or math teacher

This upper-level Project Based Learning–STEM Applications elective course aims to provide an experiential hands-on learning environment with an emphasis on project based STEM applications using critical thinking, collaboration, communication and creativity. The course will have a strong emphasis on technology-oriented problem solution processes requiring both group project collaborative work as well as individual contributions and a focus on authentic real-world applications.

Explorations with Additive Printing Technology (c3D Printing), Arduino electronics and Robotics Programming will be highlighted and course content will be augmented with industry professionals contributions to the classroom learning environment.

Science Department *continued*

770 Research Methods in Science

- 11, 12
- semester
- ½ credit
- 10 mods

Prerequisites: Previous or concurrent enrollment in an honors or AP level science course.

The purpose of this course is to provide students with the knowledge and skills essential to conducting scientific research and to apply their skills to real-world problems. Through learning how to conduct research and by being involved in all aspects of the research process—developing questions, designing studies,

reading academic literature, and writing and presenting findings to peers, students will be better prepared for the rigors of collegiate level science courses.

Course content revolves around an ongoing, long-term project, in which students develop a research plan and write a final proposal. Topics to be addressed throughout the semester include: developing research questions, using academic databases, collecting and analyzing data sets, utilizing proper experimental design elements, and communicating findings through written and verbal formats.

Social Studies Department

The Social Studies Department has a responsibility to provide students with a challenging curriculum that will prepare students for college level studies, further a better understanding of the world, encourage students to become lifelong learners, and provide students with the skills, knowledge, Catholic social principles and gospel values necessary to be constructive participants in the global community.

820 World History

- 10 required
- year
- 1 credit
- 10 mods

Prerequisite: None

World History is a survey course in which students will trace the development of civilization to the contemporary era while placing emphasis on eighteenth through twentieth centuries. The course will allow students to view past events in light of historical perspective, geography, economics, government, culture and society. Students will discuss cause-effect relationships, events, issues, concepts, and cultures. A primary goal of this course is to help students utilize the tools, processes, methods, and techniques to think historically. Emphasis will be placed on skill development and the use of primary resources.

824 AP World History

- 10
- year
- 1 credit
- 11 mods

Prerequisite: B in Honors English 9 or A in English 9

The equivalent of a full year introductory college survey course, AP World History provides students with the opportunity to develop a greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. The course takes in important common trends such as trade, religion, politics, society, intellectual development, gender structure and technology. Students study how these trends have either remained the same or have changed over time in different areas of the world. Students also enhance their analytical abilities and critical thinking skills by reading and interpreting primary sources in order to understand historical and geographical content.

830 Economics

- 11 required
- semester
- ½ credit
- 10 mods

Prerequisite: None

Students explore the fundamentals of economics with application to current concerns including types of economies, the stock market, supply and demand, types of business organizations, the federal reserve system, personal finances and the filing of income tax forms.

833 AP Macroeconomics

- 11
- 1st semester, 11 mods/week
- ½ credit
- 2nd semester, 1 mod/week

Prerequisites: B in AP World History or A in World History and B in honors level math or A in college prep level math taken as a sophomore.

Students will explore the basic principles of macroeconomics at a rigorous pace. Course concepts include: the nature of economics (including cost benefit analysis); measuring economic performance using various indicators; aggregate demand and aggregate supply; fiscal policy; monetary policy and economic stability; and international trade and finance.

The strong emphasis this course places on graph construction and graphical analysis by students to explain economic concepts, requires proficiency in Algebra. Students must possess strong computational skills, as no calculators are permitted due to the constraints of the AP exam.

835 United States Government

- 11 required
- semester
- ½ credit
- 10 mods

Prerequisite: None

Juniors investigate the concepts and structure of the American system of government by studying the Constitution. Current events are related to the topics under consideration.

837 AP United States Government and Politics

- 11
- 2nd semester
- ½ credit
- 11 mods

Prerequisite: B in AP World History or A in World History; and A in English 10 or B in Honors English 10; and department recommendation based on pre-test performance.

This course explores the political theory and everyday practice that direct the daily operations of our government and shape our public policies. This course is for all intents and purposes taught on a college level and it requires a substantial amount of reading and preparation for every class. The objectives

of this course go beyond a basic analysis of how our government “works.” Student will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities as citizens.” Topics include constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties, interest groups and mass media, federal institutions, public policy, and civil rights and liberties.

