



FATHER GABRIEL RICHARD

HIGH SCHOOL • ANN ARBOR • EST. 1868

2020 – 2021 Course Catalog

This curriculum guide presents to the students and parents courses of study that will support the students' academic, spiritual, and physical growth. We ask that each parent and student carefully consider the material presented.

The school requires certain courses for graduation. Over and above these minimum requirements, there are courses that are designed to enhance the core curriculum. These courses are:

Music Liturgy	Film	Computer Applications
Music Appreciation	Debate/Trial Simulation	Publications
Madrigals	Law	Learning Resource Center*
Drama	Psychology	Upper & Advanced Level:
Choir	Historical Survey	- <i>German</i>
Concert Band	Geography	- <i>Spanish</i>
Basic Foundation Art	Forensic Science	- <i>French</i>
Advanced Studio Art	Shakespeare	- <i>Latin</i>

*Counselor approval only

Our guidance department will help any student with questions about the direction he or she should pursue during high school.

Introduction

This Course Catalog serves two purposes: It outlines the academic requirements and policies of Father Gabriel Richard High School and provides descriptions for all of the academic courses being offered for the upcoming school year.

It is important for both students and parents to review this Course Catalog carefully in planning a course of study toward graduation and select courses for the coming year that fit that plan. The following are points to consider:

- Will the courses selected meet graduation requirements for Father Gabriel Richard High School?
- Will the courses selected meet the admissions requirements of the colleges being considered for post-secondary education?
- Have the pre-requisites, if any, for selected courses been met?
- Are courses selected taken in a logical sequence?

- Have I made adjustments in my schedule to re-take any failed courses?

Students should consult their counselor and subject teachers when planning a course of study and selecting courses to ensure that the points listed above are taken into consideration.

The Academic Program

The academic program at Father Gabriel Richard High School is a comprehensive course of studies, emphasizing a thorough study of the basic disciplines. There are also opportunities during the four-year sequence for students to select several elective courses to broaden their interests or pursue additional study in a discipline.

The Academic Year

An academic year at Father Gabriel Richard High School is composed of two semesters. Each semester, in turn, is composed of two quarters, each approximately nine weeks long. Only semester grades are posted on transcripts.

Normal Course Load

Students at Father Gabriel Richard High School are required to take seven credits each year.

Residency Requirement

To qualify for graduation and earn a Father Gabriel Richard High School diploma, a student must successfully complete the last two semesters of course work at Father Gabriel Richard High School.

Graduation Requirements

Students are required to complete a general comprehensive program consisting of twenty-six (26) course credits for graduation. Students who transfer into Father Gabriel Richard High School after the start of their freshman year must complete twenty (22) course credits, plus one-half (½) credit of Theology for each semester in attendance. The departmental “core” course requirements for graduation are as follows:

<u>Theology</u> (Transfer students, .5 credits per semester enrolled)	4 credits
<u>English</u> English I (1), English II (1), English III (1), English IV (1)	4 credits
<u>Mathematics</u> Algebra I*(1), Geometry (1), and Algebra II (1)	3 credits
*If placing out of Algebra I, students must obtain an additional credit beyond Algebra II/Trig	
<u>Science</u> Includes one (1) credit in Biology and one (1) credit in Chemistry or Physics	3 credits
<u>Social Studies</u> Western Civilization (.5), Modern Western Civilization (.5), Economics (.5), American History (1), American Government (.5)	3 credits

<u>World Language</u>	2 credits
Two consecutive years of study in the same language Latin, German, French or Spanish	
<u>Fine Arts</u>	1 credit
<u>Physical Education</u>	1 credit

One credit corresponds to a course that meets five days per week for an entire year (two semesters). A one-half credit course meets five days per week for one semester.

Recommended Course of Study

In order to meet the admissions requirements for a wide variety of colleges and universities, the Guidance Office suggests the following course of studies:

Theology	4 years	(4 required)
English	4 years	(4 required)
Mathematics	4 years	(4 required)
Science	4 years	(3 required)
Social Studies	3 years	(3 required)
World Language	3 - 4 years	(2 required)
Fine Arts	2 years	(1 required)
Physical Education	1 year	(1 required)
Computer Literacy		

Academic Policies and Academic Standing

The following information pertains to academic policies and standing. Additional information regarding these areas may be found in the ***Student-Parent Handbook***.

Student Absence

Great emphasis is placed on regular class attendance, as learning comes not only from textbooks but also from the teacher-student and student-student interaction that takes place in the classroom. It is expected that students and parents take regular attendance seriously. Students may not receive credit for any class in which they have been absent more than ten (10) times, excused and unexcused combined, in any semester. Students may appeal and if there is sufficient reason, credit may be restored.

Incomplete Course Work

A teacher may give a grade of Incomplete (“I”) when a student has been unable to complete course work during a grading period due to serious illness or other exceptional circumstances. Should this

occur, it is incumbent upon the student, upon his/her return, to make arrangements with the teacher to complete the work within a reasonable time to be determined by the teacher. When the work is completed, the grade will be changed. Should a student fail to make such arrangements with the teacher within two (2) weeks of the end of the grading period in which the incomplete is given, that incomplete grade will be changed to a failing (“F”) grade. Failure to take a final exam in any course will result in a “0” for that exam.

Course Additions

Students who wish to add a course may do so only with permission from their parents, counselor, and teacher and only if space permits. This addition must be made within the first two weeks of the year (for a year-long course) or within the first week of the semester (for a semester-long course).

Course Withdrawals

A request for a course withdrawal must be made to the guidance office within the first two weeks of the school year (for year-long courses) or within the first week of the semester (for semester-long courses). Parent, teacher, and counselor permission is required. **A student may not request a withdrawal from a year-long course during the second semester of the school year.**

A course withdrawal for a year-long course may be recommended by a counselor or by a teacher when, in the professional judgment of either, the student is misplaced or circumstances in the student’s life dictate a change.

Outside Credit

Father Gabriel Richard High School accepts summer school credit (or its equivalent) from an accredited institution for failed required courses only. The guidance office must approve courses before enrollment.

Course of Studies Planning

9th Grade

	<u>Credit</u>
Theology I	1
English I	1
Western Civilization	.5
Biology	
Math	
Language	
Fine Arts	
Electives	

Points to Consider

1. World language, math, and biology are advised.
2. Students interested in orchestra or choir are encouraged to sign up for these in freshman year.
3. Freshmen are encouraged to consider Conditioning to begin fulfilling the PE requirement.
4. Four years of mathematics is required.

10th Grade

	<u>Credit</u>
Theology II/Sophomore Service	1
English II	1
Modern Western Civilization	.5
Economics	.5
Science	
Math	
Language	
Fine Arts	
Electives	

Points to Consider

1. Four years of math are required.
2. Three years of science are required.
3. Two years of world language are required.
4. One year of fine arts is required.
5. PE requirement met?
6. Economics is required.

11th Grade

	<u>Credit</u>
Theology III	1
English III	1
American History	1
Science	
Math	
Electives	

Points to Consider

1. Three years of science are required.
2. Two years of world language are required.
3. Four years of math are required.
4. One year of fine arts is required.

12th Grade

	<u>Credit</u>
Theology IV	1
English IV	1
American Government	.5
Math	1
Electives	

Point to Consider

1. Students must have 26 credits to graduate.
2. Many colleges are looking to see 4 core courses (English, Math, Science, World Languages, Social Studies) in senior year.

COURSE OFFERINGS AND DESCRIPTIONS FOR 2020 - 2021

THEOLOGY DEPARTMENT

Requirements: Students are required to successfully complete an appropriate theology course each semester they are enrolled.

“The greatest challenge to Catholic education in the United States today...is to restore to that culture the conviction that human beings can grasp the truth of things, and in grasping that truth can know their duties to God, to themselves and their neighbors.”

St. John Paul II

The Theology Department seeks to form students in the knowledge and love of Christ in order to equip them to live as lifelong missionary disciples of Jesus in the world today. The four year curriculum is based on the U.S. Bishop’s Curriculum Framework for High School. In collaboration with Father Gabriel Richard’s Campus Ministry program, students are offered a variety of opportunities to respond in faith to the intellectual formation received in the classroom, such as weekly Mass and adoration, class retreats, Christian Service, penance days, and much more. In this way, the Theology program seeks to provide not only instruction in the faith, but also apprenticeship in Christian living. (General Directory for Catechesis, n. 30) Because it is central to our mission as a Catholic school, theology as a field of study enjoys pre-eminence among the academic disciplines.

Theology I (9101 Fall, 9102 Spring) (Freshmen)

1 Credit

Year-long Course

First year Theology covers foundational topics in the Catholic faith: our need for God; God’s revelation in Jesus Christ; Sacred Scripture as God’s Word to us; survey of Old and New Testaments; the nature of faith; challenges to faith in God; the Doctrines of the Holy Trinity, the Incarnation and the Paschal Mystery.

Theology II The Church (9201 Fall) (Sophomores)

½ Credit

One Semester

The Church course will help students understand that they encounter the living Jesus Christ in and through His Church. Students will understand that the Church provides the means through which they may enter into an intimate relationship with a God who loves them and who has called them to share that same love with the world.

Theology II Sacraments (9202 Spring) (Sophomores)

½ Credit

One Semester

Learning about the sacraments will help students understand that they can encounter Christ today in a full and real way in and through the sacraments, especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life.

