

Father Gabriel Richard High School

2017 – 2018 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 study 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	

*Counselor approval only

Our guidance department will help any student with questions about the direction to 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 failed courses?**

Students should consult their counselor and subject teachers when planning a course of study and selecting courses to insure 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 ($\frac{1}{2}$) 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) *If placing out of Algebra I, students must obtain an additional credit beyond Algebra II/Trig	3 credits
<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> Two years of instruction in the same language Latin, German, French or Spanish	2 credits
<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	(3 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 Sheet

9th Grade

Credit

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 highly recommended.

10th Grade

Credit

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

Points to Consider

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

11th Grade

Credit

Theology III	1
English III	1
American History	1
Science	
Math	
Electives	

Points to Consider

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

12th Grade

Credit

Theology IV	1
English IV	1
American Government	.5
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 2017 - 2018

THEOLOGY DEPARTMENT

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

"If we do without God, if God is absent, we lack the compass ... to show us the path, the direction we must follow. God! We must bring the truth of God back into the world, make Him known, make Him present." Benedict XVI

The Catholic school exists for the spiritual formation of the students. That formation includes thorough understanding of Catholic belief. The graduate of Father Gabriel Richard High School must clearly understand what our Church teaches, but must also grasp the rational basis for faith so that he or she will be able to explain the faith to others. Together with the spiritual activities of our school, our Theology program hopes to help bring our students to a more mature relationship with Jesus Christ. Because it is central to our mission as a Catholic school, Theology as a field of study enjoys pre-eminence among the academic disciplines.

The school Bible (Revised Standard Version) is mandatory for ALL four years.

Theology Lab: All students are required to complete 12 service hours per academic year. Hours must be completed by April 30th. If service hours are not completed by the deadline, students will receive an **INCOMPLETE** for Theology. (Please see the student hand-book for more details about the service hour requirement).

Theology I (9101 Fall, 9102 Spring) (*Freshman*)

Year-long Course

1 Credit

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 Testaments; the nature of faith; challenges to faith in God; the Doctrines of the Holy Trinity, and the Incarnation.

Theology II (9201 Fall, 9202 Spring) (*Sophomore*)(*Choose for One Semester*)

One Semester

½ Credit

One semester of second year Theology will cover Moral Theology. This semester will examine the Church's teachings on morality in depth.

Sophomore Service 9211 Fall, 9212 Spring) (*Sophomore*) (*Choose for One Semester*)

One Semester

½ Credit

One semester of second year Theology will focus on Christian Service. Sophomore Service provides the opportunity for students to put charity into practice through the Corporal and Spiritual Works of Mercy at local agencies and facilitates reflection on the Christian service experience during the weekly Seminar Session.

Theology III (9301 Fall, 9302 Spring) (*Junior*)

Year-long Course

1 Credit

Third year Theology explores the Mission of Jesus Christ and the role of His Church. The first semester will include a reflection on sin, salvation history, and the person and work of Jesus Christ. In addition, the students will begin to understand the teachings of Theology of the Body by St. John Paul II. The second semester focuses on how the Church continues the presence and work of Christ in the world.

Theology IV (9401 Fall) (Senior Requirement)

½ Credit

**The Meaning of Vocation and the Theology of the Body
(One Semester)**

Fourth year 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 continue the study of Theology of the Body which began in their junior year. Through this study of Theology of the Body, students will gain an understanding of the Church's teaching on human sexuality and the Theology of marriage and celibacy.

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

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

½ Credit

This elective course will focus on the essential nature of a disciple of Christ, specifically the call of the Christian to build God's Kingdom on earth. This course stresses the importance of a personal relationship with Jesus Christ that leads to a life of prayer, discipleship, and engaging the culture with Christian values.

Prescriptions for Mission – Sacred Scripture (9422 Spring) (Elective)

½ Credit

This elective course will provide opportunities to learn how to study the Psalms from a thematic approach and how to apply this wisdom to everyday life. In this study, aimed at both head and heart, it is hoped that in mining the treasures of the Word, our students will become more zealous for the Truth, eager to witness to the Truth and more joyful disciples anchored in their Faith.

