

*Roncalli High School*



**Educational  
Guide**

**2010 - 2011**

**2000 Mirro Drive  
Manitowoc, WI 54220  
920-682-8801**

## ***Roncalli High School Mission Statement***

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Roncalli High School is a Christian learning  
community educating the whole person  
in the Catholic tradition,  
emphasizing academic and  
spiritual growth.

## RONCALLI HIGH SCHOOL

### GRADUATION REQUIREMENTS

Department	Required for Graduation	UW System Minimum Entrance Requirements
English	4	4
Religion	4	-
Mathematics	3	3 (4 recommended)
Science	3	3 (Chemistry recommended)
Social Studies	3	3
Physical Education	1.5	-
Health	.5 (if not taken in 7 <sup>th</sup> or 8 <sup>th</sup> grade)	-
Technology	.5	-
Fine Arts	.5	-
Modern Language	(highly recommended)	Highly recommended (2 required at Eau Claire and Madison)
Electives	8	4
<b>Total Credits</b>	<b>28</b>	<b>17</b>

#### Required Classes:

- **English** – English 9, English 10, English 11, English 12 or AP English
- **Religion** – Introduction to the Old Testament Scriptures, The New Testament Scriptures, Discovering God's Plan, a Theology of the Body, Christian Worship and the Life in Christ
- **Math**
- **Science** – Foundations of Science, Biology
- **Social Studies** – World Cultures, American History, Government, Economics
- **Technology** – Technology Survey
- **Physical Education** – Physical Education 9, Physical Education 10



**RONCALLI HIGH SCHOOL**  
**ALTERNATIVE COURSE CREDIT OPTIONS**  
**SENIORS**

Roncalli High School requires four full years and 28 credits for graduation. Listed below are options for accumulating credits, which includes courses on and off of campus. Roncalli will accept credits earned from public and private high schools, credits from a college including on-line.. The off campus course options must have the prior approval of the Roncalli Principal. The Roncalli budget is based on every student being a full time student on campus and therefore, four years of tuition and fees is the norm. Course fees and tuition at other institutions are the responsibility of the individual student or family.

1. Courses at Roncalli High School

Roncalli has a comprehensive program of studies, which includes 80.5 credits offered on campus. The Roncalli tuition and fees cover all courses excluding the AP Tests and college credits.

2. Roncalli Advanced Courses

Roncalli currently offers the following:

AP Courses – AP English

\$85.00 AP Calculus

per test AP Chemistry

AP Biology

AP U.S. History

College Credit Course

Human Biology –

St. Mary's University

Winona, MN

\$180.00=3 credits

3. Public Schools

Roncalli will accept credits from the Public Schools towards graduation. Generally, courses accepted would include courses not taught at Roncalli.

4. College Campus Courses

A student may choose to take course work at any college or university including but not limited to U.W. Manitowoc, Silver Lake College, or Lakeshore Technical College. This would include on-line courses. These courses should be beyond the scope of the Roncalli curriculum. All of the fees and tuition for these courses are the responsibility of the student and/or family. Because dual credit is granted, the full Roncalli tuition and fees are still required. Check the college timetable if the course is offered in the evening, one block may be used for study time.

5. Other options

Senior students are allowed one block during each semester for other educational opportunities. These options would include:

- a) Career Internship – Student will experience a specific career at a business, agency, school, etc. by observing and working during a block to time. This “hands-on learning” will give students a better sense of a career by working with a mentor.
- b) Youth Apprenticeship – Student will spend part of the school day at a work based site in addition to taking classes in that particular field. Students must apply for this county wide program. This is also open to juniors.
- c) Senior Project – See page 34 for description

## Art

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### Fundamentals of 2-D Art

Elective

Length: One semester

Prerequisites: None

Grade: 9, 10, 11, 12

Fulfills Fine Arts requirement

Credit: .5

This is a general course introducing the fundamentals of creative expression. Emphasis will be on the understanding and application of basic design elements and principles, composition, techniques, and media in a two dimensional format. This will include work in drawing, painting, design, graphic design, and printmaking. A weekly sketchbook assignment reinforces in-class areas of student as well as encouraging student creativity.

### Fundamentals of 3-D Art

Elective

Length: One semester

Prerequisites: None

Grade: 9, 10, 11, 12

Fulfills Fine Arts requirement

Credit: .5

This is a general course introducing the fundamentals of creative expression. Emphasis will be on the understanding of basic design elements and principles, composition, techniques, and media in a three dimensional format. This will include work in relief, ceramics, assemblage, and subtractive sculpture. In each area, problem solving activities and use of basic tools and materials give students growth in life skills.

### Architectural Drawing

Elective

Length: Two semesters

Prerequisites: None

Grade: 10, 11, 12

Fulfills Fine Arts requirement

Credit: .5 per semester

In this two semester course, students will discover what it is like to be an architect by studying the story of architecture, including history, architectural studies, the forms of architecture, and the occupations of architects and builders. Emphasis will be placed on drawing and studying blueprints.

### Ceramics and Sculpture

Elective

Length: One semester

Prerequisites: A or B in Fundamentals of 3-D Art

Grade: 10, 11, 12

Fulfills Fine Arts requirement

Credit: .5

This course further explores the art of sculpture and three-dimensional design, as introduced in Fundamentals of 3-D Art. Areas to be studied include advanced units in ceramics and glazes, the use of a potter's wheel, soft sculpture, enameling, and an introduction to the jewelry making process.

## Drawing

Elective

Length: One semester

Prerequisites: Fundamentals of 2-D Art

Grade: 10, 11, 12

Fulfills Fine Arts requirement

Credit: .5

This course will further explore the variety of drawing techniques as introduced in Fundamentals of 2-D Art. An experimental approach to drawing media and methods will be taken as well as study of contemporary artists and designers. Creative drawing and visual thinking will be emphasized.

## Painting

Elective

Length: One semester

Prerequisites: Fundamentals of 2-D Art

Grade: 10, 11, 12

Fulfills Fine Arts requirement

Credit: .5

This course will explore the variety of painting techniques as introduced in Fundamentals of 2-D Art. Media explored includes watercolor, acrylic, and oil on a variety of grounds. Emphasis will be on creativity and experimentation. The works of contemporary painters will also be studied as well as matting and framing techniques.

## Graphic Design and Publication

Elective

Length: One semester

Grade: 11, 12

Fulfills Fine Arts requirement

Credit: .5

Graphic Design and Publication will prepare the student to enter the job market with minimal skills in advertising design, cartooning, contemporary hand lettering techniques, media arts, illustration, graphic design, web design, photography, layout, and window and bulletin board design. Through work on the school's yearbook, the student will learn writing and interviewing, advertising, sales and marketing, finance and budgeting, publishing, proofreading and time management. Field trips and community resource people will be utilized to make the experience relevant and meaningful.

## Printmaking

Elective

Length: One semester

Prerequisites: Fundamentals of 2-D Art

Grade: 11, 12

Fulfills Fine Arts requirement

Credit: .5

Printmaking will explore the four basic methods of making original prints. This will include work in planographic (lithography), relief (wood engraving, lino cut), intaglio (etching), stencil (screen printing), and the monoprint. Each method will stress design elements and principles to create motifs that express personal interests and strong compositions.