Theology III Moral Theology (9301 Fall) (Juniors)

½ Credit

Year-long Course

Junior Theology focuses on what it means to have new life in Christ through an in-depth examination of the moral teachings of the Catholic Church. Students will understand that it is only through Christ that they can fully live out

God's plans for their lives. Students are to learn the moral concepts and precepts that govern the life of Christ's disciples, recognizing and embracing life in Christ as a life of freedom, happiness, joy, love, meaning and self-giving.

Theology III Catholic Social Teaching (9302 Spring)

½ Credit

One Semester

The Church's social teaching is a rich treasure of wisdom about building a just society and living lives of holiness amidst the challenges of modern society. Modern Catholic social teaching has been articulated through a tradition of official teachings. The depth and richness of this tradition can be understood best through a direct reading of these documents. Students will read the documents and identify the key themes that are at the heart of our Catholic social tradition.

Theology IV (9401 Fall) (Senior Requirement)

½ Credit

The Meaning of Vocation and the Theology of the Body

One Semester

Senior Theology will focus on the meaning of vocation in the words of St. John Paul II. An overview will be given on the various vocational states of life within the Church. Seniors will then begin to study in depth St. John Paul II's Theology of the Body. Through this study students will gain an understanding of the Church's teaching on human sexuality and the theology of marriage and celibacy. Students will also come to recognize more deeply the wisdom of the Church's defense of human dignity and integrity.

***Seniors may choose between the two electives listed below for second semester:**

Living as a Disciple of Jesus Christ in Society (9412 Spring)

½ Credit

One Semester

This elective course seeks to strengthen the students' discipleship walk in an experiential way and allow them to more fully appreciate the beauty of Catholic teaching as it promotes the dignity and goodness of the human person in a society based on equality and justice reflecting God's purpose and mission for humanity. Using a seminar format, this class will invite students to think critically about the world and culture around them by offering the opportunity to engage in thoughtful discussion in various areas of modernity including the Culture of Death, Social Ills, Media & Technology and Sexual Concerns. Students will also be given the chance for extended personal prayer time using the Ignatian method so as to discern God's voice in their own prayer life.

Prescriptions for Mission – Sacred Scripture (9422 Spring)

½ Credit

One Semester

The senior elective is a study of the New Testament with special focus on the Letters of St. Paul, and the 7 catholic letters covering issues addressed by Saints Paul, Peter, John, James and Jude regarding living the Christian life, moral behavior, the Eucharist, the Person of Christ, and the Church, with attention also paid to the difficulties and challenges of the First Century Christians that remain relevant for us today.

Theology Electives

Music in the Liturgy (9011 Fall, 9012 Spring)

½ Credit

Cross listed under Fine Arts Department

Prerequisite: Admission by audition with the instructor for those wanting the opportunity to play music during mass and special events.

(Can be elected more than once)

This semester-long course will introduce the student to Christian music; contemporary, traditional, and classical. Students will learn to appreciate the wealth of the Church's musical legacy. Students will participate in all of the school liturgies.

This course may be elected as an Instrumental Fine Arts Credit.

ENGLISH DEPARTMENT

Requirements: Four credits of English are required for graduation.

The Father Gabriel Richard High School English Department believes in the implementation of a rigorous academic and faith-based curriculum that embodies the tenants of Catholic faith and tradition while preparing students to be citizens of the modern world. Through critical thinking, close reading, and the study of classic literature and the Great Books, students will continue to deepen their faith and draw connections and comparisons between Christianity, literature and real world applications. Students will continue to grow in their critical analysis reading skills, and develop coherent and logical oral and written skills that will serve them as they prepare for postsecondary education, the workforce and beyond. Ultimately, all analysis of the works will be from a sacramental view of the world—which is to say that the works will be presented and respected as unique reflections of God’s own beauty.

Course curriculums are aligned to scope and sequence instruction based on textual reading, written composition and oral presentation skills. Honors and Advanced Placement Courses are aligned to and approved by the National College Board.

The English department reviews all student course selection requests (for placement) in order to best meet the needs of all students. Before each academic year, student placements should be reviewed by FGR English department instructional staff, FGR counseling staff, students and parents. Freshmen are placed according to their High School Placement Test scores. Transfer students will be placed according to previous work successfully completed at the high school level.

The standard sequence for grades 9 -12 is shown below.

Recommended Course of Study

	English	Honors and AP English
Grade 9	English 1	Honors English I
Grade 10	English II	Honors English II
Grade 11	English III	AP Language and Composition
Grade 12	English IV	AP Literature and Composition

Students may also seek additional English credits, choosing from a variety of semester electives in the course catalog. Please note, these elective courses will not replace required English courses listed above.

English I – Introduction to World Literature and Composition (2101 Fall, 2102 Spring)**1 Credit**

Year-long Course

English I is a course in which students will embark on an epic adventure accompanied by some of the greatest authors, characters, and creatures of literature. Students will meet these men and women, gods and goddesses, saints and devils through excerpts and partial readings of the Great Books. Additionally, while it is important to discover the True, the Good, and the Beautiful, it is equally important to be able to write about and discuss one's findings. Therefore, students will compose shorter formal and in-class essays to develop their organizational skills. Emphasis will be placed on relating theses and body paragraphs. Developing the ability to work in groups and engage in analytical discussion will also be emphasized. Students will cover the basics of grammar and mechanics as they apply to their individual writing. Throughout the year, students will expand their vocabulary through the both their reading of the Great Books, and use of the Sadlier Oxford Vocabulary books.

Honors English I – Introduction to World Literature and Composition**1 Credit**

Year-long Course

(2141 Fall, 2142 Spring)*Prerequisite: Above average reading scores on the High School Placement test and teacher recommendation*

Honors English I is a course in which students will embark on an epic adventure accompanied by some of the greatest authors, characters, and creatures of literature. Students will meet these men and women, gods and goddesses, saints and devils through readings of the Great Books. Additionally, while it is important to discover the True, the Good, and the Beautiful, it is equally important to be able to engage in critical analysis of one's findings. To help students engage in critical analysis, Honors English I will be expected to read the entirety of the Great Books, and longer excerpts. Honors students are expected to engage with supplemental texts and critical essays, in addition to reading the Great Books themselves. Therefore, students in Honors English should expect to have a significant amount of reading homework. Honors students will compose multiple developed essays, both formally and in-class. Honors students will also learn about the grammar and mechanics of the English Language by studying the masters and closely analyzing the grammatical and mechanical structures present in the Great Books. Finally, students will expand their vocabulary through the both their reading of the Great Books, and use of the Sadlier Oxford Vocabulary books. It is necessary, then, that the Honors English I students have a love of reading, writing, and of ideas.

English II – World Literature and Composition (2201 Fall, 2202 Spring)**1 Credit**

Year-long Course

English II builds on the analytical reading and essay composition skills introduced in English I. Students continue to work on grammar and vocabulary as they closely read short fiction, epics, drama, poetry and novels from the Great Books curriculum (some of these works will be excerpted). Students expand their understanding of literary terms and techniques and focus on how these techniques enhance the larger meaning and purpose of the text. Ultimately, all analysis of the works will be from a sacramental view of the world—which is to say that the works will be presented and respected as unique reflections of God's own beauty. In-class essays are composed regularly, while formal critical essays are submitted each quarter.

Honors English II – World Literature and Composition (2241 Fall, 2242 Spring)**1 Credit**

Year-long Course

Prerequisite: Teacher recommendation

Honors English II builds on the analytical reading and essay composition skills introduced in Honors English I. The grammar studies for the Honors level, however, will be based directly on the studied works; that is, we will study specifically the grammatical structure of Shakespeare, Wordsworth, Poe, Hawthorne, and other Great Books authors of the curriculum. While reading all works in their entirety, students will expand their understanding of literary terms and techniques and focus on how these techniques enhance the larger meaning and purpose of the text. Ultimately, all analysis of the works will be from a sacramental view of the world—which is to say that the works will be presented and respected as unique reflections of God's own beauty. To that end, in Honors English II, at least two formal critical essays

are submitted each quarter. It is necessary, then, that the Honors English II students have a love of reading, writing, and of ideas.

English III- American Literature and Composition (2301 Fall, 2302 Spring)

1 Credit

Year-long Course

English III builds on the analytical reading and essay composition skills introduced in English II. Its objective is to provide 11th grade students with experience in close reading, analyzing, and writing about various classical texts and Great Books that have influenced the Western Canon over the centuries and whose influence can still be observed today. This study will include analyzing the full texts of a variety of classical works, along with some excerpts and partial readings of other valuable texts. Students will become familiar with various genres of literature and will be able to analyze them objectively through the culture in which they were written and that of our Christian culture today. Through research assignments and the composition of short essays, students will become more critical of the world around them and will learn to evaluate and use information fairly to support original thinking. Writing instruction will focus on the steps of the writing process, essay organization, and supporting arguments with evidence from a text. This course promotes a deepening of faith by challenging students to make personal connections between themes present in both literature and the Catholic faith, as well as how the two intertwine to shape the wider culture.

