

*St. Elizabeth Academy*  
*Course Offerings*



2008-2009

Developing the Successful Woman Inside Each Girl

# **St. Elizabeth Academy**

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## GRADUATION REQUIREMENTS

The following requirements must be met before a student will be awarded a diploma from St. Elizabeth Academy.

**Academic Credits** - minimum of 26.5.

Specific credits must be earned in these areas:

Theology	4 credits
English	4 credits
Social Studies	3 credits
(Including American History and American National Government)	
Mathematics	3 credits (Algebra 1 and Geometry)
Foreign Language	2 credits (Same language)
Lab Science	3 credits (Including Biology)
Fine Arts	1 credit (Art, and Music)
Practical Art	1 ¼ credit
(Computer 1 and/or Business, Family and Consumer Science)	
Active Physical Ed. and Health	1 ¼ credit
Electives	4 credits

Note: Students must spend eight semesters in high school taking a minimum of 64 mods of class per week for each semester. The minimum requirements stated will not necessarily assure a student of adequate preparation for college nor for any other post-high school education. All students are strongly encouraged to enroll in Algebra 2 and Chemistry if they plan to meet the academic criteria of Missouri State Schools. Admission criteria for the School System of the University of Missouri include 4 units of Math (Algebra 1 and higher) and 3 units of science. Students are responsible for knowing the admission requirements of colleges they are interested in and for enrolling in these courses at St. Elizabeth Academy. Credits required for graduation may not be taken in summer school or by correspondence as enrichment credit.

Any exceptions to the above requirements are granted only rarely and only upon mutual consent of the student, parents, advisor and principal. A student is responsible, with her advisor, for seeing that she has the required number of credits for graduation.

Any course may be canceled if there are an insufficient number of students registered for the course.

## **Service Project**

All students must perform 80 hours of documented volunteer service as a graduation requirement.

## **COURSE LEVELS AND WEIGHTS**

Courses are taught at multiple levels of challenge. In most courses, students contract for the level of challenge at which they will take the course. Early in the course, teachers explain the requirements for each level. Students and their parents choose the appropriate level in consultation with teachers and advisors. In some subjects, levels are determined at the time of registration.

Courses are weighted according to the level of challenge. The description of the course will indicate the number of levels of challenge offered. The numeric grade is multiplied by the GPA factor for the level of difficulty: Advanced, 1.02; Honors, 1.04; College Credit or AP, 1.06

## **MISSION STATEMENT**

St. Elizabeth Academy, a private Catholic girls' high school sponsored by the Sisters of the Most Precious Blood of O'Fallon, Missouri, makes academic success an attainable

## REGULAR PROGRAM OF STUDIES

<u>FRESHMEN</u>		<u>Mods</u>	<u>Credit</u>	
Theology	(10)	1		Fine Arts
Speech/Comp/Lit.	(10)	1		
Ancient History/ Geography	(10)	½		Orchestra (10) 1 or
Algebra	(10)	1		Exploring Music (5) ½
Info Research	( 2)	¼		Exploring Art (5) ½ or
Foreign Language	(10)	1		Instrumental (5)½
Physical Education	(5)	½		
Exploring Art	(5)	½		
Ecology	(10)	½		
Computer 1& sonal Finance	(5)	½		Per-

<u>SOPHOMORES</u>		<u>Mods</u>	<u>Credit</u>
Theology	(10)	1	1
English	(10)	1	1
World History	(10)	1	1
Geometry	(10)	1	1
Foreign Language	(10)	1	1
Biology	(12)	1	
Health	(10)	½	
Elective			¼ - ½

### JUNIORS

Theology	(10)	1	
English	(10)	1	
American History	(10)	1	1
Chem.or Physical Sci.	(12)	1	1
Math	(10)	1	
Electives			2 ¼ -3

### SENIORS

Theology	(10)	1	
English	(10)	1	
Amer. National Gov't	(10)	½	
Science Elective	(12)	1	
Other Electives			2 ¾-3



## **112 COMPUTER 2**

**½ cr      10 mods      3 levels      Soph/Jr/Sr**  
**(sem)**

### **Computer 1**

Students develop skills in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise, and print publications. They enhance their decision-making skills as they work cooperatively to design documents for academic, personal, and business purposes.

## **117 ADV. COMPUTER APPLICATIONS**

**½ cr      10mods      2 levels      Jr/Sr**  
**(sem)**

### **Computer 2 or Dept. Approval**

Students refine computer skills using professional quality web design tools to complete personalized projects such as a simple Web page. Topics covered include basic HTML programming and use of Web page design software. They learn to evaluate web design, web etiquette and development.

## **127 MARKETING**

**½ cr      10 mods      3 levels      Jr/Sr**  
**(sem)**

This course is designed with an emphasis on marketing and business fundamentals, human relations, product/service advertising, purchasing, pricing, and selling. Students are introduced to marketing strategy, product development, and e-commerce in our global economy. This course is offered in alternate years (2007-2008).

## **ENGLISH**

### **201 FRESMAN SPEECH/COMP/LIT**

**1 cr      10/10      3 levels      Fr**  
**(year)      mods**

This course is required of all freshmen. Speech and composition skills will comprise the first semester of this course. The study of literature will be the primary focus of the second semester. Of course skills learned in the first semester will also be useful in the literature study of the second semester.