## Honors Art

Elective

Length: One semester

Prerequisites: Fundamentals of 2-D Art/Instructor permission  
or Fundamentals of 3-D Art

Grade: 12

Fulfills Fine Arts requirement

Credit: .5 per semester

Honors Art provides an opportunity for the student planning to pursue an art career to study in depth the following areas: design; drawing; painting; graphic art; architecture; ceramics; and visual communication. The course is designed to direct the student to initiate self-planned programs complete with goals and objectives. A balance between formal instruction and independent study will be maintained.

## Multicultural Art

Elective

Length: One semester

Prerequisites: Fundamentals of 2-D and/or 3-D Art

Grade: 12

Fulfills Fine Arts requirement

Credit: .5

Multicultural art provides the senior student an introduction into the rich history of the arts and crafts of a wide variety of world cultures not usually studied in traditional art courses. Emphasis will be on cultural discovery including the historical, geographical, and religious expressions that are manifested in non-western art forms. Art production by the student will reflect cross-cultural awareness, creative expression, and problem solving skills in a variety of mediums.

## Art Outreach

Elective

Length: One semester

Prerequisites: Fundamentals of 2-D and 3-D Art

Grade: 12

Fulfills Fine Arts requirements

Credit: .5

This course provides senior art students an opportunity to share their talents with others by not only creating a body of work suitable for the Senior Art Exhibit, but also by and designing exciting art lessons for the elementary aged students of Roncalli's feeder schools. This course is designed to direct the student to work independently and as members of a group. Emphasis will be on sharing one love of art with others. The students will also be responsible for the planning and execution of an Elementary Art Exhibit to be held at Roncalli during March in cooperation with the national youth art month celebration

## *Business / Technology*

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### **Technology Survey**

Freshmen Requirement

Grade: 9

Length: One semester

Prerequisites: None

Credit: .5

In this introductory course, students will become familiar with computer vocabulary, polish keyboarding skills, and learn to work with basic computer applications such as a word processor, spreadsheet, and presentation software.

### **Software Applications**

Elective

Grade: 9, 10, 11, 12

Length: One semester

Prerequisites: Technology Survey

Credit: .5

This course expands on the general concepts studied in Technology Survey. Students will compare/contrast features of major software suites such as Microsoft Office and Corel WordPerfect. Students will work more intensely with word processing, spreadsheet and database applications.

### **Computer Architecture**

Elective

Grade: 10, 11, 12

Length: One semester

Prerequisites: Technology Survey

Credit: .5

Students will learn how to diagnose simple computer problems, install hardware, upgrade memory, and gain an understanding of the hardware components as they work in harmony within the system.

### **Multimedia Techniques**

Elective

Grade: 10, 11, 12

Length: One semester

Prerequisites: Technology Survey, Software Applications

Credit: .5

Students learn the basics of multimedia software and hardware. Topics that will be included are creating multimedia presentations, scanning/editing photographs, video editing and working with digital images.

### **Computer Languages**

Elective

Grade: 10, 11, 12

Length: One semester

Prerequisites: Technology Survey, Software Applications

Credit: .5

Students will explore computer languages such as HTML, Java, Java Script, and C that are used in the production of web pages, computer programs, and graphic animation/creation.

## **Introduction to Business**

Elective

Length: Two Semesters

Prerequisites: None

Grade 11, 12

Credit: .5 per semester

Students will use “Big Ideas” for a course that will cover several business-related topics for students in the 11<sup>th</sup> and 12<sup>th</sup> grades. These ideas follow Wisconsin’s Model Academic Standards for Business. This course will provide a solid foundation of knowledge in a variety of business-related topics. These include the basic principles of accounting, personal finance, business procedures, marketing in a global economy, entrepreneurship, business ethics and law, proprietorships, partnerships and corporations.

## **Structure Study\***

Elective

Length: One or Two Semesters

Grade 9. 10. 11. 12

Credit: .5 per semester

This course is designed for students who have a diagnosed learning need or an Individual Education Plan. These students sometime require accommodations such as longer testing time, oral testing, or testing in a smaller environment. In this class, students are taught various aspects of study skills along with some study time. Students are carefully selected for this class following a review of their file as well as a meeting with parent/guardian, the Learning Needs Coordinator, and the Guidance Counselor.

## **Study Skills\***

Elective

Length: One or Two Semesters

Grade 9. 10. 11. 12

Credit: .5 per semester

This course is designed for those students who struggle academically and need some extra help in keeping up with their classes. A teacher will work with student on various subjects according to need. This class is usually limited to 6 students. Students are carefully selected for this class following a review of their file as well as a meeting with parent/guardian, the Learning Needs Coordinator and the Guidance Counselor.

## English

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### English 9

Freshmen requirement  
Length: Two semesters  
Prerequisites: None

Grade: 9  
Fulfills English graduation requirement  
Credit: .5 per semester

The reading of nonfiction, short stories, novels, drama and poetry will highlight literary study. This course concentrates on grammar, vocabulary development, writing, and speaking skills. These skills are applied and integrated in the reading of literary selections. Writing expectations are journaling, structuring varied and effective sentences, creating coherent paragraphs, and developing logical formal essays which include the descriptive and the personal essay. Speaking includes an overview of the process of communication, interviewing, and informative speeches.

### English 10

Sophomore requirement  
Length: Two semesters  
Prerequisites: None

Grade: 10  
Fulfills English graduation requirement  
Credit: .5 per semester

American Literature and Composition is a required writing-intensive course which introduces students to early American literature from the pre-colonial era to the twentieth century. This integrated reading, writing, and speaking course focuses on American literature as the context for developing literary skills and appreciations which are then expressed in quality writing and speaking. Writing expectations include the autobiography, persuasive essay, comparative essay, and informative essays. Both informative and persuasive speeches are part of the course work.

### English 11

Junior requirement  
Length: Two semesters  
Prerequisites: None

Grade: 11  
Fulfills English graduation requirement  
Credit: .5 per semester

British/World Literature Survey is full year course designed for student to read selection from British and European literature. Emphasis is on viewing literature in its social, political, and historical perspective and analyzing, interpreting, and responding to literature. Active participation in class discussion, literary analysis essays, and research report will be required.

### English 12

Senior requirement  
Length: Two semesters  
Prerequisites: none

Grade 12  
Fulfills English Graduation requirement  
Credit: .5 per semester

This full-year integrated senior English course is designed to help students become skilled readers and writers. Reading materials will be selected from both classic and contemporary plays, poetry, essayists, short stories, and novels. This course will include the writing of a variety of academic essays including a critical analysis, critical review, an investigative report, and creative writing.

## Advanced Placement English

Elective

Length: Two semesters

Prerequisites: Teacher Signature

Grade: 12

Fulfills English graduation requirement

Credit: .5 per semester

In place of Senior English, seniors may take Advance Placement English. This two semester advanced placement course engages college-bound seniors in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Expository, analytical, and argumentative writing are required. The course is very demanding and has the same writing and reading expectations as a university. Students are strongly encouraged to take the AP exam when offered in May

## Readings and Applied Writing

Elective

Length: Two semesters

Prerequisites: Approval of English Department Chair

Grade: 11

Fulfills English graduation requirement

Credit: .5 per semester

This integrated course in reading, writing, and speaking extends student competence in the language arts along with practical application to the world of work.

## Public Speaking

Elective

Length: One semester

Prerequisites:

Grade: 11, 12

Credit: .5

Principles of effective public speaking, with emphasis on preparing and delivering well-organized, logical, and persuasive arguments. This is a laboratory type student participation course with emphasis on learning-by-doing. Includes informative and persuasive speeches, panel discussion, and impromptu speeches.