Advanced Placement - Language and Composition (2351 Fall, 2352 Spring)

1 Credit

Year-long Course

Prerequisite: Teacher recommendation

AP Language and Composition builds on the analytical reading and essay composition skills introduced in Honors English II. It emphasizes the inherent and important responsibility of students to construct well-developed oral and written perspectives to help make them competent, educated citizens of the 21st century. This college-level course requires students to read extensively and carefully analyze a range of broad and challenging topics through nonfiction textual selections, deepening student awareness of rhetoric and how language works. Students will use various writing composition, course activities and projects to strengthen their own writing abilities. In addition, they will be able to understand, sequence and construct complex arguments that will apply to a variety of social, political and economic viewpoints. Textual selections feature a collection of expository, analytical, personal, and argumentative pieces across centuries that will challenge students to consider current events, built on a faith perspective. Students will examine and work with essays, letters, speeches, and even images, learning to analyze image as text. Through close reading, rhetorical analyses and debate, students will come to recognize ambiguities as they discern an author's intent. Other daily tasks will consist of grammar review, reading fluency practice, vocabulary exercises, text annotations, research, and the use of consistent editing, revision and review. It is necessary, then, that the AP Language students have a love of reading, writing, and of ideas.

Students who take AP Language and Composition will be prepared to take the National AP Examination in the spring of the year in which they are taking the class.

English IV - British Literature & Exploratory Reading and Writing (2401 Fall, 2402 Spring)

1 Credit

Year-long Course

English IV builds on the analytical reading and essay composition skills introduced in English III. It is a study of a variety of elements of The Great Books in different literary periods, including excerpts from Ancient, Medieval, Metaphysical, Elizabethan, Romantic, Victorian, and the Modern eras. Students will refine their skills of analysis, synthesis, and judgment in the expression of their ideas in class discussions and writing. Lastly, students will master elements of composition and vocabulary in preparation for standardized testing and college entrance exams. The goal of this course is to improve students' critical reading, thinking, writing, and speaking skills. Students will be given the chance to engage in discussions upon specific topics derived from primary sources, and will be expected to write an in-depth research paper along with a number of shorter essays.

Advanced Placement - Literature and Composition (2451 Fall, 2452 Spring)**1 Credit**

Year-long Course

Prerequisite: Placement test and teacher recommendation

Advanced Placement Literature and Composition builds on the analytical reading and essay composition skills introduced in Advanced Placement Language and Composition. It is designed to teach college writing through the fundamentals of rhetorical theory, and follows the curricular requirements described in the AP Course Description.

This college-level course is an intensive study of The Great Books that challenge the student to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read the entirety of these works, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course will cover different literary genres, including poetry, drama, fiction, and non-fiction. Students will refine their skills of analysis, synthesis, and judgment in the expression of their ideas in class discussions and writing. AP students are expected to engage with supplemental texts and critical essays, in addition to reading the Great Books themselves. Therefore, students in AP Literature should expect to have a significant amount of reading homework. Finally, this course not only endeavors to prepare students to succeed on the AP English Literature and Composition exam, but to foster a greater appreciation and understanding of literature and its ability to help perfect the human person. It is necessary, then, that the AP Literature students have a love of reading, writing, and of ideas.

It is a course expectation that all students enrolled in the AP Literature and Composition class will take the National AP Examination in the spring of the year in which they are taking the class.

Speech I (2471 Fall)**½ Credit**

Speech I is a course that will focus on public speaking, which is often listed as a top fear of people at all ages and stages of life. However, it is a skill the importance of which cannot be over emphasized. Additionally, it is a skill that we can use to fulfill our life's purpose as Catholics to spread the gospel to all whom we encounter. The purpose of this speech course is to help students build their confidence and their public speaking skills, by learning about the ins and outs of competitive Forensics. Students will learn about the different competitive categories, practice and prepare materials for a given category, and compete in 'mock' tournaments.

Speech II (2472 Spring)**½ Credit**

Prerequisite: Students must have completed Speech I OR have been part of FGR Forensics Team since the beginning of the year.

Speech II is a course in which students will build upon the skills and pieces researched in Speech I. Students are required to attend and/or participate in at least one formal Forensics tournament. Competitions require students to commit to one Saturday in the second semester and will require students to pay \$20 to cover the tournament fee (waived for Forensics Team members). Students will complete writing assignments in which they analyze the abilities of performances they observe, and reflect on their own performances. Finally, students will spend time watching and analyzing historically significant speeches.

Film I (2001 Fall, 2002 Spring)**½ Credit***Prerequisite: None**(Sophomores, juniors & seniors)**(Can only be elected once)****Selection of Film will no longer count as a Fine Arts credit.***

You will never watch movies the same way! Starting with silent films and working up to the early 1950's, Film I students will watch the best films from each decade while learning to analyze acting, film techniques and mise-en-scene. If you don't know what that is – don't worry – you will and it will change how you watch movies.

Film II (2011 Fall, 2012 Spring)

½ Credit

(Sophomores, juniors & seniors)

(Can only be elected once)

Selection of Film will no longer count as a Fine Arts credit.

What movie changed the way movies are made forever? Find out in Film II! This class will continue to study film from the late 1950's through the 70's. Students will learn to critique acting, directing, and screen writing while analyzing how the changing times of our country changed film. (And Film I students, don't worry – mise-en-scenes are still there.)

Humanities (2571 Fall, 2572 Spring)

1 credit

Year-long Course

(Seniors and juniors - senior requests will be honored first)

The essential aim of this course is to explore, understand and appreciate the singular way in which the Catholic mind sees time and creation; and, further, to understand the way in which that vision informs and guides the Catholic approach to literature, philosophy, painting, architecture and science. For the sacramental mind—that is, for one who believes that the kingdom of God is at hand—all of creation becomes a canvas in which to reveal the face of God.

MATHEMATICS DEPARTMENT

Requirements: Three credits of mathematics are required for graduation. Students must complete a course in Algebra I (students may place out of this course with a “by-pass exam”), Geometry, and Algebra II in order to graduate. Starting with the class of 2022, students will be required to complete 4 credits in math.

The mathematics department offers a wide range of classes designed to help all students achieve mastery of basic mathematical principles and techniques. More than developing computational techniques, the department looks to develop in students the habits of thought native to mathematical reasoning: estimation, logical method, abstraction of concepts, and methods for problem solving. Math incorporates faith when learning how to solve story problems, solve equations, and calculate error analysis. Math teachers incorporate the Catholic School Curriculum Math Standards, as written by The Cardinal Newman Society, when preparing their lessons.

The mathematics department, based on student aptitude, experience, and interest, guides placement in mathematics courses. The math department reviews all student course selection and placement and may recommend or require a different class selection based on student ability and performance. Freshmen will be placed in a math class based on entrance exam scores and teacher recommendation.

Four years of mathematics are highly recommended.

The usual math sequences proceed as follows:

Grade 9	Grade 10	Grade 11	Grade 12
Algebra 1 Essentials	Geometry Essentials	Algebra IIA*	Algebra IIB*/Personal Finance*
Algebra I	Geometry	Algebra II	Pre-Calculus or Statistics or Personal Finance
Honors Geometry	Honors Algebra II/Trigonometry	Honors Pre-Calculus or Statistics	AP Calculus AB or Statistics or Personal Finance

*These courses will change in upcoming school years.

Referring to the table above, students may double up in some cases or move from one row to another with permission of the department.

Algebra 1 Essentials (5121 Fall, 5122 Spring)

1 Credit

Year-long Course

This course intends to present the critical Algebra I topics and would be recommended to any student who has had little or no Algebra instruction or desires to sharpen their skills at a slower pace.

Algebra I (5101 Fall, 5102 Spring)

1 Credit

Year-long Course

Textbook Purchase Required

This is a full-year course in mathematical problem solving using algebraic techniques with an introduction to analyzing, graphing, and solving linear and quadratic equations. Students will develop facility in working with polynomial expressions.

Honors Geometry (5141 Fall, 5142 Spring)

1 Credit

Year-long Course

Textbook Purchase Required

Prerequisite: Approval of the department

This is the first course of the Honors Mathematics sequence designed for the advanced freshman (top 20%). This is a rigorous study of Euclidean Geometry integrated with solid and coordinate geometry. Logic, geometric theory, and geometric problem solving techniques will be emphasized. Writing, solving, and graphing systems of equations and inequalities, factoring polynomials, solving quadratic equations, and working with irrational numbers will be used in the context of geometry.

Geometry Essentials (5211 Fall, 5212 Spring)

1 Credit

Year-long Course

Prerequisite: Algebra I Essentials

This course intends to present the critical Geometry topics without proofs. It would be recommended to any student who has taken Algebra I Essentials.

Geometry (5201 Fall, 5202 Spring)**1 Credit**

Year-long Course

Textbook Purchase Required*Prerequisite: Algebra I*

Students will develop logical thinking skills through direct and indirect proofs of theorems. Concepts of Euclidean Geometry, problem solving techniques, fundamentals of right triangles, and a study of solid geometry will be the main emphasis of the course. Included in this class will be a review and practice of Algebra I skills. Topics covered include: inductive and deductive reasoning, similarity and congruence, transformations, triangles, quadrilaterals, polygons, circles, prisms, cylinders, pyramids, spheres, perimeter, area, volume and surface area with real-life applications throughout the course

Algebra IIA/B (5311 Fall 1, 5312 Spring 1, 5431 Fall 2)**1.5 Credits**

3 Semester Course

This is a three semester course that follows the Geometry Essentials (formerly Algebra IB) course in sequence. This course will cover the material necessary to meet state standards in Algebra II. The course is recommended for students needing more time to develop Algebra II skills.