840 United States History

- 12 required
- year
- 1 credit
- 10 mods

Prerequisite: None

United States History is a survey course designed to trace the development of contemporary America from the colonial period.

This course addresses foreign and domestic policy in an examination that includes political, diplomatic, economic, social, cultural and military history.

Students will further hone the skills necessary to produce essays, projects and papers that demonstrate mastery of content, analysis and proper use of primary and secondary sources as well as effective written and verbal communication.

845 AP United States History

- 12
- year
- 1 credit
- 11 mods

Prerequisite: B in AP World History or A in World History

Advanced Placement United States History “focuses on developing students’ understanding of American history from approximately 1491 to the present. The course has students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes (Ameri-

can and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places.” (*The College Board*)

“AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. History course.” – *The College Board*

850 Psychology

- 11, 12
- ½ credit
- semester
- 10 mods

Prerequisite: None

Students learn about the ways in which an individual develops an awareness of the world, the ways individuals interact with one another, and society’s inevitable influence on the individual’s behavior. Discover new ways of looking at and interpreting your behavior as well as that of others.

855 Sociology

- 11, 12
- ½ credit
- semester
- 10 mods

Prerequisite: None

Human relationships at every level of society are analyzed from the small group of two or more people to the five major institutions in society: family, religion, government, economic system and education. Students will discuss whether or not aspects of these institutions are designed to maintain an inequitable distribution of resources.

860 Human Geography

- 10, 11, 12
- ½ credit
- semester
- 10 mods

Prerequisite: none

Human geography is the study of people and their relationship with and impact on the environment. It includes the examination of culture, economics, politics and religion in relation to location and movement. “We live in an age of increasing globalization. People and economies throughout the world are interconnected as never before. Nevertheless our world remains a jigsaw of countries, a patchwork of religions, a Babel of thousands of languages, a mosaic of innumerable customs and traditions. Ours still is a world of endlessly diverse places, most of which are birthplaces. Understanding and explaining this diversity is the mission of human geography.” (*H.J. deBilj, Human Geography: Culture, Society and Space, 3*)

865 Comparative Government

- 11, 12
- ½ credit
- 1 Semester
- 10 mods

Prerequisites: none

The increasingly globalized society in which we live necessitates an awareness of variations in how political entities organize and structure their governments. As businesses, information and people cross geopolitical borders with greater frequency and speed, it is important for world citizens to understand the differences in those systems. This course introduces students to the fundamental structures and processes of a variety of governments around the world using specific case studies. It aims to explain differences in processes and policy outcomes and to communicate to students the importance of global political and economic change.

Visual Arts Department

Finding your Visual Voice through:

- Self-expression
- Response to intuition
- Growing in aesthetics
- Women's ways of knowing

Believing that Art is central to all learning, the Visual Arts Program strives to meet each student at her entry point into the visual arts and works with her to develop her own individual skills, imagination, and vision by responding to her intuition thru self-expression.

Believing that Art brings coherence to learning, the Visual Arts Department empowers our students to recognize and respond to her own creative voice.

Believing that Art connects to the past, present and future, the Visual Arts give each student tools to examine her rootedness in past cultures, especially our Christian heritage, to explore the dimensions of present realities, and to envision an evolving future.

Believing that Art involves critical and creative decision-making, involvement with the visual art processes impacts life-long learning developing the student's visual voice as a woman's way of connecting aesthetically to the elegance of God's creation and holistic growth of each student.

Believing that Art both forms and functions in culture, the Visual Arts program draws students into and immerses them in the real world of right-brain sensuous endeavors that renews and fosters in each student a commitment to a communal experience of Art and the transformation of society through Art.

All courses will employ a sketchbook to record, reflect/respond/ connect to and validate the intuitive, both procedural and constructive.

210 Studio Art 1

- 9, 10, 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: None

This course will serve as entry to the novice art student who is interested in building a foundation, growing her artistic experience, and exploring the visual arts in a studio setting. Students will learn various art mediums and use artists' tools to create Art, preparing them for future experiences in clay, photo, metals, and/or graphic design. Students will gain knowledge of Art elements and Principles of design while strengthening their creative expression. Each student will keep a well-developed sketchbook.