## Senior Composition/Literature

Elective

Length: Two Semesters

Prerequisites: Approval of English Department Chair

Grade: 12

Fulfills English graduation requirement

Credit: .5 per semester

This course is designed to develop the human relation skills of oral, written, and non-verbal communication. Emphasis will be placed on the review of basic grammar, punctuation, and word usage as needed by the student. Essays will include personal statements; resumes and letters; as well as other types of writing that will be individually based, depending on each student's future goals. This course will also include selected readings from British Literature.

## University Reading Seminar

Elective

Length: One or Two semesters

Grade: 12

Credit: .5 semester

University Reading Seminar is a guided reading course designed to expose college-bound seniors to classic and award winning literature as well as current and classic nonfiction of the type that they will be required to read in college. Students will read approximately one book per month and be prepared to discuss the book, in depth, with both the instructor and peers. In addition, students will be required to complete a writing assignment for each book read, the purpose of which is to give them experience in the kind of writing that will be required of them in college.

## *Family/Consumer Education*

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### **Family & Consumer Education CSI (Consumer Sciences Investigation)**

Elective	Grade: 9
Length: One semester	First or Second semester course
Prerequisites: None	Credit: .5

This course is designed to introduce students to the realm of Family and Consumer Education (FACE). The course provides students the opportunity to learn essential life skills by allowing them to develop skills in food and nutrition, basic sewing, consumerism, family relationships and personal responsibility.

### **Foods 1**

Elective	Grade: 10, 11, 12
Length: One semester	First or Second semester course
Prerequisites: None	Credit: .5

Make eating an adventure! Travel around the world and through the United States with food as your guide. Explore the psychology of food and why you eat the way you do. By focusing on basic kitchen skills, you will gain an understanding about the science of food. Proper preparation knowledge will be developed through labs that cover global and regional dishes, with an emphasis on basic kitchen skills. Creativity is encouraged through units covering cake decorating and a Chili cook-off.

### **Foods 2**

Elective	Grade: 10, 11, 12
Length: One semester	Second semester course
Prerequisites: Foods 1	Credit: .5

Be an artist in the kitchen! Express your creativity with food preparation and service. Entertain with style. Study meal planning for different occasions, learn proper food service techniques, discover gourmet and microwave cooking. Make elegant desserts, bake yeast bread, and prepare complete meals. Show off your skills in a pie baking contest. This course will prepare you for cooking as a relaxing hobby or for employment in a food related job.

### **Child Development and Parenting**

Elective	Grade: 10, 11, 12
Length: One semester	
Prerequisites: None	Credit: .5

The objectives of this course is to help students acquire an understanding of human growth and development, understand child psychology, develop skills in positive discipline, evaluate various parenting methods, and follow the physical, intellectual, and social development of children from conception to school age. Learning the history and theories of experts in the development area helps a student to work with and nurture children in both their personal lives and in their careers. The student will experience caring for an infant by caring for the Real Care baby. Toddlers and pre-school-age will be observed and guided during a nursery school experience planned by the students. Anyone considering scare which involves children, who baby-sits, or who wants to someday be a parent should consider this course.

## **Nutrition and Fitness**

Elective  
Length: One semester  
Prerequisites: None

Grade: 11, 12  
Fulfills Phy Ed requirement  
Credit: .5

Mix nutrition with physical fitness as you study the significance of lifestyle on your health, athletic performance, and weight maintenance. The class will help students attain practical fitness and nutrition goals and apply healthy food choices to a busy lifestyle. The student will assume control and responsibility for living a long and healthy life, along with experiencing a variety of fitness and food experiences. Develop your optimum level of physical fitness as we explore fitness concepts and prepare food to maintain a healthy lifestyle. Classes will alternate between studies and experiences with nutrition topics and participation in fitness workouts.

## **Family and Consumer Education Survey**

Elective  
Length: One semester  
Prerequisites: None

Grade: 12  
Credit: .5

This course allows students interested in specific areas of Family and Consumer Sciences to design units that meet their individual needs and talents. It allows the student with little or no experience to study a variety of subject areas in one semester, yet it provides the student having experience with in-depth, advanced study opportunity. The student will choose from an extensive list of study areas. Coursework includes a service project, to be determined by the instructor.

## **Sewing 101, Sewing 102**

Elective  
Length: One semester  
Prerequisites: None (Freshmen successfully completing CSI will be eligible for this course.)  
Offered in the 2010--2011 school year

Grade: 9, 10, 11, 12  
Credit: .5

Learn to sew! This course is designed for any sewing ability, with the student planning the units he/she will complete from patterns, kits or original designs. Any project using thread, fabric or stitching may be constructed. Sewing can be a hobby, a way to save money, a part-time business or a creative career. Learning how to operate a variety of sewing machines, including a serger is an advantage of this course. The student will create projects ranging from basic construction to advanced quilting. Students that have successfully completed Sewing 101 may continue with Sewing 102

## **Interior Design**

Elective  
Length: One semester  
Prerequisites: None  
Offered in the 2011-2012 school year

Grade: 10, 11, 12  
Credit: .5

After studying the elements of basic design--color, line, balance, rhythm, proportion, and harmony—the student will learn how to apply the elements of design to personal space, homes and beyond. The student will create a portfolio of projects encompassing the content covered in class, illustrating a variety of knowledge and design applications.

**Career and Life**

Grade: 10, 11, 12

Length: One semester

Prerequisites: None

Credit: .5

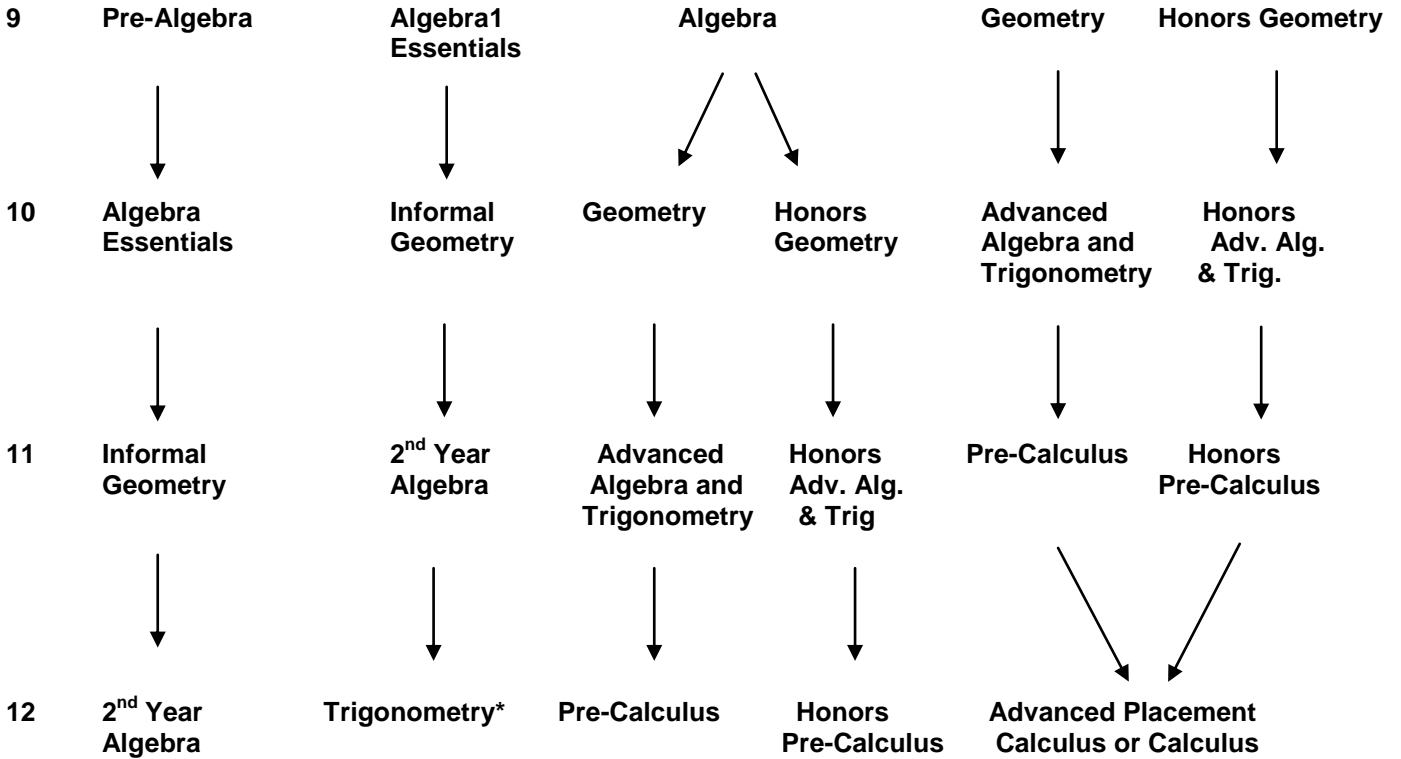
This course covers all aspects of personal finance and prepares the student for independent living after high school. In the semester course, students prepare for being on their own by exploring and practicing skills necessary to live independently. Setting goals, discovering career choices, examining how to choose, find and keep a job; including skills in writing a resume and interviewing for a job are a part of the course. Students will also learn how to choose checking account, make sensible choices concerning insurance and loans, find an apartment, shop for a car and develop workable financial skills for living successfully on their own.