Honors Algebra II/Trigonometry (5241 Fall, 5242 Spring)**1 Credit**

Year-long Course

Textbook Purchase Required*Prerequisite: Honors Geometry and approval of the department*

An accelerated course in advanced algebra and trigonometry, with extensive work on problem solving requiring several steps. Students will develop a solid understanding of algebraic techniques and transcendental functions. The use of a graphing calculator will be required. The FGRHS math department recommends a TI-83 Plus or TI-84 Plus.

Algebra II/Trigonometry (5301 Fall, 5302 Spring)**1 Credit**

Year-long Course

Textbook Purchase Required*Prerequisite: Algebra I, Geometry*

This course is a second year of Algebra and an introduction to transcendental functions with an emphasis on problem solving using graphical and algebraic techniques and on developing and using functions to model and solve practical problems. Introduction to basic trigonometry will be covered to prepare students for the ACT. A graphing calculator is required. The FGRHS math department recommends TI-83 Plus or TI-84 Plus.

Honors Pre-Calculus (5351 Fall, 5352 Spring)**1 Credit**

Year-long Course

Textbook Purchase Required*Prerequisite: Honors Algebra II/Trigonometry or Algebra II and approval of the department*

This course includes all of the elements of the Pre-Calculus course with an emphasis on a more in-depth analysis of concepts in addition to the practical methods. This class will include some topics from differential calculus. A graphing calculator is required. The FGRHS math department recommends TI-83 Plus or TI-84 Plus.

Pre-Calculus (5401 Fall, 5402 Spring)**1 Credit**

Year-long Course

Prerequisite: Algebra II or Honors Algebra II/Trigonometry

This course is a study of advanced Math topics with an emphasis on practical methods and preparation for Calculus. Topics will include advanced algebra concepts, trigonometry, and other transcendental functions, sequences and

series, and limits. A graphing calculator is required. The FGRHS math department recommends TI-83 Plus or TI-84 Plus.

Statistics (5411 Fall, 5412 Spring)

1 Credit

Year-long Course

Prerequisite: Minimum grade of B in Algebra II and approval of the department

This course will focus on gaining understanding through statistical reasoning in the context of hands-on data collection and interpretation projects. Algebra II is a prerequisite because students need to be able to apply algebraic formulas without detailed step-by-step explanations. This is not an AP course but it will help to prepare students for an introductory statistics course in college. A graphing calculator is required. The FGRHS math department recommends TI-83 Plus or TI-84 Plus.

Advanced Placement Calculus AB (5451 Fall, 5452 Spring)

1 Credit

Year-long Course

Textbook Purchase Required

Prerequisite: Honors Pre-Calculus and approval of the department

The course presumes some familiarity with limits and derivatives. It is an advanced calculus course with greater emphasis on underlying theory and complex problems. This course will follow the AP Calculus curriculum (AB syllabus) as a minimum. As time permits, it will move beyond integral calculus into infinite series and ordinary differential equations. Students are expected to take the AP Examination for college credit, which will be offered in May. A graphing calculator is required. The FGRHS math department recommends TI-83 Plus or TI-84 Plus.

Advanced Placement Calculus BC (5461 Fall, 5462 Spring)

1 Credit

Year-long Course

Textbook Purchase Required

Prerequisite: Honors Pre-Calculus and approval of the department

It is an advanced calculus course with greater emphasis on underlying theory and complex problems that are typically taught in a college level Calculus II course. This course will follow the AP Calculus curriculum (BC syllabus) as a minimum. Students are expected to take the AP Examination for college credit, which will be offered in May. A graphing calculator is required. FGRHS Math Department recommends TI-83 Plus or TI-84 Plus.

Personal Finance (5531 Fall, 5532 Spring)

½ Credit

Semester-long Course- Materials Provided

(Juniors and seniors)

Personal Finance is a semester class that will cover the topics of money management, borrowing, earning power, investing, financial services, and insurance. The goal of the class is to prepare students to make wise decisions about purchases, savings, and investments at every stage of life. Real-world situations will be utilized in all lessons, with a strong faith integration of God's plan for our personal finances.

SCIENCE DEPARTMENT

Requirements: Three credits of science are required for graduation; one credit must be Biology and one credit of Chemistry or Physics.

The science department endeavors to help the student make sense of the natural world, inquire into the complexities and interrelationships of living things and natural phenomena, find underlying patterns and develop theories that explain and predict. In life science, faith is integrated by encouraging student to have a deep sense of wonder and

delight about the natural universe, when demonstrating an understanding of what the Church teaches regarding work in biotechnology, and when learning to articulate the Church’s approach to the theory of evolution. In chemistry, faith will be integrated when learning about the nature of science and the search for truth, providing opportunity for wonder at the beauty and goodness of God, who has left his footprints in the smallest details of the natural world. Physics courses emphasize the complementary nature of faith and reason through a comparison and limitations of the knowledge derived from scientific models to theological inquiry, along with an exploration of the contributions of Catholic scientists. Science teachers incorporate the Catholic School Curriculum Science Standards, as written by The Cardinal Newman Society, when preparing their lessons.

The department, based on student interest, background, and experience does initial student placement in science. Subsequent course selection is based on student interest with departmental guidance. The science department reviews all student course selection and placement and may recommend or require a different class selection based on student ability and performance.

The following are some common sequences:

Grade 9	Grade 10	Grade 11	Grade 12
Biology	Chemistry Physics	Chemistry Physics Honors Physics Environmental Science Anatomy/Physiology Forensic Science	Chemistry Physics Honors Physics Environmental Science Anatomy/Physiology Forensic Science
Honors Biology	Honors Chemistry	AP Biology w/ Lab AP Chemistry w/ Lab AP Physics C AP Environmental Science	AP Biology w/ Lab AP Chemistry w/ Lab AP Physics C AP Environmental Science

Biology (6101 Fall, 6102 Spring)

1 Credit

Year-long Course

Prerequisite: None

Grade: Freshmen, transfer students

This is an introductory course designed to familiarize students with basic laboratory skills, cell structure and function, classification, plant and animal biology, genetics, ecology, and evolution. Lab skills are emphasized and some dissections are performed.

Honors Biology (6141 Fall, 6142 Spring)

1 Credit

Year-long Course

Suggested co-requisite: Honors Geometry

This course is recommended for those students who intend to follow the pre-Advanced Placement sequence of courses and take college level courses in their junior and senior years. This is an introductory course in biology that covers the topics of cell biology, genetics, and diversity. Encountered in the study of these topics are the themes of homeostasis, flow of energy, the levels of organization, the structure and function of living things, and evolution. An emphasis is placed on the bio-chemical aspects of the topics covered. Lab skills are required and some dissections are performed. A basic understanding of chemistry is recommended.

Environmental Science (6311 Fall, 6312 Spring)**1 Credit**

Year-long Course

*Prerequisite: Biology**Juniors and seniors (sophomores with permission of the department)*

This course is an interdisciplinary science, involving the study of ecology, chemistry, geology, botany, zoology, and some social sciences. The major focuses of study are environmental problems and their solutions, the use of natural resources and human interaction with the environment. Laboratory and fieldwork will be emphasized, along with discussion of current events. Students enrolling in this class should have a genuine interest in environmental topics.

Chemistry (6201 Fall, 6202 Spring)**1 Credit**

Year-long Course

Prerequisite: Algebra I

This course will deal with the nature, composition and changes of matter that are encountered in everyday life. Laboratory work and classroom demonstrations will reinforce the material presented in lecture. Students are expected to be able to construct and interpret graphs and solve simple algebraic problems.

Honors Chemistry/Pre-AP Chemistry (6241 Fall, 6242 Spring)**1 Credit**

Year-long Course

Co-requisite: Honors Algebra II or permission of the department

This course covers the material of the regular chemistry course, but in greater depth and with greater emphasis on theoretical foundations and mathematical techniques. The course will also include some additional topics from the Advanced Placement Chemistry curriculum. Homework for this course is conducted over the Internet; home access to the Internet is required.

Physics (6301 Fall, 6302 Spring)**1 Credit**

Year-long Course

Prerequisite: Algebra I

Conceptual physics introduces students to the fundamental concepts and laws that govern the world in which they live. Each physics concept is thoroughly explained and developed in class and through practice. Laboratory work promotes skills in taking and analyzing data. All math needed is developed in the course, and is used as a guide for thinking. Topics such as mechanics, waves (sound and light), and electricity are introduced to the students.

Honors Physics (6471 Fall, 6472 Spring)**1 Credit**

Year-long Course

Textbook Purchase required*Prerequisites: Honors Algebra II or approval of the department.*

Honors Physics is an algebra-based, introductory-level physics course that explores topics such as Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

AP Physics C (6451 Fall, 6452 Spring)**1 Credit**

Year-long Course

Textbook Purchase required*Prerequisite: Honors Physics or approval of the department**Recommended co-requisite: AP Calculus****Additional \$50 Lab Fee Required***

The AP Physics C course is equivalent to one semester of a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course includes topics in kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Introductory differential and integral calculus is used throughout this course. There will be a brief study of electricity and magnetism at the end of the course. Students who elect this course will be expected to take the College Board AP Physics C - Mechanics test in the spring.