In this class, students will function as an art community in which they experience class critiques and work together to support the unique artistic expression of their peers.

211 Studio Art 2

- 9, 10, 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: Freshman Studio Art 1, Studio Art 1, or by recommendation based on portfolio submission

Students with a strong awareness of her own Visual Voice may choose to work in a studio course geared toward focusing on the development of her skills within the foundational areas of Drawing, Painting and Design. Studio opportunities in these fields involve projects that promote the growth of observational skills and development of visual thinking. Her experiences will promote her confidence in working with color theory and its application to her Visual responses. Works of the masters, from traditional to modern, will guide her through problems of composition and technique to find her way of expressing her own vision and voice.

Each student will showcase her artwork, displaying her visual voice through a reflective portfolio.

212 Studio Art 3

- 10,11,12
- semester
- ½ credit
- 10 mods

Prerequisite: Studio Art 2 or by recommendation based on portfolio submission

The student will further develop her observation and expressive skills in the areas of Drawing, Painting, and Design. Projects will range from traditional to experimental in both subject matter and media.

214 Honors Studio Art

- 10, 11, 12
- year
- 1 credit
- 10 mods

Prerequisite: Studio Art 1 and 2 and by department recommendation based on portfolio submission

Honors Studio Art is a rigorous course emphasizing personal development in the fine arts and focusing on using a range of conceptual approaches in drawing, 2D-design, or 3D-Design. Students will choose mediums based on experience, individual strengths, and preferences. Concepts of critical and aesthetic thinking skills learned in previous art courses will be applied to exemplar works and to students' own art works. Students will be encouraged to use these skills to develop artwork that expresses their personal voice. This course is intended for students who exhibit a strong interest in art and wish to extend their skills and knowledge. Drawing activities will be assigned as homework throughout the course as well as sketch book planning, research, and experimentation. Successful completion of this course will develop the student's foundation portfolio in preparation for Advanced Placement studio Art or for a college portfolio.

220 Graphic Design 1

- 10, 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: none

Graphic Design 1 students will discover their visual voice through technology using the Adobe Creative suite 6 (CS6) design program. This is a project based course that will introduce students to visual communication skills through print production and graphic design. Students will develop their individualized design style using color, typography, print, digital photography, illustration, logo design, and other design

strategies used in the world of art, business, science, journalism and more. Current trends, formal and informal class critiques, as well as learning the processes of design will help students make connections to and appreciate the art around them in their everyday lives. Projects may include but are not limited to: special effects in digital photography, illustrations, layout and logo design, brochures, posters, and business cards. The Graphic Design 1 course will offer students the "art of and practice of planning and projecting ideas with visual and textual content." (AIGA).

221 Graphic Design 2

- 10, 11, 12
- semester
- ½ credit
- 10 mods

Prerequisite: Graphic Design 1 or by recommendation based on portfolio submission

Students will further develop their observational and expressive skills in Graphic Design and will be encouraged to develop a particular area of interest, developing a more personal response to design and developing her own identity as an artist. Typography, photography, and illustration are incorporated into visualizing ideas with intermediate and advanced applications of state-of-the-art computer graphics.

225 Photography 1

- 10,11,12
- semester
- ½ credit
- 10 mods

Prerequisite: none

Each student will reveal her identity as a visual person through the lens of a camera. She will let film as well as digital viewfinders capture compositions of the beauty she finds around her in ordinary things. She will search out images expressing the elements and principles of design. The Artist- Photographer will record her different points of view by playing with a variety of compositional perspectives. A compilation of her visual responses will be collected and displayed in a portfolio accompanied with written reflections and critiques. She will watch her photographic skills develop as her portfolio grows.

This course introduces the student to knowledge of both 35 mm and digital photography. Because students will concentrate on understanding 35 mm camera

controls and learning darkroom procedures, a 35 mm camera will be provided for her use. Access to a digital camera or device with camera functions is highly recommended for the digital assignments. Software including Photoshop, and Adobe Lightroom will be introduced. Her study of the masters of photography will provide her with models for her own artistic and creative use of the camera.