# Mathematics

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## Mathematics Sequence of Study:

**Grade Courses**



- Available at the Junior and Senior level is a one semester course in **Probability and Statistics** for ½ credit
- Trigonometry is a ½ credit course
- **Senior Topics** is a ½ credit course only available during the first semester of the senior year
- All mathematics courses need teacher approval

All mathematics students will learn to communicate mathematically through the use of journals and written assignments. Graphing calculators and computers are technological tools that will be used to help students gain a deeper understanding of the concepts being taught in each mathematics course.

An Honors Mathematics Program is available to qualifying students. To continue in the program, a minimum of a “B” average must be maintained each year. Student eligibility will be evaluated at the completion of each semester. All courses in the Honors sequence require teacher approval. Students in the Honors Mathematics Program are required to attend math meets.

## Pre-Algebra

Elective

Length: Two semesters

Prerequisites: Placement by Mathematics Department

Grade: 9

Fulfills Math graduation requirement

Credit: .5 per semester

Pre-Algebra is a course designed to help students make the transition from Arithmetic to Algebra. Students will explore algebraic concepts in an informal way to build a foundation for a subsequent formal study of Algebra. Topics included in the course are integers, solving basic equations and inequalities, fraction and decimal operations, percent, probability and statistics, and area and volume. A number of problem solving strategies will be discussed and applied to real life problems. Students will be introduced to the appropriate use of technology.

## Algebra Essentials

Elective

Length: Two semesters

Prerequisites: Placement by Mathematics Department

Grade: 9, 10

Fulfills Math graduation requirement

Credit: .5 per semester

Algebra Essentials is an extension of arithmetic in which the fundamental operations are applied to positive and negative numbers and algebraic expressions. The student learns to factor, apply arithmetic operations to polynomials, graph, and solve equations and inequalities and will be introduced to the appropriate use of technology. These topics are further examined through real world applications.

## Algebra 1

Elective

Length: Two semesters

Prerequisites: Placement by Mathematics Department

Grade: 9, 10

Fulfills Math graduation requirement

Credit: .5 per semester

In Algebra 1, real numbers and their properties are studied as they apply to such topics as solving linear equations and inequalities and systems of equations in two variables. Arithmetic operations are applied to polynomials and rational expressions. Factoring of polynomials, functions and their graphs, and radicals are also studied. Emphasis is placed on real world applications and the appropriate use of technology throughout the course.

## Informal Geometry

Elective

Length: Two semesters

Prerequisites: Algebra Essentials

Grade: 10, 11

Fulfills Math graduation requirement

Credit: .5 per semester

Informal geometry introduces a student to a practical understanding of geometry and how it relates to real life. The course emphasizes intuitive development rather than formal two-column proofs, however some proofs are written. Students explore, experiment, and discover geometric concepts through a variety of construction and measurement activities and other practical exercises. Algebraic principles are applied to geometric concepts throughout the course.

## Geometry

Elective

Length: Two semesters

Prerequisites: Algebra Essentials or Algebra I  
and recommendation of mathematics teacher

Grade: 9, 10

Fulfills Math graduation requirement

Credit: .5 per semester

This course is devoted to plane geometry with short introductions to solid geometry and coordinate plane geometry. Logical thinking is used to help students understand proofs and the writing of proofs. Students are encouraged to make generalizations based on observations. Algebra is integrated throughout the course. Students learn relationships between geometric figures and how to solve problems concerning them. Emphasis is placed on real world applications throughout the course.

## Honors Geometry

Elective

Length: Two semesters

Prerequisites: "A" average in Algebra 1 and recommendation  
of mathematics teacher

Grade: 9, 10

Fulfills Math graduation requirement

Credit: .5 per semester

This is the first course in the Honors Mathematics program. The course covers the same material as taught in Geometry, but in greater depth. Supplemental topics such as symmetry and vectors, solids and their volumes, and transformations may be taught.

## 2nd Year Algebra

Elective

Length: Two semesters

Prerequisites: Successful completion of an Algebra  
and Geometry course and recommendation of  
mathematics teacher

Grade: 11, 12

Fulfills Math graduation requirement

Credit: .5 per semester

The material covered is similar to the algebraic portion of Advanced Algebra and Trigonometry. Application problems are used to connect topics to the real world. It is intended for students who have taken Algebra Essentials or those who need the Algebra 1 concepts strengthened and expanded.

## Advanced Algebra and Trigonometry

Elective

Length: Two semesters

Prerequisites: Successful completion of an Algebra and  
Geometry course and recommendation of  
mathematics teacher

Grade: 10, 11

Fulfills Math graduation requirement

Credit: .5 per semester

This course continues the development and understanding of concepts taught in Algebra 1 with special emphasis on polynomial functions and relations; rational and irrational expressions; systems of equations; the conic sections; exponents and logarithms. Throughout the course emphasis is placed on technology as a means to solving problems. Approximately three quarters are spent on the above topics and the remaining quarter on trigonometric and circular functions and relations.

## Honors Advanced Algebra and Trigonometry

Elective

Length: Two semesters

Prerequisites: "B" average or better in Honors Geometry or "A" average in Geometry with teacher's recommendation

Grade: 10, 11

Fulfills Math graduation requirement

Credit: .5 per semester

This is the second course in the Honors Mathematics Program. The course covers the same material as is taught in Advanced Algebra and Trigonometry, but in greater depth. Supplemental topics may include matrix applications, applications in science and technology, as well as advanced topics in trigonometry.