Anatomy and Physiology (6321 Fall, 6322 Spring)

1 Credit

Year-long Course

Textbook Purchase required

Prerequisite: B average in Biology and Chemistry and approval of the department.

This course is a year-long study of human anatomy and physiology. The study of structure and function of each body system will be coordinated with the relationship among cells, tissues, and organs that comprise each system. The overall theme will be the proper functioning of the body and the maintenance of homeostasis. The theme of homeostasis is based on the regulation and coordination of all bodily functions by the nervous and endocrine systems. Lecture and discussion sessions will be augmented by laboratory work.

AP Biology (6351 Fall, 6352 Spring)

1 Credit

Year-long Course

Textbook Purchase required

Prerequisite: Biology and Chemistry

Enrollment in AP Biology Laboratory required

The AP Biology course is equivalent to a **full year** of college-level biology **and** lab. This course provides students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Emphasis will be focused in four major areas: 1. The process of evolution drives the diversity and unity of life. 2. Biological systems utilize free energy and molecular building blocks to grow, reproduce, and maintain dynamic homeostasis. 3. Living systems store, retrieve, transmit and respond to information essential to life processes. 4. Biological systems interact and these systems and their interactions possess complex properties. Class time will involve lecture and discussion. Students who elect this course will be expected to take the College Board AP Biology test in the spring.

AP Biology Laboratory (6361 Fall, 6362 Spring)

½ Credit

Prerequisite: Enrolled in AP Biology

Must be taken concurrently in semester 1 or 2.

Additional \$50 Lab Fee Required

This one semester laboratory course is a required component of the AP Biology class. It is to be taken concurrently with the AP Biology class, either in semester one or semester two. This hands-on lab class will cover eight required AP Biology labs, emphasizing the application of concepts learned in the AP class. In addition to learning laboratory techniques, students will learn how to understand problems, develop hypotheses, design and implement controlled experiments, identify dependent and independent variables, analyze data, draw conclusions, think analytically, and communicate results with appropriate data table and graphs. In addition, students will have the opportunity to use bioinformatics in modeling population dynamics.

AP Chemistry (6551 Fall, 6552 Spring)

1 Credit

Year-long Course

Textbook Purchase required

Prerequisite: Honors Chemistry and honors math concurrent or approval of the department

Enrollment in AP Chemistry Laboratory is required.

The AP Chemistry course is equivalent to a **full year** of college-level chemistry **and** lab. This course will build on the basic material covered in Honors Chemistry with expanded depth and breadth of coverage. There will be a greater emphasis on theory and on a mathematical quantitative approach. Enrollment in AP Chemistry Laboratory is also required to satisfy the syllabus requirements imposed by the College Board. During one semester the class and lab will be blocked together. Students who elect this course will be expected to take the College Board AP Chemistry test in the spring.

AP Chemistry Laboratory (6561 Fall, 6562 Spring)

½ Credit

Additional \$50 Lab Fee Required

This hands-on laboratory course will cover the essential elements of the 22 recommended experiments in the AP Chemistry course description. In addition to learning laboratory techniques, students will practice the art of making careful observations and of recording accurately what they observe. They will develop and practice written communication skills to properly describe their work.

AP Environmental Science (6651 Fall, 6652 Spring)

1 Credit

Year-long Course

Prerequisite: Biology and Chemistry

Additional \$50 Lab Fee Required

The AP Environmental Science course is designed to be the equivalent of a **one-semester**, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students who elect this course will be expected to take the College Board AP Environmental Science test in the spring.

Forensic Science (6021 Fall, 6022 Spring)

½ Credit

Textbook Provided

Prerequisite: Biology

(Juniors and seniors only)

(Can only be elected once)

Forensic science is multidisciplinary. It embodies concepts in many areas including chemistry, zoology, anatomy, genetics, physics, medicine, math and statistics, sociology, psychology, communications and law. Forensic science presents itself as a natural medium for students to practice the science of inquiry. It is a tool that uses the methods of science to help solve crimes, determine who committed them and how. It is also used to help with non-criminal activities such as structural failures, mass disasters, art forgeries, etc. Forensic science appeals to the detective in people. It can be fun to learn and apply. This course will be limited to one section per semester with a maximum enrollment of 24 students.

SOCIAL STUDIES DEPARTMENT

Requirements: Three credits are required for graduation, including Western Civilization (.5), Modern Western Civilization (.5), Economics (.5), American History (1), and Government (.5).

The social studies department provides students with the opportunity to understand the development of Western Civilization as a culture based on our Christian heritage. We study America as being a result of that development. Students are able to learn about their place in the living history of the United States, establishing a foundation for their future ideas. The courses offered not only provide students with strong content-based knowledge, but also help them develop the ability to think critically about societal issues and learn how to address them based on their

understanding of Christian social values. We focus on the place that each student occupies in the broad historical spectrum, emphasizing that “where I come from is what I am.” Social studies educates students on citizenship, providing them with the knowledge, skills and attitudes that will help them to become informed, competent and responsible citizens who thoughtfully participate in their community while exhibiting moral and civic virtue.

The usual progression sequence through the social studies requirements is as follows:

Grade 9	Grade 10	Grade 11	Grade 12
Western Civilization	Modern Western Civilization and Economics	American History or AP American History	American Government

Western Civilization (7101 Fall, 7102 Spring)

**½ Credit
Required**

*Prerequisite: None
(Recommended for freshmen)*

This course is a survey of the important trends, events, and individuals in the history of Western Civilization from the earliest civilizations through the Renaissance. Emphasis is placed on the birth and development of Christianity as the foundation of Western Civilization. The Bible is used as a primary source when studying certain ancient civilizations that contributed to the western world. The writings of the Church Fathers and later medieval scholastics are consulted to deepen understanding of the early Church and the moral and ethical guidelines she has provided for man to follow.

Modern Western Civilization (7201 Fall, 7202 Spring)

**½ Credit
Required**

*Prerequisite: None
(Recommended for sophomores)*

This is a survey course of world history from the Industrial Revolution to the dissolution of the Soviet Empire. This course will examine the great evils of modern times: militarism, communism, fascism and Nazism. It will explore the continuing dissolution of Western Civilization and the part played in the undermining of our culture by atheism and materialism. We integrate faith by teaching students the role the Church played in the creation of our current world, Catholic social teaching and the decisions made by world leaders, and the role the Church played in ending some of the worst regimes in history. Primary sources are used to deepen students understanding of the role played by the Church in establishing moral guidelines for the physical, spiritual, and moral welfare of humanity.

Economics (7211 Fall, 7212 Spring)

**½ Credit
Required**

*Prerequisite: None
(Recommended for sophomores)*

Economics examines the principles and problems of the free enterprise system. It gives students an understanding of the American (World) economy: what it is, how it developed and how it works. Students study patterns of production, exchange, distribution and consumption in the American (World) economy. They examine the price system, principles of money and banking, and theories and practices of credit and marketing. Other topics include industry and agriculture, big business and labor, foreign trade, investments, taxation, and other economic systems. We integrate faith by teaching students the morality of our own decisions, Catholic social teaching and its relationship to economic theory, and the importance of the vocation of business in helping others out of poverty.

American History (7301 Fall, 7302 Spring)

**1 Credit
Required**

Year-long Course
*Prerequisite: None
(Recommended for juniors)*

This course surveys the history of the United States from colonial times to the present. Emphasis will be placed on the development of America, the belief in God as the foundation of our country, and the extension of democracy to all Americans. In American History, faith is integrated by including scripture as it relates to the dignity of the human person as well as the Church's teaching on morality and social justice. Examples of Catholic leaders and how Christian leadership has helped to influence the nation are integrated throughout the course.

AP American History (7351 Fall, 7352 Spring)

1 Credit

Year-long Course

Prerequisite: Permission of the department

This course is a comprehensive evaluation of American History from colonial times to the present. Topics include those covered in the American History course but with a stronger emphasis placed on chronological connections and cause/effect relationships. This course will provide students with an in-depth understanding of the individuals and events that shaped our nation both before and after its founding, as well as how the US emerged as a world leader following World War II. While the course follows the Advanced Placement curriculum of the College Board, it is also guided by the principle that faith is built by understanding and studying the world God has made. Faith is integrated through emphasis of the role that Christian, and especially Catholic, leadership has played in shaping policy and its contributions to the varied social justice movements that have an important place in our history. Students are expected to take the national AP American History exam that will be offered in May.

American Government (7401 Fall, 7402 Spring)

**½ Credit
Required**

Prerequisite: None

(Required senior year)

This course provides students an opportunity to understand the political system in the United States and their place in it. Through the use of Catholic social teachings the students will understand the major government issues that affect them as Christians and gives them the tools to defend their opinions and their faith in the public sphere as they prepare to go out into the world as Christian citizens of the United States.

Entrepreneurship (7051 Fall, 7052 Spring)

½ Credit

Prerequisite: Economics

Sophomores, juniors, and seniors

Do you want to be a successful business owner? This one semester class is for anyone interested in understanding how to start and operate a business. Students will develop a business plan for the twenty-first century and will learn the many opportunities available to them in business ownership. This class will include topics in types of business ownership, market and opportunity analysis, business planning, price and promotional strategies, and financial analysis.