THEOLOGY ELECTIVES

Music in the Liturgy (9011 Fall, 9012 Spring)

½ Credit

Cross Listed Under Fine Arts Dept.

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 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 English department faculty at Father Gabriel Richard High School believes all students deserve an opportunity to participate in rigorous and academically challenging courses and programs. Through classic literature students will deepen their faith by making connections between themes present in both literature and Christianity. We stress the organization of ideas into coherent and logical collegiate writing, adhering to the College Board standards.

The English department reviews all student course selection requests (for placement) in order to best meet the needs of all students. Freshmen are placed according to their High School Placement Test scores. If after a semester the instructor finds a student has been misplaced – based on demonstrated ability – course adjustments may be made.

The standard sequence for grades 9 -12 is shown below. Transfer students will be placed according to previous work successfully completed at the high school level.

Recommended Course of Study

	English	Honors and AP English
Freshmen	English Foundation/ English 1	Honors English I
Sophomores	English II	Honors English II
Juniors	English III	AP Language and Composition
Seniors	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 Foundations (2111 Fall, 2112 Spring)

Year-long Course

1 Credit

English I Foundations contains the same components as all freshman English classes, yet it moves at a pace tailored to the students' needs. Students are introduced to great works of literature which lay claim to the universal, timeless elements of beauty and truth. Such works include Oedipus Rex, Beowulf, Julius Caesar and more. Throughout the study of each there is a heavy emphasis placed on reading comprehension. In writing, students are taught and will master forming complete sentences and paragraphs which contain supporting details. The basics of grammar are taught with a focus on identifying subjects and verbs in order to aid in comprehension and writing. In all areas of the class, the students will learn to recognize order, truth, and beauty, which is to say they will recognize God in the discipline of English.

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

Year-long Course

1 Credit

English I is the beginning of an introduction to the great literary works of the Western/Christian tradition. The term "great works" is generally applied to those works which are larger than historical trends; that is, those works which can lay claim to the universal, timeless elements of beauty and truth. As the student learns how to recognize these elements within the works, he will be learning, simultaneously, about himself and about God.

The course begins with a study of great fiction, through which the essential skills for reading literature will be introduced. The Oedipus works, Beowulf, Shakespeare, Milton and more will then be taught. For each of the selected works, students will study syntax, grammatical structure and literary devices, as well as develop skills of analysis and synthesis in the expression of their ideas through discussion and writing. An emphasis in writing will be placed on creating a thesis, providing adequate support, and developing paragraph structure.

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*

This class is recommended for students who have strong language skills and intend to enroll in AP English class in the junior and senior years. The course begins with a study of great fiction, through which the essential skills for reading literature will be introduced. The Oedipus works, Beowulf, Shakespeare, Milton and more will then be taught. Classic literature is utilized to teach analytical reading strategies, while also exploring themes and questions common to humanity. The writing focus is on paragraph structure, leading to essay structure and style. Formal, critical essays are required each quarter. Each essay requires students to exercise judgment, evaluate evidence, compose a thesis and construct a logical argument.

English II Foundations (2211 Fall, 2212 Spring)**1Credit**

Year-long Course

English II Foundations contains the same components as all sophomore English classes, yet it moves at a pace tailored to the students' needs. Students are introduced to great works of literature which lay claim to the universal, timeless elements of beauty and truth. Such works include the Iliad, Sir Gawain, Hamlet, and more. Throughout the study of each there is a heavy emphasis placed on reading comprehension. In writing, students are taught and will master forming complete sentences and paragraphs which contain supporting details. The basics of grammar are taught with a focus on identifying subjects and verbs in order to aid in comprehension and writing. In all areas of the class, the students will learn to recognize order, truth, and beauty, which is to say they will recognize God in the discipline of English.