## Pre-Calculus

Elective

Length: Two semesters

Prerequisites: Successful completion of Algebra, Geometry, and Advanced Algebra and Trigonometry with teacher's recommendation

Grade: 11, 12

Fulfills Math graduation requirement

Credit: .5 per semester

This course is a preparation for calculus on the college level. The main topics include relations and functions; linear programming and matrices; the theory of equations and graphs; circular and trigonometric functions and relations; their graphs and inverses; vector analysis; sequences and series; exponential and logarithmic functions; probability and simple statistics; limits; and elementary differential and integral calculus. Emphasis is placed upon real world applications throughout the course. Appropriate use of technology is integrated in many lessons throughout the course.

## Honors Pre-Calculus

Elective

Length: Two semesters

Prerequisites: "B" average or better in Honors Advanced Algebra and Trigonometry with teacher's recommendation

Grade: 11, 12

Fulfills Math graduation requirement

Credit: .5 per semester

This is the third course in the Honors Mathematics Program. The course covers the same material as is taught in Pre-Calculus, but in greater depth. Supplemental topics may include graph theory and its applications, matrices with real-life applications as well as several other discrete mathematics topics. The use of technology is integrated throughout the course.

## Advanced Placement Calculus

Elective

Length: Two semesters

Prerequisites: Placement by Mathematics Department

Grade: 12

Fulfills Math graduation requirement

Credit: .5 per semester

This course is divided into three major sections: elementary functions including the properties and limits of algebraic, trigonometric, exponential and logarithmic functions; differential calculus including the derivative and its applications; and integral calculus including antiderivatives, applications of antiderivatives and techniques of integration, and the definite integral and its applications. Students are strongly encouraged to take the Advanced Placement examination for college credit.

## Calculus

Elective  
 Length: Two semesters  
 Prerequisites: Placement by Mathematics Department

Grade: 12  
 Fulfills Math graduation requirement  
 Credit: .5 per semester

This course is similar to Advanced Placement Calculus. The topics covered will be the same however, the depth of the topics will differ and students will not be expected to take the Advanced Placement examination for college credit.

## Probability and Statistics

Elective  
 Length: One semester  
 Prerequisites: Successful completion of Algebra and Geometry

Grade: 11, 12  
 Fulfills Math graduation requirement  
 Credit: .5 per semester

Statistics are used in almost all fields of everyday life. It is the purpose of this one semester course to educate the student to be knowledgeable about the vocabulary, concepts and procedures of statistics. Topics covered will include frequency distributions and graphs, data description (measures of central tendency), and counting techniques (permutations and combinations). In addition to being used in games of chance, probability theory is used in the fields of insurance, investments and weather forecasting as well as in other areas. The basic concepts of probability will be explained. These concepts include probability experiments, samples spaces, the addition and multiplication rules for probability and the probabilities of complementary events. Student will use appropriate technology throughout the course.

## Senior Topics

Elective  
 Length: One semester  
 Prerequisites: Placement by Mathematics Department

Grade: 12  
 Fulfills Math graduation requirement  
 Credit: .5

This one semester course is available to selected students based on the recommendation of their Advanced Algebra and Trigonometry or Pre-Calculus teacher. Some of the topics included are trigonometric relations, functions, inverses and graphs, exponential and logarithmic functions, and possibly topics from discrete mathematics. Throughout the course, emphasis is placed on technology as a means of solving problems. Students taking this course are expected to also take Probability and Statistics.

## Trigonometry

Elective  
 Length: One semester  
 Prerequisites: Completion of 2<sup>nd</sup> Year Algebra  
 and teacher recommendation

Grade: 12  
 Fulfills Math graduation requirement  
 Credit: .5

Trigonometry is a one semester course. Students will learn trigonometric skills and concepts. This course is the study of measures associated with right and non-right triangles. Trigonometric functions relating to real world applications are studied. Topics included are trigonometric functions, their graphs and inverses, solving right and non-right triangles, circular functions and trigonometric identities.

## *Modern Language*

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<b>German 1</b>	<b>Spanish 1</b>
<b>German 2</b>	<b>Spanish 2</b>
<b>German 3</b>	<b>Spanish 3</b>
<b>German 4</b>	<b>Spanish 4</b>
	<b>Spanish 5</b>

Elective Grade: 9, 10, 11, 12  
 Length: Two semesters  
 Prerequisites: All courses are sequential/teacher signature required Credit: .5 per semester

The overall objective of the Modern Language Department is to provide the college-bound student, the future traveler, the foreign exchange students, the potential business traveler or diplomat, or any student of language, with a firm foundation in the listening, speaking, writing, and reading skills upon which further language study can take place.

- Year 1: A basic course which offers an introduction to the language being studied including sentence patterns, everyday vocabulary, functional grammar, and appropriate pronunciation.
- Year 2: A follow-up of first year language study with a wider range of situations and experiences in speaking and listening as well as additional vocabulary. Grammar receives greater stress.
- Year 3: An extension of skills and information previously acquired with greater emphasis on fluency and grammatical correctness.
- Year 4: Further development of all four language skills with emphasis on increasing vocabulary and reading skills. Study of basic grammatical concepts completed.
- Year 5: Emphasis on communication skills; oral reports and introduction to important characters and themes of the literature; a review of more difficult grammatical usage and its extension to other structures as a preparation for further language study.

Language is clearly tied to the way people think and act. Therefore, much emphasis is placed on culture through:

- Viewing of films, slides and videos
- Working with recordings of native speakers at authentic speed
- Opportunities for travel to target countries
- Foreign pen pals and email contacts
- Preparation of foreign meals or visits to restaurants
- Guest lecturers and work with exchange students
- Reading and listening to literary selections
- Projects on customs, dress, and places of interest where the language is spoken

Any student having studied a modern language during seventh and eighth grade with a cumulative grade of "A" or "B" will ordinarily be placed in the second year of language study at Roncalli High School.

## *Music/Fine Arts*

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### **Mixed Choir**

Elective

Length: Two semesters

Prerequisites: None

Grade: 9,

Fulfills Fine Arts graduation requirement

Credit: .5 per semester

Mixed Choir is the entry level choir – open to freshman students. Its ultimate purpose is to perform a variety of excellent music and to develop the skills necessary to become a good musician. These skills include breath support and vocal production, sight singing, intonation, diction, and comprehension of musical terms and notation. The Mixed Choir participates in the Fall, Christmas, and Spring Concerts, as well as the Solo and Ensemble Contest and the District Choral Festival. Attendance at all concerts and the Choral Festival is required.

### **Concert Choir**

Elective

Length: Two semesters

Prerequisites: Teacher signature required

Grade: 10, 11, 12

Fulfills Fine Arts graduation requirement

Credit: .5 per semester

Concert Choir is an advanced performing organization for sophomores, juniors, and seniors. It exposes students to the best of choral literature while continuing to develop the basic skills of musicianship. The individual's musical growth is the primary purpose of this course. Concert Choir members participate in the Fall, Christmas, and Spring Concerts, as well as the District Solo and Ensemble Contest and District Choral Festival. Attendance at all concerts and the Choral Festival is required.

### **Oratorio Choir**

Elective

Length: Two semesters

Prerequisites: Audition

Grade: 11, 12

Fulfills Fine Arts graduation requirement

Credit: .5 semester

Oratorio choir is an audition only choir open primarily to juniors and seniors with rare exception for a maximum of 40 members. The music for this group is of an advanced nature including some of the major works from the 17<sup>th</sup> Century thru present day. Singers will be expected to be proficient at sight reading, notation, and interpretation of a musical score. Oratorio Choir members participate in the Fall, Christmas, and Spring Concerts, the Madrigal Dinner, as well as the Solo and Ensemble Contest and District Choral Festival. Attendance at all Concerts and the Choral Festival is required.