Cultural Geography (7001 Fall, 7002 Spring)

½ Credit

Prerequisite: None

(Can only be elected once)

The study of Cultural Geography offers students an opportunity to discern patterns of physical and cultural characteristics in a variety of world regions. Students will learn about the spatial distribution of people, places, physical features, resources, and human activities. Students will examine the role religion plays in shaping cultures around the world and help to examine the role the Catholic Faith plays in shaping our own cultural geography. Students will consider questions asked by geographers as they study the world: What are the physical and human characteristics of places? Why are things located where they are? What is the significance of the location of things? What patterns are reflected in the groupings of things?

History Survey (7011 Fall, 7012 Spring)**½ Credit**

Prerequisite: None
(Can only be elected once)

Looking for a fun elective that will challenge you and is different and unique? If yes, then Uncle Sam wants you! Military history also known as Historical Survey runs the gambit:

- We recreate the topography and layout of competing armies in the sand!
- We analyze the strengths and weaknesses of competing generals and their armies juxtaposed to the teachings of Sun Zu.
- We divide the class up into two competing camps and simulate battles outside or in the auxiliary gym using nerf swords and rhino balls
- We practice route security and small unit tactics with an ambush team and several fire teams- weather permitting

Students will learn about military tactics and strategy from some of the greatest generals of all time.

Debate and Trial Simulation (7021 Fall, 7022 Spring)**½ Credit**

Prerequisite: None
(Can only be elected once)

This course will teach the fundamental principles associated with debating and argumentation. Students will participate in a series of debates and mock trials. In this class, students will utilize Catholic social teaching and learn the tools necessary to defend their beliefs and opinions on these issues.

Law (7031 Fall, 7032 Spring)**½ Credit**

Prerequisite: None
Juniors or seniors
(Can only be elected once)

This course will explore the purpose of law based on the fundamental principles found within the United States Constitution, United States Law, State Laws, and the United States Legal Systems. In addition, this course goes a step further and focuses on the obligations of activism that we, as Christians, are called to. Focus of the course will be on both Criminal Law and Civil Law. Students will examine past cases as well as current issues related to the law and legal systems.

Psychology (7041 Fall, 7041 Spring)**½ Credit**

Prerequisite: None
Juniors and Seniors
(Can only be elected once)

This course's core curriculum introduces the methods of inquiry and evaluation used by psychologists. The core contains information relating to issues that all individuals encounter, not only in themselves, but also in their relationships with friends and families; its study should lead to an appreciation of and tolerance for individual differences. All students will acquire insight into the complex determinants of behavior and prepare to be intelligent consumers of psychological services. While all approaches will be included in a general course survey, the course will primarily emphasize the interpersonal/social and personality/development approaches. Faith is integrated through the continued emphasis of the dignity of the human person, as well as the recognition that we, as God's creation, are continually being shaped by both Him and our environment.

AP Microeconomics (7361 Fall)**½ Credit**

*Prerequisite: Permission of the department
Juniors and seniors*

AP Microeconomics is a course that provides an introduction to the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. Topics discussed and examined in-depth will reflect the material included in the AP Microeconomics Course Description from the College Board. The course provides particular emphasis on the function of consumers and producers within the economic system. The course also offers analysis of the markets in which consumers and producers interact, as well as non-market economics.

AP Macroeconomics (7362 Spring)**½ Credit**

*Prerequisite: Permission of the department
Juniors and seniors*

AP Macroeconomics is a course that provides an introduction to the principles of economics that apply to an economic system as a whole. Topics discussed and examined in-depth will reflect the material included in the AP Macroeconomics Course Description from the College Board. These include an analysis of national income and its components, economic indicators, inflation and unemployment, money and banking, stabilization policies, and the United States and world trade. The course emphasizes the study of national income, price determination, economic performance measures, economic growth, and international economics.

AP European History (7371 Fall, 7372 Spring)**1 Credit**

*Prerequisite: None
Seniors*

The purpose of this course is to give interested students the opportunity to study in depth some of the most significant developments and ideas in European history. Emphasis is given to questions in intellectual-cultural and social-economic history as well as the traditional political-diplomatic subjects. The course focuses primarily on the period from the Renaissance to the present (approx. 1450-1990). Students who elect this course will be expected to take the College Board AP European History test in the spring.

WORLD LANGUAGES DEPARTMENT

Requirements: Two CONSECUTIVE years of study in the SAME language are required for graduation.

Language is essential to existence. All cultures use language to communicate ideas, solve problems, and develop a sense of community and world view. The ability to understand and use other languages, beyond one's native language, enables a student to experience the richness of human existence and to better function in a global society.

The World Languages Department at FGR seeks to:

- Teach communicative competency in French, German and Spanish. Since learning a language is a dynamic and interactive process, the department emphasizes oral proficiency in the vast majority of its courses, working toward the American Council on the Teaching of Foreign Languages recommendation of 90% of instruction in the target language.
- Encourage reading and writing skills, focusing on accurate grammar, syntax and structure.
- Support developing language proficiency by sponsoring travel/mission programs to countries in which one of the department's languages is spoken.
- Introduce students to the peoples, culture, artistic and literary expressions of other countries. Basic texts are supplemented by authentic audiovisual sources and printed media.

The world languages department integrates faith when learning about praying and giving intentions, saints from respective countries, cultural traditions, celebrations of holidays, and visits to religious sites abroad. World Language classes integrate Catholic Social teachings and Cardinal virtues into numerous lessons such as studying the environment or moral challenges in society.

The department reviews all student course selection and placement and may recommend or require a different class selection based on student ability and performance.

Since languages are taught as a continuous WHOLE YEAR experience, students are not permitted to drop a full-year course at the semester.

French I (4101 Fall, 4102 Spring) **1 Credit**

German I (4111 Fall, 4112 Spring) - *Workbook Purchase Required* **1 Credit**

Spanish I (4121 Fall, 4122 Spring) **1 Credit**

Year-long Courses

Prerequisite: None

This course provides an introduction to the second language and its associated cultures. Emphasis is on building the five language skills of listening, speaking, reading, writing and culture. A variety of methods and materials such as audio recordings of native speakers, videos, games and songs are used to introduce students to basic vocabulary and language structures. The second language is used as much as possible in simple conversation and in classroom directions to encourage oral proficiency.

French II (4201 Fall, 4202 Spring) **1 Credit**

German II (4211 Fall, 4212 Spring) - *Workbook Purchase Required* **1 Credit**

Spanish II (4221 Fall, 4222 Spring) **1 Credit**

Year-long Courses

Prerequisite: Successful completion of Level I

Second-level language courses continue to develop the five language skills of listening, speaking, reading, writing and culture with more emphasis on proficiency. Work will include mastering new grammatical structures and adding new vocabulary with the aim of developing greater fluency and a higher level of proficiency in all skills. Students should be able to carry on simple conversations, follow and respond to classroom directions, and produce longer written pieces. This level continues to develop the cultural understanding of the various peoples and countries that speak these languages.

French III (4301 Fall, 4302 Spring) **1 Credit**

German III (4311 Fall, 4312 Spring) - *Workbook Purchase Required* **1 Credit**

Spanish III (4321 Fall, 4322 Spring) **1 Credit**

Year-long Courses

Prerequisite: Permission of instructor and a C or better in the previous level course.

The emphasis in Level III is on oral and written proficiency at an intermediate level, while mastering more complex grammatical structures. By the end of this course the students will be familiar with the major language structures and have sufficient vocabulary to carry on an extended conversation in the second language. Students should also have developed sufficient writing skills to be able to write a personal essay, letter, simple story or narrative. Students will study and read about the culture in the second language and read longer selections of material taken from authentic sources such as newspapers and literature.

Spanish IV (4421 Fall, 4422 Spring)**1 Credit**

Year-long Course

Prerequisite: Permission of instructor and a C or better in the previous level course.

This course reviews all the previously-learned vocabulary and structures while developing new vocabulary and demanding a more sophisticated and refined use of vocabulary and structures in speaking, reading and writing. Students will continue to build and refine all four language skills of listening, speaking, reading and writing. They will continue cultural studies in the second language and read more complex literary pieces as well as narratives, newspapers, advertisements, and other media. Sufficient emphasis will be placed on vocabulary, grammar, and structure to assist students in preparing to take college-level language placement exams or the SAT II subject exams. Classes are conducted predominately in the second language.

AP French (4551 Fall, 4552 Spring) - Textbook Purchase Required**AP German (4561 Fall, 4562 Spring)****AP Spanish (4571 Fall, 4572 Spring)****1 Credit**

Year-long Courses

Prerequisite: Permission of instructor and a C or better in the previous level course.

This course is designed to prepare the student for the Advanced Placement Language Examination given each May. Students will work through selected AP materials and practice exams to familiarize themselves with the format and content. This course is conducted almost exclusively in the second language. Arrangements to take this course must be made in advance with the teacher.