226 Photography 2

- 11,12
- semester
- 1/2 credit
- 10 mods

Prerequisite: Photography 1

Students focus on and become more proficient in a particular area of interest, such as portraits, nature or structure in architecture while developing their personal style. A greater stress will be placed on traditional chemical developments and experimentations, 35mm photography as well as digital Photography. School owned cameras will be available for students to sign out for homework film shooting assignments. For digital assignments, access to a digital SLR is preferred; however a digital device with a camera app is acceptable for these assignments. Students will also develop their skills further using digital software including PhotoShop and Adobe Lightroom.

228 Photography 3

- 11,12
- semester
- 1/2 credit
- 10 mods

Prerequisite: Photography 2

The student will further develop her observational, expressive, and experimental skills in the areas of Photography including traditional and contemporary processes. She will be strongly encouraged to develop her own artistic identity within her work, forming a more personal response to Photography. Special attention will be paid to the creation of an exit portfolio indicating her breadth and concentration in the art of Photography. A traditional darkroom will be available as well as Adobe PhotoShop and Lightroom Software. Film cameras are also available to borrow, however, access to a DSLR camera or a digital camera with manual functions is strongly recommended for this course.

233 Clayworks 1

- 10,11,12
- semester
- 1/2 credit
- 10 mods

Prerequisite: none

By immersing herself in the spirit of clay, the ceramic student will find her Visual Voice as she builds three dimensional objects from what once was rock. Connecting to the earth and learning to use the ancient techniques of pinch, slab and coil, she will not only build but also recycle. Her own expressions will emerge into revealing growth in design and craftsmanship. These efforts yielding this sacred connection will be recorded through a journal of thumbnail sketches, diagrams, notes and photos, from beginning seedlings of ideas through all the stages of construction, drying, firing, under-glazing and glazing through to its finished presentation. Keeping this visual journal will allow for recreating similar results again.

234 Clayworks 2

- 11,12
- semester
- 1/2 credit
- 10 mods

Prerequisite: Clayworks 1

Students will practice advanced techniques with the basic hand building methods of pinch, coil and slab. They will also be introduced to throwing on the wheel to form aesthetic and functional vessels. Global sources will be studied for their rich heritage. Techniques for throwing, trimming and balancing will be learned. Experimentation with glazes and surface design of the clay will be encouraged.

231 Metals and Jewelry 1

- 11,12
- semester
- ½ credit
- 10 mods

Prerequisite: none

The student's Visual Voice may be calling her through the decorative arts of wearable objects and small sculptures. Language and tools unique to jewelry will be introduced as students work toward growing in design and craftsmanship. By learning traditional and contemporary jewelry techniques the artist will develop her skills and improve her knowledge to broaden her experiences in understanding, and appreciation. This will enable growth in her ability to make historical connections. Each student will create "one of a kind" pieces in this medium that will be accompanied by a visual journal/portfolio as a record of its construction from inception to exhibition.

232 Metals and Jewelry 2

- 11,12
- semester
- ½ credit
- 10 mods

Prerequisite: Metals and Jewelry 1

Students will be given assignments that build upon the foundational experiences of Metals and Jewelry. Students are now expected to work more independently. They will be required to continue to develop in their craftsmanship and expand their own creative vision by planning and creating a more intricate metal/jewelry object or pieces that relate to each other as in a set.

239 AP Art History

- 11, 12
- year
- 1 credit
- 11 mods

Prerequisite: None

The AP Art History course explores such topics as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from pre-history to the present, the course fosters in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, constructing of individual works and inter-connections of art-making processes and products throughout history.

The redesigned AP Art History course specifies learning objectives, defines course content, and limits the number of works of art students are required to understand (250) in order to support their in-depth learning, critical analysis skills, and discovery of connections among global artistic traditions. This approach allows students to develop a profound understanding of representative works of art from diverse cultures, including fundamental information that places these works in content and illuminates relationships among them. The course is not designed to students' memorization of isolated facts about works of art, artists, or cultures.

Description- APAH Curriculum Framework

College Course Equivalent: AP Art History is designed to be the equivalent of a two-semester introductory college or university art history survey course.