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

Year-long Course

This sophomore level course 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. Students expand their understanding of literary terms and techniques and focus on how these techniques enhance the larger meaning and purpose of the text. 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

This fast-paced sophomore honors course is recommended for students who have strong language and reading skills and it is highly recommended for those who intend to enroll in AP English classes in their junior and/or senior years. Students begin to develop individual writing styles through analytical assignments, reflective journals, and creative writing prompts. Students will use a variety of texts, short stories and poetry in their literary exploration of the concept of a heroic ideal through the ages. Close readings focus on the recognition and analysis of literary terms and techniques and how these techniques enhance the larger meaning of the text. A review of grammar enhances students' writing styles; assignments are frequent and a research paper is required. Discussions often connect the themes of literature to living a healthy moral life.

English III- American Literature and Composition (2301 Fall, 2302 Spring)**1 Credit**

Year-long Course

The purpose of this course is to provide 11th grade students with experience in close reading, analyzing, and writing about visual and traditional texts. Students will become familiar with various genres of literature and will develop a purpose when dealing with language. Through research assignments, students will be critical of the world around them and will learn to evaluate and use information fairly to support original thinking. Writing instruction focuses 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 Christianity.

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

1 Credit

Year-long Course

Prerequisite: Teacher Recommendation

Students in this introductory college-level course will read and carefully analyze a broad and challenging range of nonfiction prose selections, deepening their awareness of rhetoric and how language works. Through close reading and frequent writing, students will develop their ability to work with language and text with a greater awareness of purpose and strategy, while strengthening their own composing abilities. Course readings feature expository, analytical, personal, and argumentative texts across the centuries that can challenge students to consider everyday situations from 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 consist of grammar reviews to improve fluency and style, lessons in developing voice as a writer, vocabulary exercises, annotation of texts, research, and the art of consistent editing, revision and review.

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

English IV - British Literature & Exploratory Reading and Writing

1 Credit

Year-long Course **(2401 Fall, 2402 Spring)**

English IV is an intensive study of variety of elements of literature in different literary periods, including 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. Through extensive writing, they will continue to perfect their research and communication skills.

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

1 Credit

Year-long Course

Prerequisite: Placement Test and Teacher Recommendation

This college level course challenges able, well-prepared and self-motivated seniors who enjoy reading classic poetry and novels. Students develop critical reading and composition skills at the college level based on norms established by the College Board. Students are expected to read challenging literature both at home as well as in the classroom. Student discussions demonstrate and emphasize a sophisticated facility for language. A Thesis Research Paper is assigned and students learn the conventions of scholarly writing, requiring students to exercise judgment, evaluate evidence and construct a logical argument.

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 they are taking the class.

Film I (2001 Fall, 2002 Spring)**½ Credit****Cross Listed Under Fine Arts Dept***Prerequisite: None (Sophomores, Juniors & Seniors)**(Can only be elected once)*

This class will study film from its early beginnings through the early 1960's. The purpose and goal for the course is to learn to recognize and be able to describe key film terms, film techniques, and important people and engage in discussion about what makes some films superior to others. Film I integrates faith when learning the cultural norms of each decade and the role of the Catholic church, as well when learning the themes of the films and how they reflect or challenge our Catholic faith.

Film II (2011 Fall, 2012 Spring)**½ Credit****Cross Listed Under Fine Arts Dept***Prerequisite: Film I (Sophomores, Juniors & Seniors)**(Can only be elected once)*

This class will continue to study film from the 1960's to the 2000's. The purpose and goal for the course is to continue to recognize and be able to describe in writing, key film terms, film techniques in more depth, and important people through discussion and writing about what makes some films superior to others. Film II integrates faith when learning the cultural norms of each decade and the role of the Catholic Church, as well when learning the themes of the films and how they reflect or challenge our Catholic faith.

Shakespeare (2052 Spring)**½ Credit****Cross Listed Under English Dept.***Prerequisite: None**(Sophomores, Juniors & Seniors)*

This course is also offered through the English Department – students must choose the credit from only ONE department.