Latin I (4141 Fall, 4142 Spring) - Textbook Purchase Required**1 Credit**

Year-long Course

Prerequisite: None

By daily habituation of endings and vocabulary, Latin I students become familiar with the grammatical structure of this ancient language. Gaining knowledge of the culture and history of the Romans supplements and serves the learning of forms. The primary foci of the course are to know the parts of speech, analyze the use of words in Latin and English sentences, and gain a working knowledge of all declensions and conjugations. This builds the groundwork for reading original classical texts in subsequent years. Latin is used in prayer, classroom directions and the reading of mythological stories to encourage oral proficiency.

Latin II (4241 Fall, 4242 Spring) - Textbook Purchase Required**1 Credit**

Year-long Course

Prerequisite: Latin I

After a comprehensive review of forms and constructions, Latin II students will enter the world of Imperial Rome. Translation no longer means finding equivalent words, but rather reading abridged texts and attempting to transpose the words of authentic authors into fluent and compelling English. A grasp of imperial culture, characters and events surrounding Augustan society is a necessary aspect of this course. Latin is used in prayer, classroom directions and the reading of mythological stories to encourage oral proficiency.

Latin III (4341 Fall, 4342 Spring)**1 Credit**

Year-long Courses

Pre-Requisite: Latin I & II

Latin III students shift their gazes into the world of rhetoric via the great Orations against Catiline by Marcus Tullius Cicero and his philosophical musings in *De Amicitia*. Grammatical learning progresses into difficult (and fascinating!) clauses, verbal constructions and obscure uses of the ablative and dative. While translating Cicero's masterpiece, the students will consider the power of words by understanding rhetorical devices and the historical context of the orations. To this end, students will study Latin poetry by Horace and Catullus as well, so that at the end of the year,

they are able to translate Latin odes into English verse. Although there is not an immersive aspect to this course, prayer, directions and basic composition will occur in Latin.

Latin IV (4441 Fall, 4442 Spring)

1 Credit

Year-long Courses

Pre-Requisite: Latin I-III

The poetry that students tasted in Latin III will become the main course in Latin IV. By reading the exquisite Aeneid by the epic poet Virgil, the moral and aesthetic principles of Rome will be experienced first-hand. Students are expected to come in with a mastery of endings, case-uses and constructions so that the class can focus on learning meter and untangling the verses of Virgil to experience this poem as one would in a literature class. Students will study Latin poetry by Horace and Catullus as well, so that they are able to translate Latin odes into English verse. By the end of four years, students will know many parts of the Latin Mass, prayers, basic conversational Latin, and be able to consider seriously the meaning of certain grammatical constructions in essay form.

FINE ARTS DEPARTMENT

Requirement: A minimum of one credit in Fine Arts is required for graduation.

The fine arts department offers courses that promote individual expression through visual, dramatic and instrumental arts. The arts foster creativity in the individual expanding cognitive skills that leads to improved academic performance. Students electing fine arts courses have the opportunity to develop lifelong communication skills while developing an appreciation of talent and culture. In our Catholic setting, the arts create a complete student, giving an expressive voice to the individual in the service of God. In all art classes students will learn about famous religious art throughout history.

Course Titles for the Visual Arts Division

Art I - Basic Foundation (1101 Fall, 1102 Spring)

½ Credit

Prerequisite: None

This is an introductory course open to all students. Prior art experience is not necessary. Students will explore the elements and principles of design, develop observation and technical skills, experiment with different design methods and create two-dimensional artwork.

Two-Dimensional Design (1111 Fall)

½ Credit

Prerequisite: Basic Foundation

This course is designed to encourage students to further develop their talents and abilities studied in Art I. Students will continue to build upon their skills, knowledge, and methods of drawing and painting applications to create two-dimensional artwork.

Advanced Art Two-Dimensional Design (1121 Fall, 1122 Spring)

½ Credit

Prerequisite: Basic Foundation and permission of the instructor

This course offers in-depth application and exploration of two-dimensional design. Drawing and painting techniques and applications will be further developed and refined to create advanced artwork.

Advanced Art - Three Dimensional Design (1132 Spring)

½ Credit

Prerequisite: Basic Foundation and permission of the instructor

This course offers in-depth application and exploration of three dimensional design. Various techniques and applications will be further developed and refined to create advanced artwork.

Advanced Studio Art (1141 Fall, 1142 Spring)

½ Credit

Prerequisite: Basic Foundation and permission of the instructor

This class is designed for advanced students who want to continue their study of a specific art discipline. Students will refine and master techniques and continue in-depth exploration of a chosen medium or area of interest. This course is encouraged for students who plan to take Advanced Placement Studio Art to develop their individual portfolio.

Advanced Placement Art – 2D Design (1151 Fall, 1152 Spring)

1 Credit

Year-long Course

Prerequisite: Basic Foundation and permission of the instructor

AP 2D Design is intended for the serious art student planning to continue in the field of art. Emphasis is placed on portfolio development regarding breadth, depth and concentration of talents. Students will apply mastery of technique, craftsmanship and criticism skills in preparation of the portfolio to be submitted to colleges.

Glass (1001 Fall)

½ Credit

Prerequisite: Basic Foundation

Class size is limited to 15 students. Senior and junior course requests will be honored first.

This course builds on the knowledge studied in Art I to create original glass designs. Students will learn the technical, manual, and aesthetics of glass and explore various historical and contemporary glass artists. Projects include leaded stained glass, and mosaic artworks.

Introduction to Ceramics (1162 Spring)

½ Credit

Prerequisite: Basic Foundation

Class size is limited to 15 students. Senior and junior course requests will be honored first.

This is a beginning ceramics-pottery class for individual students who are interested in acquiring knowledge and skills in clay. Students will be introduced to all basic aspects of sculptural and functional pottery. A series of projects ranges from basic pinch-pots to coil pots and slab objects.

Metalsmithing (1062 Spring)

½ Credit

Prerequisite: Basic Foundation

Class size is limited to 15 students. Senior and junior course requests will be honored first.

This course builds on knowledge studied in Art 1 to create original metal sculptures and/or jewelry. Students will learn technical, manual, and aesthetics of metalsmithing and explore various historical and contemporary metal artists.

Course Titles for the Dramatic and Instrumental Arts Divisions

Choir (1201 Fall, 1202 Spring)

½ Credit

Prerequisite: None (Can be elected more than once)

Looking for a break in your day? Like to sing? Like to listen to music? Choir is the class for you! The choir will focus on learning the basics of singing in three to four-part harmony while singing songs that rock, lift the spirit, or make you laugh. The choir will prepare and perform a variety of music for Masses and various programs.

Madrigals (1211 Fall, 1212 Spring)

1 Credit

Year-long Course

*Prerequisite: Audition and special permission only (One semester of choir suggested but not required).
Sophomores, juniors, and seniors (Can be elected more than once)*

Do you have what it takes to be a Madrigal? Auditions for this premier Honors choir are in early March for rising sophomores, juniors and seniors. Students will master a variety of music, focusing on a cappella singing, and reach an advanced level of sight singing. Students will perform at Mass and various concerts, as well as doing community outreach with a focus on ministering to the elderly. From Handel to Hamilton– we sing it all!

Concert Band (1231 Fall, 1232 Spring)

1 Credit

Year-long Course

(Can be elected more than once)

Students in concert band will rehearse and perform music of various styles and difficulty levels. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student. As a member of the concert band, each student should know that group effort and cooperation are necessary for a successful program. Each student is expected to show technical and musical growth throughout the course. This class will also provide performance opportunities for the student.

String Orchestra (1221 Fall, 1222 Spring)

½ Credit

(Can be elected more than once)

This class is a performance-based class for stringed instruments (violin, viola, cello, and double bass). Students will learn discipline, cooperation, and musicality through daily rehearsal and various performance opportunities throughout the year. Daily exercises in technique, scales, and repertoire will help foster musical growth and the enjoyment of music. As an ensemble, string orchestra will work on a varied repertoire ranging from classical and baroque to modern and pop music. No audition required, prior experience preferred.

Music Appreciation (1022 Spring)

½ Credit

Prerequisite: None

This course will explore the many facets of music in the early 20th century. It is a general introductory course designed to enhance listening enjoyment and ability with an emphasis on the elements of music, the characteristic styles, and the lives and works of key composers. Students will have various opportunities to interpret, explore and listen to assorted musical genres for vocal/instrumental solos and ensembles. These kinds of music will include, but not be limited to popular music (pop, rock, jazz, rap, country and musical theatre) and classical music (symphonies, oratorios and music for opera and ballet). In this class, faith is integrated when students learn about the edifying effects of music and the ways in which music influences their own lives.

Music Theory (1241 Fall)

½ Credit

Prerequisite: None

This introductory level course introduces the student to musicianship, theory, musical materials, and procedures. It integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and, to some extent, history and style. Musicianship skills to will be covered are note, interval, and chord identification, composition, form and analysis, dictation and other listening skills, sight singing, and keyboard harmony. Simply put, this is a crash course into understanding how to read, listen to and write music effectively.

Music in the Liturgy (9011 Fall, 9012 Spring)

½ Credit

Cross listed under Theology Department

(Can be elected more than once)

This semester-long course will introduce the student to Christian music; contemporary, traditional, and classical. Students will learn to appreciate the wealth of the Church's musical legacy. Students will participate in all of the school liturgies.

Drama I (Fall 1301, Spring 1302)

½ Credit

Prerequisite: None

Whether you want to be a star or just get more comfortable in front of people, Drama I teaches you the skills to perform confidently. You will learn to think fast, to physically commit to what you are saying, and say it like you mean it. We start with some fun games, some improvisation and finally some scene work. It's so much fun, you don't realize you are learning!