### **Beginning Band**

Elective

Length: One or Two semesters

Prerequisites: None

Grade: 9, 10

Fulfills Fine Arts graduation requirement

Credit: .5 per semester

Beginning Band is open to students interested in instrumental music but have no prior band experience. Students will learn how to play a band instrument, and they will also learn the basics of music theory through classroom activities and available technology. Students will be required to practice outside of the classroom, and they will need to become proficient at playing their instrument in order to join Concert Band.

## Music Theory and Composition

Elective

Length: One or Two semesters

Prerequisites: Consent of a music instructor

Grade: 11, 12

Fulfills Fine Arts graduation requirement

Credit: .5 per semester

Music Theory and Composition is a course designed to help the individual student develop their creativity through a greater understanding of music theory. Students will be guided as individuals, based on their individual ability, through the process by using a computer to learn theory and compose music. This course may be taken multiple times with the student applying prior knowledge gained from previous experience. This course is project based. It is recommended that students participate in a school music ensemble while enrolled in this course.

## Concert Band

Elective

Length: Two semesters

Prerequisites: Prior band experience  
or Beginning Band/Teacher  
signature required

Grade: 9, 10, 11, 12

Fulfills Fine Arts graduation requirement

Credit: .5 per semester

Concert Band is the instrumental performing organization on campus whose purpose is to provide the instrumentalist the opportunity to develop as a musician. Concert Band achieves this goal through performing activities including Marching Band, Pep Band, Solo and Ensemble activities, District Band Festival, and Concert Band. In all of these ensembles, students are exposed to music and composers of the highest caliber. Music history and theory are integrated into classroom instruction. Attendance at marching performances, Graduation, District Concert Festival, and all concerts is required. Students are expected to attend a weekly lesson with the instructor.

## Survey of Film and Theater Arts

Elective

Length: One or two semesters

Prerequisites: None

Grade: 11, 12

Fulfills Fine Arts graduation requirement

Credit: .5

This course will enable students to become critical viewers of film and theater by familiarizing the students with the technical and literary elements of both media. Students will also read several major works. Literary analysis, technical aspects of theater, film discussion, history, and analysis will also be studied. Written essays, critical reviews, and oral interpretation are stressed. This course does not fulfill English graduation requirements.

## Colorguard

Elective

Length: One semester (Fall)

Prerequisites: None

Grade: 9, 10, 11, 12

Fulfills Fine Arts graduation requirement

Credit: .5

Colorguard is the flag-corps of the marching band and is open to students who are not enrolled in Concert Band. The purpose of this course is to provide for students the experience of marching band who do not play an instrument. Colorguard contains elements of dance, drama, marching, and artistic freedom. Students will work with a choreographer and rehearse with the marching band. Students will have the opportunity to participate in the summer band program and any summer field trips. Attendance at all home football games, marching band concert, holiday parade, and one pep band performance is required.

## *Physical Education and Health*

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### **Physical Education 9**

Freshmen Requirement  
 Length: One semester  
 Prerequisites: None

Grade: 9  
 Fulfills Phy. Ed. requirement  
 Credit: .5

This course introduces the student to a variety of team and individual sports, with emphasis on fundamental skills, fitness and conditioning, simple game strategy and sports knowledge. Units include soccer, flag football, basketball, softball, volleyball, weight training, wellness, badminton, pickleball, and fitness testing.

### **Physical Education 10**

Sophomore Requirement  
 Length: One semester  
 Prerequisites: None

Grade: 10  
 Fulfills Phy. Ed. requirement  
 Credit: .5

This intermediate course emphasizes skills and techniques in the following units: basketball, volleyball, speedball, badminton, cross country skiing, floor hockey, pickleball, table tennis, weight training, wellness, and fitness testing.

### **Health**

Graduation Requirement  
 Length: One semester  
 Prerequisites: None

Grade: 9, 10, 11, 12  
 Fulfills Health requirement  
 Credit: .5

The importance of health education has never been greater. Knowledge gained in health education affects attitudes and consequently behavior. The course focuses on the relationship that exists among physical, mental and social health. Our decisions affect all areas of health. Healthy decisions help students feel good about themselves, feel comfortable with others, and cope with the challenges of life. This course will cover such topics as disease, mental health, alcohol and drug abuse, nutrition, exercise, and stress. NOTE: If you have taken health in middle school (7<sup>th</sup> or 8<sup>th</sup> grade) you are not required to take health in high school. However you can take health as an elective

### **Nutrition and Fitness**

Elective  
 Length: One semester  
 Prerequisites: None

Grade: 11, 12  
 Fulfills Phy. Ed. requirement  
 Credit: .5

Mix nutrition with physical fitness as you study the significance of lifestyle on your health, athletic performance, and weight maintenance. The class will help students attain practical fitness and nutrition goals and apply healthy food choices to a busy lifestyle. The student will assume control and responsibility for living a long and healthy life, along with experiencing a variety of fitness and food experiences. Develop your optimum level of physical fitness as we explore fitness concepts and prepare food to maintain a healthy lifestyle. Classes will alternate between studies and experiences with nutrition topics and participation in fitness workouts.

## Individual and Team Sports

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Fulfills Phy. Ed. requirement

Credit: .5

An emphasis on “Lifetime Sports”, sportsmanship, team play and fitness. A variety of sports. Bowling, golf, ice skating will require an additional fee.

## Student Athletic Trainer

Elective

Length: One semester

Prerequisites: Consent of Mr. Mueller

Grade: 11, 12

Fulfills Phy. Ed. Requirement

Credit: .5

This course provides students with knowledge, skills, and understanding for the prevention, treatment, and rehabilitation of injuries typically seen by Athletic Trainers. It will provide a foundation of basic human anatomy and physiology and provide the students with 1<sup>st</sup> Aid, CPR, and AED certification through the American Heart Association. It will also touch upon other disciplines such as nutrition, conditioning, and administration, while developing important organizational and leadership qualities.

### Note:

Student athletes, having successfully completed Physical Education 9 and 10, and who participate in two WIAA sanctioned sports in each of two academic years, may earn a ½ credit of Physical Education to complete the graduation requirement. The student must be a full participant and finish the season in each sport and submit a form signed by the Athletic Director, verifying this information upon completion of each season. The form must then be submitted to the guidance office to be included on the student’s transcript. This option will be graded as pass/fail. Full participation and submission of the proper, signed forms, on time will insure a grade of “passing”.

## *Religious Studies*

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### **Introduction to the Old Testament Scriptures**

Freshmen requirement  
Length: First semester  
Prerequisites: None

Grade: 9  
Fulfills Religious Studies requirement  
Credit: .5

Focus: The Books of the Pentateuch – Biblical Foundations – Understanding Scripture as Divine Revelations: God Speaks to us. Divine Inspiration – Apostolic Tradition, the relationship between Tradition and Sacred Scripture. How do we know about God? Divine Revelation: Abraham, Isaac, Jacob, Moses – The Prophets: Isaiah, Jeremiah, Ezekiel, and St. John the Baptist.

### **The New Testament Scriptures**

Freshmen Requirement  
Length: Second semester  
Prerequisites: None

Grade: 9  
Fulfills Religious Studies requirement  
Credit: .5

Focus: God and Revelation – Natural Revelation attested to in Sacred Scripture – Paul to the Romans. Jesus Christ's Revelation about God – The Book of Revelation. Who is Jesus Christ? – The Promise of the Messiah. The Mission of Jesus Christ – The Paschal Mystery. The Mystery of the Incarnation. The Gospels – Jesus teaches us about God. The Acts of the Apostles. The Patristic Testimony – St. Paul.