In this one-semester Shakespeare class, students will read six of the Bard's plays working with his comedic, tragic and historical styles. Students will critically analyze the works through discussion, writing, and performance project. The Shakespeare Class integrates faith when learning the themes of the plays and how they reflect or challenge our Catholic faith.

2017-2018: King Lear, Henry V, A Midsummer Night's Dream, All's Well that Ends Well, Titus Andronicus, and the Tempest.

2018-2019: Much Ado About Nothing, As You Like It, Richard III, Henry IV (parts I and 2) and Troilus and Cressida.

2019-2020: Julius Caesar, Othello, 12th Night, Richard III, Merchant of Venice, and Merry Wives of Windsor

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.

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 1A	Algebra 1B/Geometry	Algebra II	College Math Prep
Algebra I	Geometry	Algebra II	College Math Prep or Pre-Calculus or Statistics
Honors Geometry	Honors Algebra II/Trigonometry	Honors Analysis or Statistics	AP Calculus AB or Statistics
Honors Algebra II/Trigonometry	Honors Analysis or Statistics	AP Calculus AB or Statistics	AP Calc BC or Statistics or External Math Options

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 1A (5071 Fall, 5072 Spring)

Year-long Course

Textbook Purchase Required

1 Credit

Algebra 1A is designed to take one year to cover what is normally covered in the first semester of the Algebra 1 course. Topics will include some basic math review and introduction to algebra concepts.

Algebra 1B/Geometry (5081 Fall, 5082 Spring)

Year-long course

Textbook Purchase Required

1 Credit

Algebra/Geometry 1B is designed to take one year to cover the remaining Algebra I concepts not covered in the previous year. In addition, Geometry topics will include Concepts of Euclidean geometry, problem solving techniques, fundamentals of right triangles, and a study of solid geometry.

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 proofs, 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 (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.

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. FGRHS Math Department recommends a TI-83 Plus or TI-84 Plus.

Algebra II (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. Graphing calculator required. FGRHS Math Department recommends TI-83 Plus or TI-84 Plus.

Honors Analysis (5341 Fall, 5342 Spring)**1 Credit**

Year-long Course

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. Graphing calculator required. FGRHS Math Department recommends TI-83 Plus or TI-84 Plus.

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

Year-long Course

Textbook Purchase Required*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. Graphing calculator required. 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 an 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. Graphing calculator required. FGRHS Math Department recommends TI-83 Plus or TI-84 Plus.

College Math Prep Class (5421 Fall, 5422 Spring)**1 Credit**

Year-long Course

Textbook Purchase Required*Prerequisite: Algebra II or Honors Algebra II/Trigonometry*

This course is designed as a senior level math class to teach college readiness math skills. Units will include Functions, ACT prep, Statistics, Trigonometry, and Quantitative Problem Solving.

Advanced Placement Calculus AB (5451 Fall, 5452 Spring)**1 Credit**

Year-long Course

Textbook Purchase Required*Prerequisite: Honors Analysis 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. Graphing calculator required. 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: AP Calculus AB or approval of the Department*

The course presumes mastery of the Calculus AB curriculum. 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. Graphing calculator required. FGRHS Math Department recommends TI-83 Plus or TI-84 Plus.

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:

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
Biology	Chemistry Physics	Chemistry Physics Environmental Science Anatomy/Physiology Forensic Science	Chemistry Physics Environmental Science Anatomy/Physiology Forensic Science
Honors Biology	Honors Chemistry	AP Biology w/ Lab AP Chemistry w/ Lab AP Physics 1 AP Physics 2 AP Environmental Science	AP Biology w/ Lab AP Chemistry w/ Lab AP Physics 1 AP Physics 2 AP Environmental Science

Biology (6101 Fall, 6102 Spring)

Year-long Course

Prerequisite: None

Grade: Freshman, Sophomores, (transfer students)

1 Credit

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

Prerequisite: Placement Scores and approval of the Department

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/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.