215 AP Studio Art

- 11, 12
- year
- 1 credit
- 11 mods

Prerequisite: Studio Art 1, Studio Art 2, or by recommendation based on portfolio submission and recommendation of Visual Arts Chairperson

AP Studio Art is a year long course for the highly motivated student who seeks a rigorous and focused study of art. Students are asked to emphasize research, experimentation, discovery, inventive thinking in art making, critical analysis, and problem solving. Students will work with a variety of media to complete projects including a concentration of at least twelve works that focus on a theme of personal interest to each student. For students interested in a career in art, this course provides perfect opportunity for growth in skill and discovery of personal interests in art making, and a springboard for acceptance at an art school.

This is a college course equivalent of a two semester introductory college or university Studio Art survey course. Students will submit an AP Portfolio consisting of their best work in one of the following categories of Drawing, 2D-Design, or 3E-Design to the college Board for evaluation at the end of the school year.

World Languages Department

The World Languages Department regards our students as people of one world, made up of many nations, languages and cultures. Committed to the holistic development of our students and our mission to educate them to learn, lead and serve, we seek to broaden their view of the world by providing opportunities to cross boundaries, both linguistically and culturally. We acknowledge that the world, though vast and ever changing, is shrinking with the widespread use of technology, and the ease and availability of travel.

We advocate that language is the expression of culture, and that the teaching of world languages goes hand in hand with the teaching of cultural perspectives, practices, products, traditions and beliefs. We model for our students that cultural and historical knowledge affects our choices to participate in the local and world community.

We believe in the importance of a four-year program to enable our students to communicate proficiently with those whose first language is not English, both in the United States and abroad. We make every effort to recognize the dynamics of life in the 21st century, which includes the promise of unique career, service and leadership opportunities to students who are successful at becoming bilingual. We encourage the integration of various disciplines taught at Magnificat, together with the rights of all world citizens, and the themes of Catholic social justice teachings.

610 Spanish 1 / 615 French 1

- 9
 - 1 credit
 - year
 - 10 mods
- Prerequisite: None*

First level students will develop the skills to communicate by listening, speaking, reading and writing. They will gain knowledge and understanding of other cultures, explore the structure of language, make connections with other disciplines, and become aware of Spanish and French influence in the community.

616 Chinese 1

- 9
 - 1 credit
 - year
 - 10 mods
- Prerequisite: None*

First year students will learn to speak Mandarin Chinese, to distinguish tonal sounds, and to read and write using pinyin to transition to Chinese characters (approximately 300). Students will use the characters they learn to write sentences. They will also gain knowledge and understanding of linguistic and cultural variations of the Chinese-speaking world, and become aware of Chinese influence in the community.

617 Arabic 1

- 9
 - 1 credit
 - year
 - 10 mods
- Prerequisite: None*

First year students will learn to speak Modern Standard Arabic, read from right to left, and use the Arabic alphabet to write in cursive handwriting, which incorporates rules for connecting letters. They will gain knowledge and understanding of linguistic and cultural variations of the Arabic-speaking world, and become aware of Arabic influence in the community.

620 Spanish 2 / 625 French 2

- 9,10
 - 1 credit
 - year
 - 10 mods
- Prerequisite: Successful completion of French 1/Spanish 1*

Second year students continue to develop language skills by listening, speaking, reading and writing in Spanish or French. Verb tenses, sentence structure and cultural perspectives and practices taught in the first year will be further developed. New vocabulary as well as grammatical concepts and linguistic comparisons will be introduced through a variety of communicative tasks including dialogues, compositions, creative projects, and lab practice for listening and speaking. Concepts continue to be presented in a cultural context, including geography and communities.

627 Arabic 2

- 9, 10
- 1 credit
- year
- 10 mods

Prerequisite: Successful completion of Arabic 1

Second year students continue to develop language skills by listening, speaking, reading and writing in Arabic. Verbs, sentence structure and cultural perspectives and practices taught in the first year will be further developed. Students will continue to learn pronunciation, and the rules for writing and connecting letters in cursive. New vocabulary as well as grammatical concepts will be introduced through a variety of communicative tasks including dialogues, creative projects, and lab practice for listening and speaking. Concepts continue to be presented in a cultural context, including geography and communities.