### **Discovering God's Plan, a Theology of the Body**

Sophomore requirement  
Length: First semester  
Prerequisites: None

Grade: 10  
Fulfills Religious Studies requirement  
Credit: .5

Focus: Christian Love of Giving versus Using – The effects of Original Sin. Hope and Redemption in Jesus Christ, created in God's Image. The Language of the Body. Marriage, Celibacy and the consecrated Religious Life. Dating with Purpose and Purity – Living the Good and Free Life of God. The benefits of Chastity – Formation in the Virtue of Chastity.

### **Christian Worship and the Life in Christ**

Sophomore requirement  
Length: Second semester  
Prerequisites: None

Grade: 10  
Fulfills Religious Studies requirement  
Credit: .5

Focus: Jesus Christ's Mission Continues in the Church. The Sacramental Nature of the Church – Challenges to Worship and Sacraments – The Liturgical Year. Sacraments as Privileged Encounters with Jesus Christ. Sacraments of Initiation, - Sacraments of Healing, - Sacraments of the Service of Communion. Life in Jesus Christ – God has taught us how to live a new life in Christ. The New Life in Christ Jesus and the Gospel Message are the basis for Catholics. The Prayer Life of the Believer.

## **Christian Morality**

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Fulfills Religious Studies requirement

Credit: .5

Students have the opportunity to form a base of Christian and specifically Catholic based morality from which to make right decisions for the present and future. Students will be able to discern morality derived from the Catholic value system and to compare it with humanistic morality. Students will process the material through various films, tests, quizzes, projects, class discussions, case studies, and reflection papers.

## **Justice**

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Fulfills Religious Studies requirement

Credit: .5

This course concentrates on what makes a just world and the Christian call to create that just world. Students will consider social issues that are personal and communal, local and global. Issues of prejudice, racism, poverty, hunger, persons on the margin of society and peacemaking are some that will be explored. Catholic Social Teaching will provide the underlying principles for this course.

## **Senior Theology**

Elective

Length: One or two semesters

Prerequisites: None

Grade: 12

Fulfills Religious Studies requirement

Credit: .5 per semester

Senior Theology explores the origins of faith. The class examines the difference between theology, faith and religion to expose the true nature of God's plan for us. The primary text is "Meet the Living God." Other readings are also required.

## **Our Church**

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Fulfills Religious Studies requirement

Credit: .5

This course looks at the significant events and important persons that have shaped the history and experience of the Roman Catholic Church. Students will study both historical and current issues as well as teachings of the Church as it has passed through the centuries. Students will be expected to discuss, process, and integrate the significant issues of past and present and to look at their own commitment and participation in the Catholic Christian community. Projects, papers, tests, quizzes, and class discussion are a part of the expected class participation for this course of study. The history of the Catholic Church is varied and uniquely tied into World History and events. This course blends together events in World History and the effects this has on the Catholic Church.

## Service and Spirituality

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Fulfills Religious Studies requirement

Credit: .5

In Service and Spirituality, students will learn the true definition of "the common good" as well as the history of civic responsibility and the obligations of being a "participatory citizen." Studying documents of our Faith Fathers, our Nation's Founding Fathers and religious texts from other world religions, students will address the fundamental values and ideas shared by all in regard to service and civic responsibility. Students will gain a cursory understanding of the purpose, funding and operations of governmental and non-profit "Third Sector" groups who work in service of mankind. They will gain an appreciation for the impact that service groups make on our communities and will learn how to "jump-in" for themselves.

## World Religions

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Fulfills Religious Studies requirement

Credit: .5

This course is a survey course that invites the students to broaden their religious horizons by investigating the religious beliefs and practices of Judaism, Christianity, Islam, Hinduism, Buddhism, and the varied faiths of China and Japan. In an ever-changing world there is no better way to more fully understand our fellow human beings than by examining their religious values. Enrolling in this course will also enable the students to reflect on their own beliefs thereby giving deeper insight to a lifelong process. Projects, films, research projects, presentations, tests and quizzes are a part of class expectations. Active student participation is an important expectation of this class.

## Advanced Scripture

Elective

Length: One Semester

Prerequisites: Old Testament Scripture  
Challenge of Jesus

Grade: 11, 12

Fulfills Religious Studies requirement

Credit .5

This course is designed for the student who wants to take a more in-depth look at various sections of both the Old and the New Testaments. The course begins with a review of general biblical review that is most common to Christians. The course in particular will study the Old Testament prophets, Wisdom literature and the books of the Second Canon. In the New Testament students will look at the various Epistles and the Book of Revelation. Course expectations may include reports, presentations, some research, and various means of assessment, including art, projects and the like. **Note:** This is a course for **the more serious student** who enjoys scripture study.

## Science

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### Foundations of Science

Required: Freshmen  
 Length: Four Quarters  
 Prerequisites: None

Grade: 9  
 Fulfills Science graduation requirement  
 Credit: .25 per quarter

This course integrates the basic principles of physics, chemistry, biology and earth science. It is designed to acquaint the student with the major topics in each of these fields while emphasizing the supporting laboratory techniques used to study these topics. Students will apply the principles and skills they have mastered to attain a proficiency at processing science. This is essential to the success of further studies in the science.

### Biology

Elective  
 Length: Two semesters  
 Prerequisite: Foundations of Science or equivalent

Grade: 10, 11, 12  
 Fulfills Science graduation requirement  
 Credit: .5 per semester

This course is designed to be the introductory life science course in the high school science curriculum. Students will engage in discussions, laboratory activities, and various classroom activities to gain an understanding of the process of life science. Major topics and themes to be explored include: the molecular basis of heredity; the cellular basis of life; biological evolution; botany; zoology; human biology; and ecology. Technology will be integrated into all aspects of the curriculum.

### Chemistry

Elective  
 Length: Two semesters  
 Prerequisites: Foundations of Science or equivalent

Grade: 10, 11, 12  
 Fulfills Science graduation requirement  
 Credit: .5 per semester

Chemistry is a laboratory based science course dealing with the structure of matter and the changes matter undergoes. This course stresses atomic theory, the periodic table, stoichiometry, chemical formulas and chemical reactions. Lab safety is a key component of this course.

### Environmental Science

Elective  
 Length: Two semesters  
 Prerequisites: Biology

Grade: 11, 12  
 Fulfills Science graduation requirement  
 Credit: .5 per semester

Students will be introduced to the major ecological concepts and environmental issues that affect the world in which they live. They will learn about technological developments that have created environmental problems as well as technologies that are helping to solve them. Students will develop a personal environmental ethic that reflects an understanding of stewardship for the earth.

## Human Biology

Elective

Length: Two semesters

Prerequisites: Biology

Chemistry recommended or at least concurrent

Grade: 11, 12

Fulfills Science graduation requirement

Credit: .5 per semester

Human Biology includes a detailed study of the structure and function of each of the systems of the human organism. The study of each of these systems is accompanied by extensive laboratory work including a very detailed anatomical study and physiological testing. Students will be using the latest technologies in data collection and analysis. This course is recommended for anyone wishing to pursue a career in a health related field. College credit is available through St. Mary's University of Minnesota.