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

Year-long Course

Prerequisite: Algebra I

With an increased emphasis on science education for all students, 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

Prerequisite: Honors Geometry 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 they live in. 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. By focusing on concepts and how they relate to each other and to the everyday world, the students will come to appreciate the simplicity and power of the modern description in the physical world.

AP Physics 1 (6441 Fall, 6442 Spring)**1 Credit**

Year-long Course

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

AP Physics 1, also called Honors Physics, is an algebra based, introductory college level physics course that explores topics such as Newtonian mechanics (including rotational motion); 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. Students who elect this course will be expected to take the College Board AP Physics 1 test in the spring.

AP Physics 2 (6461 Fall, 6462 Spring)

Year-long Course

Textbook Purchase required

Prerequisites: AP Physics 1 or approval of the Department.

AP Physics 2, also called Honors Physics, is an algebra based, introductory college level physics course that explores topics such as principles of fluids, thermodynamics, electricity, magnetism, optics, and topics in modern physics. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students who elect this course will be expected to take the College Board AP Physics 2 test in the spring.

AP Physics C (6451 Fall, 6452 Spring)

Year-long Course

Textbook Purchase required

Recommended: AP Calculus taken concurrently

1 Credit

The Physics C course is equivalent to a one semester, 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)

Year-long Course

Textbook Purchase required

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

1 Credit

This course is a yearlong 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)

Year-long Course

Textbook Purchase required

Prerequisite: Biology and Chemistry

Concurrent enrollment in AP Biology Laboratory required

1 Credit

The Advanced Placement Biology 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.*

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*

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. A college textbook will be used. Homework for this course is conducted over the Internet; home access to the Internet is required. Students taking this course will be expected to take the AP Chemistry Test during the fourth quarter. Concurrent enrollment in AP Chemistry Laboratory (6561) is required to satisfy the syllabus requirements imposed by the College Board. It is also recommended that AP Chemistry students have completed a course in Physics. Students who elect this course will be expected to take the College Board AP Chemistry test in the spring.

AP Chemistry Laboratory (6561 Fall)**½ Credit***Prerequisite: Enrolled in AP Chemistry required*

This one semester course is a required course for those students taking AP Chemistry. It is taken concurrently in the first semester. 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. There will be an additional fee, payable in class, for the purchase of a laboratory manual and notebook.

AP Environmental Science (6651 Fall, 6652 Spring)**1 Credit**

Year-long Course

Prerequisite: Biology and Chemistry

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.

SCIENCE ELECTIVE

Forensic Science (6021 Fall, 6022 Spring)

½ Credit

Textbook Provided

Prerequisite: Biology

(Juniors/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, and 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 subjects offered not only provide students with strong content-based knowledge, but also helps 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:

<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>
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)

Prerequisite: None

(Recommended for Sophomores)

**½ Credit
Required**

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 of 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)

Prerequisite: None

(Recommended for Sophomores)

**½ Credit
Required**

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)

Year-long Course

Prerequisite: None

(Recommended for Juniors)

**1 Credit
Required**

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)

Year-long Course

Prerequisite: Permission of the Department

1 Credit

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 their 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.

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 of Cultural Geography 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 ask 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)*

This course focuses on the great generals of human history and the decisive battles they fought. We study military tactics and strategy against the backdrop of Sun Zu's treatise, *The Art of War*. This important treatise has been used for millennium by generals and is at the core of the curriculum of many war colleges the world over. One of the five constants of battle according to Sun Zu is the Moral Law. The Catholic Church also teaches about conditions which if present can justify war as a means of upholding the natural rights of man.

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
(Sophomores, 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)*

The 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.

WORLD LANGUAGES DEPARTMENT

Requirements: Two CONSECUTIVE years of study in the SAME language is 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 of European origin, cultural traditions, celebrations of holidays, and visits to religious sites abroad.