626 Chinese 2

- 9, 10
- 1 credit
- year
- 10 mods

Prerequisite: Successful completion of Chinese 1

Second year students continue to develop language skills by listening, speaking, reading and writing in Chinese. Verbs, sentence structure and cultural perspectives and practices taught in the first year will be further developed. Students will continue to learn pronunciation and approximately 400 additional Chinese characters. New vocabulary as well as structural concepts will be introduced through a variety of communicative tasks including writing paragraphs and dialogues, preparing creative projects, and practicing listening and speaking in the lab. Concepts continue to be presented in a cultural context, including geography and communities.

630 Spanish 3 / 635 French 3

- 10, 11
- 1 credit
- year
- 10 mods

Prerequisite: C+ average in 2nd year or teacher recommendation

Third year students acquire a broader and deeper understanding of language as they effectively integrate learned structures and vocabulary to further develop proficiency in listening, speaking, reading and writing. Students will use the language they have learned by reading excerpts from literature, writing compositions and participating in projects and presentations on cultural themes.

631 Honors Spanish 3 /

638 Honors French 3

- 10, 11
- 1 credit
- year
- 10 mods

Prerequisite: A in French 2 or Spanish 2 and a teacher recommendation

Honors French 3 and Honors Spanish 3 are rigorous fast-paced courses conducted almost exclusively in the target language. Qualified students will study a wide range of themes and world cultures in great depth. Students continue to advance interpersonal, interpretive and presentational communication skills as they further develop language proficiency in reading, writing, listening and speaking. Students participate in individual projects and one exposed to advanced language learning strategies. A teacher recommendation based on the student's performance, work ethic and commitment to language study is a prerequisite for this course.

639 Honors Chinese 3

- 10, 11
- 1 credit
- year
- 10 mods

Prerequisite: B average in 2nd year and teacher recommendation

Third year students acquire a broader and deeper understanding of language as they effectively integrate learned structures and vocabulary to further develop proficiency in listening, speaking, reading and writing. Students will continue to learn pronunciation and approximately 400 additional Chinese characters. Students will begin transitioning from traditional characters to reading and writing simplified characters where applicable. They will use the language they have learned by reading excerpts from literature, writing compositions and participating in projects and presentations.

640 Honors Arabic 3

- 10, 11
- 1 credit
- year
- 10 mods

Prerequisite: B average in 2nd year and teacher recommendation

Third year students acquire a broader and deeper understanding of language as they effectively integrate learned structures and vocabulary to further develop proficiency in listening, speaking, reading and writing. Students will continue to learn pronunciation, and the rules for writing and connecting letters in cursive. They will use the language they have learned by reading excerpts from literature, writing compositions and participating in projects and presentations.

642 Spanish 4 / 647 French 4

- 11,12
- 1 credit
- year
- 10 mods

Prerequisite: C+ average in French or Spanish 3 or Honors 3, or teacher recommendation

Fourth year is an intermediate to advanced course, taught almost exclusively in the target language, in which students are expected to integrate the linguistic concepts they have learned in prior levels. The objectives of this level incorporate communication and cultural standards from the Ohio World Languages Curriculum. The courses consist of cultural units, considered within the context of the Spanish/French-speaking world, its people, literature, current events, music, arts, and media. Upon completion of the course, students will communicate in the target language at an intermediate level using interpersonal speaking and writing, interpretive listening and reading, and presentational speaking and writing.

658 Honors Chinese 4

- 11,12
- 1 credit
- year
- 10 mods

Prerequisite: B average in Honors Chinese 3 and teacher recommendation

Fourth year and AP Chinese students acquire a broader and deeper understanding of the Chinese language, and prepare for the AP Chinese Language Exam as they effectively integrate learned structures and vocabulary to further develop proficiency, and to continue to perfect their Chinese pronunciation and the use and recognition of Chinese characters. Students interpret written and spoken language, and express opinion and persuasion in compositions, letters and essays. They will read and listen to authentic materials, and study current events in China in order to prompt discussions and projects. They will speak extemporaneously in formal presentations as well as in spontaneous conversations.