## Physics

Elective

Length: Two semesters

Prerequisites: Foundations of Science or equivalent and  
Geometry

Grade: 10, 11, 12

Fulfills Science graduation requirement

Credit: .5 per semester

Physics is a fundamental natural science course designed to create a greater understanding of the concepts and physical laws associated with matter and energy and the interaction of the two. As such, physics is fundamental to all sciences. The course is presented in the traditional physics field of mechanics, thermal physics, electricity and magnetism, wave physics/optics, and modern physics. Topic overviews, laboratory investigations and numerous quantitative problems are used to help the student understand, analyze and apply the concepts of physics.

## **Advanced Placement Biology (10-11)**

Elective

Length: Two semesters

Prerequisites: Biology

Grade: 11, 12

Fulfills Science graduation requirement

Credit: 1.0 per semester

This course is designed for the motivated student who wants to pursue biological topics in greater depth. The A.P. Biology course is designed to be the equivalent of a college introductory biology course. The following topics will be explored in depth with corresponding laboratory study: molecules and cells; heredity and evolution; and organisms and populations. The A.P. course will help students to develop a conceptual framework for modern biology and to gain an appreciation for science as a process. The twelve recommended A.P. labs along with additional laboratory work will be included in the course. Advanced Placement testing is strongly recommended upon completion of this course. A student must take the A.P. test in order to receive college credit.

## **Advanced Placement Chemistry (11-12)**

Elective

Length: Two semesters

Prerequisites: Chemistry

Grade: 11, 12

Fulfills Science graduation requirement

Credit: 1.0 per semester

This course is designed to provide upper ability science students an opportunity to pursue an introductory college chemistry course. Problem solving and inductive laboratory investigations of inorganic chemistry are emphasized. A unit on organic chemistry is also introduced. This class is fast paced and structured as a college level chemistry course. Advanced Placement testing is strongly advised.

## *Social Studies*

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### **World Cultures**

Freshmen requirement  
Length: Two semesters  
Prerequisites: None

Grade: 9  
Fulfills Social Studies requirement  
Credit: .5 per semester

This course provides the freshmen student the opportunity to explore Latin America, Asia, Africa, the Middle East, and Europe. A variety of hand-on activities will allow students to develop understandings of political, economic, social and cultural frameworks with implications for the future.

### **American History**

Sophomore requirement  
Length: Two semesters  
Prerequisites: None

Grade: 10  
Fulfills Social Studies requirement  
Credit: .5 per semester

This is a survey course of American History from discovery and exploration of North America through the 20<sup>th</sup> Century. The first semester includes Colonial America, the American Revolution, the Civil War and Reconstruction. The second semester includes 20th Century wars, the Great Depression and the development of American institutions as we know them.

### **Economics**

Graduation requirement  
Length: One semester  
Prerequisites: None

Grade: 11, 12  
Fulfills Social Studies requirement  
Credit: .5

This course will include basic macro and micro-economic principles and the role of individuals in economic systems. Some attention will be given to global economic systems and the role of the U.S. and U.S. consumers in the global economy. The roles and influence of the U.S. government and Federal Reserve, and how these effect banking and consumers will be explored. Students will become skilled at evaluating investments.

### **Government**

Graduation requirement  
Length: One semester  
Prerequisites: None

Grade: 11, 12  
Fulfills Social Studies requirement  
Credit: .5

This course will introduce the student to the principles of government and democracy, the provisions of the Constitution, the Bill of Rights, and the composition and functions of the three branches of government. The course is designed to equip the student to live as an informed and active citizen.

### **Introduction to Sociology**

Elective  
Length: One semester  
Prerequisites: None

Grade: 11, 12  
Fulfills Social Studies requirement  
Credit: .5

This is a survey course designed to introduce the student of the 21<sup>st</sup> century to the fundamental concepts, description, and analysis of societies, cultures, the socialization process, social institutions, and social change. The student will broaden his or her world view while learning how differing cultural, political and religious beliefs shape our perceptions and motivations, our strength and weaknesses, and the way we behave and think.

## Advanced Placement United States History

Elective

Length: Two semesters

Prerequisites: Government should be taken before or concurrently with AP History

Grade: 11, 12

Fulfills Social Studies requirement

Credit: .5 per semester

Advanced Placement United States History is a college level introductory survey course of American History. An emphasis is placed on analytical thinking and the ability to express thought in written form. Students taking this class need a high level of motivation and desire to succeed. Students are expected to take the Advanced Placement exam for college credit in May.

## Global Issues

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Social Studies elective

Credit: .5

This course will deal with a wide variety of subjects including national and international news, current trends, economics, society, politics and government. An emphasis will be placed on developing the students' knowledge of current affairs and encouraging an awareness of the world community.

## Mock Trial

Elective

Length: November-February

Prerequisites: None

Grade: 9, 10, 11, 12

Scheduled before and/or after school

Credit: .5

Mock Trial is sponsored by the State Bar of Wisconsin. Each year a case is written to allow students to learn firsthand what it is like to prepare and present a legal case before Wisconsin courts. By studying courtroom procedure and clarifying federal and state laws, the legal system as a whole will become demystified. Students learn to think quickly on their feet, to sharpen acting skills, to develop an ability to think and work as part of a team. This is not counted as part of a student's eight daily credits.

## Psychology

Elective

Length: One semester

Prerequisites: None

Grade: 11, 12

Social Studies elective

Credit: .5

This course will explore many major principles, concepts and theories of human mental processes and behavior. Students will come to better understand themselves, their lives and others. This will be achieved by exploring such topics as states of consciousness, sensation and perception, learning and memory.

## World History

Elective

Length: Two semesters

Prerequisites: None

Grade: 11, 12

Social Studies elective

Credit: .5 per semester

This course presents a global view of World History. It will include the following areas of study: ancient civilizations; middle ages; non-western civilizations; transitions to modern times; revolution and nationalism in the Western world; imperialism; contemporary civilization.

## Senior Project

The Senior Project is a course designed to allow a student to conduct an independent exploration of a topic or talent of particular interest, under the guidance of a faculty advisor. The student will develop, plan and manage his/her own learning experience resulting in a demonstration of mastery in the chosen curricular area. This course may be taken as a one semester, half credit or two semester, full credit, course.

The Senior Project will give students a chance to investigate fields not normally offered at school, increase knowledge and skills in a specific area of interest and demonstrate that knowledge in a way that highlights personal talents and abilities.

The project will be designed in cooperation with a faculty advisor, will adhere to project requirements and parameters, demonstrate cross-curricular components and adhere to rigorous academic standards. An application, research paper, portfolio, a final product and a presentation are requirements for all projects. Other requirements will be project specific and designed by the student and the advisor.

## University Reading Seminar – 1 or 2 semesters

University Reading Seminar is a guided reading course designed to expose college-bound seniors to classic and award winning literature as well as current and classic nonfiction of the type that they will be required to read in college. Students will read approximately one book per month and be prepared to discuss the book, in depth, with both the instructor and peers. In addition, students will be required to complete a writing assignment for each book read, the purpose of which is to give them experience in the kind of writing that will be required of them in college.

## Senior Seminar – 1 or 2 semesters

Senior Seminar is a series of workshops and mini courses that will give students the opportunity to interact with a variety of outside speakers about topics that will help prepare them for college and independent living. Topics may include:

- College admissions, applications, and essays
- Finances, loans, credit cards
- Career Exploration and what is success
- Public Speaking
- Study Skills and Time Management
- Applications, Resumes and Interviews
- Basic auto maintenance
- Basic household repairs
- Reading Workshop