The World Language 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)

German I (4111 Fall, 4112 Spring) – *Textbook Purchase Required*

Spanish I (4121 Fall, 4122 Spring)

Latin I (4141 Fall, 4142 Spring) – *Textbook Purchase Required*

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)

German II (4211 Fall, 4212 Spring) – *Textbook Purchase Required*

Spanish II (4221 Fall, 4222 Spring)

Latin II (4241 Fall, 4242 Spring) – *Textbook Purchase Required*

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)

German III (4311 Fall, 4312 Spring) – *Textbook Purchase Required*

Spanish III (4321 Fall, 4322 Spring)

1 Credit

Year-long Courses

Prerequisite: Permission of the Instructor

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 the Instructor

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)

Year-long Courses

Prerequisite: Permission of the Instructor

1 Credit

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.

FINE ARTS DEPARTMENT

Requirements: 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- and three-dimensional artwork.

Two-Dimensional Design (1111 Fall, 1112 Spring)

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 Two-Dimensional Design

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 Three Dimensional Design

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: 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: 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 20 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, mosaics, and fused glass artworks.

Three-Dimensional Design (1012 Spring)**½ Credit***Prerequisite: Basic Foundation*

In this course, students will demonstrate their ability to use form and shape and apply design principles to create three dimensional artwork. Projects include sculpting plaster, hand building and carving clay, and casting figures and forms. Students will learn techniques and methods used in three-dimensional design along with the technical use and applications of appropriate tools.

Metalsmithing (1062 Spring)**½ Credit***Prerequisite: Basic Foundation***Class size is limited to 20 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)*

The choir will focus on learning the basics of singing in three to four-part harmony. The choir will prepare and perform a variety of music for Masses and various programs. The Choir integrates faith when learning sacred texts and how the music enhances the texts.

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)*

The Madrigals is an honors choir class. 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. The Madrigals Class integrates faith when choosing liturgically appropriate songs for mass, learning sacred texts and how the music enhances the texts.

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, group effort and cooperation are necessary to 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.

Music Appreciation I (1021 Fall)**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 Appreciation II (1052 Spring)**½ Credit**

Prerequisite: Music Appreciation I

This course will explore the many facets of music in the late 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 ways in which music influences their own lives.

Music in the Liturgy (9011 Fall, 9012 Spring)**½ or 1 Credit**

Cross Listed Under Theology Dept.

(Can be elected more than once)

This year-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*

Students will learn the basics of acting beginning with movement, then doing character work through improvisation and culminating in performances of scenes from plays. The Drama Classes integrate faith in the discussions of themes present in the various performances, discussions of the characters motivations, and in learning to give and accept critique in a Christian manner.

Drama II (1311 Fall, Spring 1312)**½ Credit***Prerequisite: Drama I or permission of the instructor
(Can be elected more than once)*

This class is for students who already have mastered the basics of acting. Students will engage in scene studies and performances from plays from modern times to Shakespeare. The Drama Classes integrate faith in the discussions of themes present in the various performances, discussions of the characters motivations, and in learning to give and accept critique in a Christian manner.

Drama III (Fall 1331, 1332 Spring)**½ Credit***Prerequisite: Drama 1 and II or permission of the instructor
(Can be elected more than once)*

This class is for the accomplished performer. Based on class size and abilities, students will study a play in depth, design a simple set and costumes for the play, direct each other in scenes, and then perform the play as the final project. The Drama Classes integrate faith in the discussions of themes present in the various performances, discussions of the characters motivations, and in learning to give and accept critique in a Christian manner.

Shakespeare (2052 Spring)**½ Credit****Cross Listed Under English Dept.***Prerequisite: None**(Sophomores, Juniors & Seniors)*

This course is also offered through the English Department – students must choose the credit from only ONE department.

In this one-semester Shakespeare class, students will read six of the Bard's plays working with his comedic, tragic and historical styles. Students will critically analyze the works through discussion, writing, and performance project. The Shakespeare Class integrates faith when learning the themes of the plays and how they reflect or challenge our Catholic faith.