659 Honors Arabic 4

- 11,12
- 1 credit
- year
- 10 mods

Prerequisite: B average in Honors Arabic 3 and teacher recommendation

Fourth year students acquire a broader and deeper understanding of the Arabic language as they effectively integrate learned structures and vocabulary to further develop competency, and to continue to perfect their Arabic pronunciation and cursive writing. Students interpret written and spoken language, and express opinion and persuasion in compositions, letters and essays. They will listen to authentic materials, read excerpts from literature, and study current events in the Arabic speaking world in order to prompt discussions, projects and presentations.

660 AP Spanish Language and Culture

- 11,12
- 1 credit
- year
- 11 mods

Prerequisite: B+ average in Spanish 4 or Honors Spanish 3 for both semesters and teacher recommendation

Advanced Placement Spanish Language and Culture follows a curriculum that is approved by the College Board. It thoroughly incorporates language and culture through the study of the six themes of Family and Communities, Science and Technology, Beauty and Esthetics, Contemporary Life, Global Challenges and Personal and Public Identities. Each theme has several related contexts, which facilitate the teaching of personal and presentational communication, interdisciplinary connections, cultural comparisons, and community participation. Students will further learn, practice, and apply concepts of advanced grammar. They will use authentic reading, listening and video resources, related to the six cultural themes, in comprehension exercises and activities. The content of the six themes will be the basis for learning the skills for personal conversation, oral presentation, replying to e-mails, and writing persuasive essays. The course of study culminates in an AP Spanish Language and Culture Exam, which, in some cases, can be applied for college credit in language study.

665 AP French Language and Culture

- 11, 12
- 1 credit
- year
- 11 mods

Prerequisite: B+ average in Honors French 3 or French 4 for both semesters and teacher recommendation

Students prepare for the AP French Language and Culture Exam by studying the following themes proposed by the College Board: Global Challenges, Beauty and Aesthetics, Families and Communities, Personal and Public Identity, Science and Technology, and Contemporary Life. Students work toward competency, by integrating vocabulary, grammar and culture in a variety of ways such as, writing letters and essays, and creating oral presentations and extemporaneous conversations. There is emphasis on the use of authentic French materials, which incorporate the six themes. The language laboratory is used to provide access to such materials and to give students the opportunity to listen to native speakers in a variety of settings. The lab makes it possible for students to record and correct oral work, and provides them with individualized feedback from the teacher.

Schedule Change Protocols

To ensure effective planning of resources, course registrations for the following year must be finalized by March. A broad whole-school approach is incorporated throughout the establishment of course sections and the creation of student schedules, using a master scheduling program. Scheduling factors such as balanced class sizes and personnel must be taken into consideration, therefore, course changes after the master schedule has been built are discouraged, and will be evaluated individually and circumstantially, according to the following stipulations:

1. Requests for scheduling considerations initiated by the student and her parent after April 13, 2018 will be assessed a \$30.00 fee.
2. Deadline for adding or dropping courses will be posted prior to the start of each semester. No course changes will be processed after those dates. Please note, year-long classes can only be dropped at the start of the first semester.
3. In the event of a course change, a student must follow her original schedule until officially notified by the Registrar.
4. Each student is required to carry 6 credits each year, including 3 credits each semester.

Administration

Mrs. Mary Dwyer-Kueller
Dean of Student Life and Formation
mdwyer-kueller@maghs.org
440.331-1572

Ms. Marilyn Arundel
Dean of Faculty and Academics
marundel@maghs.org
440.331-1572

Mrs. Maggie McCarthy
Registrar
mmccarthy@maghs.org
440.331-1572

Counseling and Student Support

Mr. Keith McMillin
Director of Counseling Department
College Counselor
kmcmillin@maghs.org
440.331-3595

Mrs. Kelly Simari
Counselor
Freshmen/Sophomores
ksimari@maghs.org
440.331-3595

Miss Jessica Roth
Counselor
Freshmen/Sophomores
jroth@maghs.org
440.331-3595

Miss Megan Sturgeon
College Counselor
msturgeon@maghs.org
440-331-3595

Mrs. Jennifer McQuate
College Counselor
jmcquate@maghs.org
440.331-3595

Dr. Ricia Weiner
Director of Student Support Services
Department, School Psychologist
rweiner@maghs.org
440.331-3595 ext. 294