Drama II (1311 Fall, Spring 1312)

½ Credit

*Prerequisite: Drama I or permission of the instructor
(Can be elected more than once)*

Drama II takes the skills learned in Drama I and applies them to creating characters in scenes from some of the great plays in theatre history. Students work closely with the instructor to develop characters and scenes that allow the actor to really "get into character." Even if you aren't interested in studying theatre in college, this class will aid you in developing your literary analysis skills and is tons of fun, too!

Shakespeare (2052 Spring)

½ Credit

Cross listed under English Department

*Prerequisite: None
(Sophomores, juniors & seniors)*

"But I don't understand Shakespeare!" If that sounds like you, then by the end of the semester you will be saying "Shakespeare is awesome and EVERYONE can understand!" Students will read his best comedies, histories and tragedies and learn all you need to know about Shakespeare to be a Jeopardy Champion. All kidding aside, there really is no better class to prepare you for your college English classes as Shakespeare is the most referenced writer of literature.

Shakespeare A (School year 2019-2020): Twelfth Night, Merchant of Venice, Julius Caesar, Merry Wives of Windsor, Richard III

Shakespeare B (School year 2021-2022) King Lear, Henry V, A Midsummer Night's Dream, All's Well that Ends Well, Titus Andronicus

Shakespeare C (School year 2020-2021) Much Ado About Nothing, The Tempest Richard II, Henry IV- parts I and 2, Othello

PHYSICAL EDUCATION DEPARTMENT

Requirements:

- One credit of physical education is required for graduation.
- **All students are required to take Conditioning/Wellness I for ½ credit**
- Participation in a sport for a FULL season can waive ½ of the physical education requirement.
- For those who do not participate in a sport, Sports and Recreation or Conditioning/Wellness II can be elected to meet the additional ½ credit.
- Sports & Recreation can only be elected once in the fall and once in spring throughout four years at FGR.

Introduction to Conditioning (8101 Fall 8102 Spring)

**½ Credit
Required**

Prerequisite: None

(Recommended for freshmen or sophomores)

This course is required for graduation. *This is mandatory for all freshman and first year transfer students. May **NOT** be elected more than once.*

Conditioning and Strength Training is a fitness-based class designed to increase the knowledge and skills needed to meet personal fitness goals. Students will become more knowledgeable about health-related topics in order to assess and improve their own personal health and fitness. They will analyze their eating habits, behaviors and their daily physical activity. The course objective is to increase awareness of personal wellness factors so that students will obtain their fitness goals.

Sports Conditioning (8221 Fall, 8222 Spring)

½ Credit

Prerequisite: Intro to Conditioning

(May be elected more than once)

This class is intended for athletes who want to increase their conditioning levels and build strength, along with flexibility and agility. This class is built upon the knowledge and skills mastered in Introduction to Conditioning. Students will have an opportunity to build on that knowledge and personalize their workouts, while enhancing their knowledge of fitness-related topics. The goal is for students to increase their understanding of wellness factors and skills in order to maximize their personalized health and fitness program.

Advanced Conditioning (8231 Fall, 8232 Spring)

½ Credit

Prerequisite: Intro to Conditioning and/or approval from Instructor

Second Semester Seniors need approval of instructor

(May be elected more than once)

This course is designed for the advanced-level weight training student who has acquired a basic understanding of weight lifting techniques. The students will learn the advanced principles necessary to improve on overall strength, coordination, muscle endurance, speed, agility, flexibility and mobility. The main focus of this course will be to teach the students how to achieve superior lifelong fitness levels beyond their secondary education. Students will design their own individual training program based on established goals. The students will be assessed bi-monthly during the period of the course. These assessments will range from various strength movements with weights, coordination tasks, muscle endurance assessments, speed and agility testing, flexibility and mobility testing.

Sports & Recreation I (8111 Fall, 8112 Spring)

½ Credit

Prerequisite: None

Recommended for all grade levels

(Cannot be elected more than twice)

Sports & Recreation class is designed to increase knowledge and skills of various individual and team sports. It will provide students with knowledge-based information on specific sports along with skill development and enhancement activities. Students will have the opportunities to enhance team-building skills along with creativity and personal growth.

Personal Health (8211 Fall, 8202 Spring)

½ Credit

Prerequisite: Intro to Conditioning,

(Recommended for sophomores, juniors, & seniors)

(Can only be elected once)

Personal Health is a comprehensive course which begins with health assessments and understanding the Health Literacy Model, then focuses on personal decision making and lifestyle management as they relate to the following

contemporary health issues: interpersonal relationships, emotional health, stress and coping, conflict resolution, death and dying, substance use and abuse. In addition we learn about adolescent/adult growth and development: reproduction, natural family planning, abstinence and sexually transmitted diseases.

COMPUTER SCIENCE DEPARTMENT

Students learn to use the computer as a tool. Students will use word processing, spreadsheet, painting and drawing, and communications applications. The department expands the program with a practical desktop publications course. Faith is integrated by examining how to be responsible Christians in a digital world. We learn to apply virtues when creating websites, when we learn HTML coding, as well as graphic design and storytelling.

Applied Computer Technology (3311 Fall or 3312 Spring)

½ Credit

Prerequisite: None

This course focuses on the practical aspects of computer technology. Students will explore the modern computer increasing skills in communication, collaboration, problem solving, decision making, and personal productivity. These skills will be achieved through topics such as word processing, electronic spreadsheet, and presentation software, as well as ethical issues relating to technology. This is a MS windows-based course.

Marketing and Advertising (3321 Fall, 3322 Spring)

½ Credit

Prerequisite: None

This course will allow students to sharpen their communication skills and investigate careers in marketing and advertising. Students get a hands-on look into the world of digital marketing, will promote a product/business and increase publicity for their product through communicative techniques like graphic design ads, television commercials, web site coding, podcasts creation, etc.

Entertainment and Sports Marketing (3331 Fall, 3332 Spring)

½ Credit

Prerequisite: Permission of the instructor

Interested in the dynamic areas of sports, entertainment, and/or marketing? Marketing is an exciting industry and many jobs in the country deal with some aspect of marketing! In this course you will explore the intriguing world of sports and entertainment from the perspective of marketing. Topics will include, but are not limited to, college & amateur sports, professional sports, marketing entertainment, marketing plans, and promotional planning. The activities in this course will help students develop critical thinking, decision making, and communication skills. Speakers, current events, videos, individual and group projects, and simulations will be utilized. This course is recommended for any student who is considering a career in Business, Marketing, Sports & Entertainment, or Public Relations.

Publications (3011 Fall, 3012 Spring)

1 Credit

Year-long Course

Prerequisite: Computer Applications

Sophomores, junior, and seniors

Students in this year-long course are responsible for the design and publication of the high school yearbook. Students should have a background or interest in one of the following areas: photography, desktop publishing, art/design or written language. Students must produce quality work, work independently or in groups, must be able to handle deadline pressure, and should expect to spend additional time outside of the class working on the publication. Activities include sales, advertising, layout planning and design, photography, copy writing, and proofing.

GUIDANCE DEPARTMENT ELECTIVES

Learning Resource Center (LRC) (0071 Fall, 0072 Spring)

Pass/Fail

Freshman and sophomores

Students in 9th and 10th grades with a 504 Plan/IEP/ or Official Accommodation Plan are eligible to take Freshmen/Sophomore Skills (LRC I) as an elective. In order to access this course, a student MUST have a diagnosed disability that negatively impacts their learning and requires accommodations for them to be successful. Students accepted into the LRC I have had a history of formal classroom accommodations throughout their elementary and middle school years.

The course focuses on the specific needs of freshmen and sophomores and the transition to high school. During this class time, students will have the opportunity to work on organizational strategies, study skills, and class work from any academic subject. The course addresses study skills, time management, organizational techniques, work completion and test taking skills.

The class is a year-long elective credit and will count toward graduation requirements.

An over-arching goal of the freshmen/sophomore skills course (LRC I) at Father Gabriel Richard High School is to encourage our students to become optimistic learners, independent thinkers and most importantly, Disciples of Christ in the educational process.

Mastery Skills - LRC II (0005 Fall, 0010 Spring)

Pass/Fail

Prerequisite: Approval of LRC or guidance counselor

Juniors and seniors

Students in 11th and 12th grades with a 504 Plan/IEP/ or Official Accommodation Plan may be eligible to take Mastery Skills (LRC II) as an elective. In order to access this course, a student MUST have a diagnosed disability that negatively impacts their learning and requires accommodations for them to be successful. This one or two-semester class is designed to support students' academic success in core content classes. Students accepted into the Mastery Skills course have had a history of formal classroom accommodations and diagnosis for two years or more.

The course is a continuation of the freshmen/sophomore skills course and fosters independence, self-advocacy and preparation for post-high school endeavors. This course will focus on study skills, time management, organizational techniques, work completion and standardized test taking skills.

This class is an elective credit and will count toward graduation requirements. It may be taken 1 or 2 semesters.

An over-arching goal of the Mastery Skills (LRC II) at Father Gabriel Richard High School is to encourage our students to become optimistic learners, independent thinkers and most importantly, Disciples of Christ in the educational process.