2017-2018: King Lear, Henry V, A Midsummer Night's Dream, All's Well that Ends Well, Titus Andronicus, and the Tempest.

2018-2019: Much Ado About Nothing, As You Like It, Richard III, Henry IV (parts I and 2) and Troilus and Cressida.

2019-2020: Julius Caesar, Othello, 12th Night, Richard III, Merchant of Venice, and Merry Wives of Windsor

Film I (2001 Fall, 2002 Spring)**½ Credit****Cross Listed Under English Dept***Prerequisite: None (Sophomores, Juniors & Seniors)**(Can only be elected once)*

This class will study film from its early beginnings through the early 1960's. The purpose and goal for the course is to learn to recognize and be able to describe key film terms, film techniques, and important people and engage in discussion about what makes some films superior to others. Film I integrates faith when

learning the cultural norms of each decade and the role of the Catholic church, as well when learning the themes of the films and how they reflect or challenge our Catholic faith.

Film II (2011 Fall, 2012 Spring)
Cross Listed Under English Dept
(Sophomores, Juniors & Seniors)
(Can only be elected once)

½ Credit

This class will continue to study film from the 1960's to the 2000's. The purpose and goal for the course is to continue to recognize and be able to describe in writing, key film terms, film techniques in more depth, and important people through discussion and writing about what makes some films superior to others. Film II integrates faith when learning the cultural norms of each decade and the role of the Catholic Church, as well when learning the themes of the films and how they reflect or challenge our Catholic faith.

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.

Conditioning, Strength Training, and Wellness I (8101 Fall 8102 Spring)

½ Credit

Prerequisite: None

(Recommended for Freshmen or Sophomores)

This course is required for graduation. 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.

Conditioning, Strength Training and Wellness II (8201 Fall, 8212 Spring)

½ Credit

Prerequisite: Conditioning, Strength Training and Wellness I.

(Recommended for Juniors or Seniors)

(Can only be elected once)

Elective/Requirement for those who do not participate in a sport at FGR.

This class is built upon the knowledge and skills mastered in Conditioning I. 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.

Sports & Recreation I (8111 Fall) and Sports and Recreation II (8122 Spring)

Prerequisite: None

Recommended for all grade levels

One **FULL** season of an interscholastic sport may count as credit in place of this class. These classes may **NOT** be elected more than twice. (Sports & Rec I once in the Fall and Sports & Rec II once in the Spring).

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: Conditioning, Strength Training and Wellness I.
(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.

Advanced Conditioning (8231 Fall, 8232 Spring)

½ Credit

*(Recommended for Sophomore, Junior, and Senior Athletes)
Prerequisite: Conditioning, Strength Training and Wellness I and/or approval from 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.

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.

Computer Applications I (3101 Fall or 3102 Spring)

½ Credit

Prerequisite: None

This one-semester course is taught using Windows-based computers. Computer literacy and terminology will be incorporated into all lessons. Students will complete introductory units on computer hardware, Windows, Microsoft Office programs for word processing, spreadsheet, database, and presentation software, plus use of the Internet, and digital imaging. Discussions on current technology events will include telecommunications, computer ethics, and software developments.

Computer Applications II (3201 Fall, 3202 Spring)

½ Credit

Prerequisite: None

Computer Applications II is a continuation of Computer Applications I. This course will endeavor to advance the computer knowledge and skills that the students will need for success in an ever-growing technologically dependent society. In this advanced course students will go above and beyond basic instructions and applications and learn advanced programs and features. This course will focus on graphic and web design.

Computer Applications III (3301 Fall, 3302 Spring)

½ Credit

Prerequisite: Permission of the instructor

This course will allow students to develop an independent study in Computer Science. Students can pursue several online courses through Michigan Virtual High School including AP Computer Science. Additionally, courses such as 3D architectural design & drafting, video editing, web design, etc. can be taken independently.

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 (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

Juniors and Seniors

Students in 11th and 12th grades with a 504 Plan/IEP/ or Official Accommodation Plan are 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.