## **232 SENIOR LIT/COMP**

**1 cr (year)    10/10    3 levels    Sr  
mods**

This course is required of all seniors. The literature segment will examine literary themes, periods, authors, and styles from British literature. The composition segment, which comprises half the instructional time, emphasizes expository writing, often using topics drawn from the literature studied. Grammar and usage are taught as needed to remedy weakness/errors evidenced in student writing

The composition segment, which comprises half the instructional time, emphasizes expository writing, often using topics drawn from the literature studied. Grammar and usage are taught as needed, to remedy weaknesses/errors evidenced in student writing.

Each student will complete developing the portfolio of her composition. The research process will be studied, and complete typed research paper in proper MLA form, of appropriate length and content, will be required of all students.

## **207 READING FOR ENRICHMENT**

**¼ cr (sem)    5 mods    1 level    So/Jr/  
Sr**

This course is designed to help the student enjoy and appreciate reading a variety of modern literature. Time is built into the student's schedule to meet with the instructor. Reading for Enrichment is a self-paced course with moderate levels of required reading. Students are expected to complete readings and assignments outside of class time. A "book project" will be completed and graded for each book or selection read.

## **209 PRACTICE IN WRITING**

**½ cr (1<sup>st</sup> sem)    10 mods    1 level    So/Jr/Sr**

This course offers practice in the types of writing likely to be needed in college and in adult life, such as expository and persuasive essays, business letters, resumes, narratives, and descriptions. Students will study paragraph structure, syntax, organization, conciseness, and other principles of good writing. Advanced grammar issues that affect writing style will also be covered, according to the needs of the class. This course does not deal with writing about literature, the research process, or the research paper.

## **240 ENGLISH X190**

**½ cr (1<sup>st</sup> sem)    10 mods    1 level    Sr**

### **Advanced Strategies of Rhetoric and Research (taken with ENG X202 – 3 college credits first semester)**

Prerequisite: ENGX150 or its equivalent. For the advanced student who has mastered the skills taught in ENGX150. Studies the more complex structures of language with respect to its logical and persuasive possibilities. This course emphasizes the development of the skills of analytical reading, critical thinking, and research methodology. The course seeks to help students integrate their own reasoned opinions with the fruits of reading and research, in order to produce coherent, persuasive essays.

## **242 ENGLISH X202**

**½ cr (2<sup>nd</sup> sem)    10 mods    1 level    Sr**

### **Introduction to Literary Studies (taken with ENG X190 – 3 college credits second semester)**

This course stresses theoretical and methodological approaches to literary texts. Through critical reading, class discussion, and written analysis of a wide diversity of imaginative works, these courses seek to develop a mature understanding of, and appreciation for, the rich significance of literary language and structure.

## **235 CREATIVE WRITING**

**½ cr (2<sup>nd</sup> sem)    10 mods    1 level    So/Jr/Sr**

### **Instructor approval required**

This course is designed for students who desire practice in advanced skills needed for writing fiction. Students will study excerpts from short stories, plays, and other fiction genre as examples of effective writing techniques, such as description, narration, dialog, characterization, and establishing mood. They will then apply these techniques by writing short stories, dramatic scenes, and extended narratives. The basics of poetry writing may also be studied, according to the needs and interests of the class. Competence in grammar and usage is assumed and will be covered on an individual basis only.

## **214 ENGLISH AS A SECOND LANGUAGE**

**1 cr (yr) 10 1 level Fr/So/Jr/Sr  
mods**

ESL is offered to all students who need help with the English language. Instruction focuses on four areas: reading and vocabulary comprehension, conversation, composition, and learning the culture and customs of the United States. Lessons are taught using a variety of methods, and classes are small. If a student has a native language other than English, this course takes the place of the foreign language requirement.

## **FAMILY AND CONSUMER SCIENCE**

### **301 FOODS I (FOOD AND NUTRITION)**

**½ cr 12 1 level Jr/Sr  
(sem) mods**

An instructional program that prepares the students to understand the basic principles of nutrition; the relationship of nutrition to health and wellness; the selection, preparation, and care of food; and meal management to meet individual and family food needs and patterns of living. Teaching methods will include lecture, some labs, and guest speakers.

### **307 FOODS II(FOOD SCIENCE)**

**½ cr (2<sup>nd</sup> 12 2 levels Foods I  
sem) mods**

This course will continue to work on understanding and promoting nutritional knowledge. The students will also learn basic skills necessary to succeed in their own kitchens. The class will teach kitchen safety; proper measuring techniques; basic cooking methods; food economics and ecology; and making optimal use of the food dollar. Teaching methods will include lecture, weekly labs, guest speakers, and field trips.

### **302 PARENTING AND CHILD DEVELOPMENT**

**½ cr (1<sup>st</sup> sem)      10 mods      1 level      Soph/Jr/Sr**

This course studies parenting skills; child growth and development; and teen pregnancy. It will include instruction in family dynamics; child growth and development, observation techniques, the importance of meaningful play and learning activities; and the realities of teen pregnancy. Each student will participate in working with a “computerized baby” to simulate the responsibilities of parenting.

### **304 CLOTHING I**

**½ cr (sem)      12 mods      1 level      So/Jr/Sr**

This introductory course teaches the basic skills needed to sew simple projects. Students will learn such skills as: how to operate a sewing machine; how to read a pattern; fabric selection and preparation; construction techniques; and hand stitching.

### **305 CLOTHING II**

**½ cr (2<sup>nd</sup> sem)      12 mods      1 level      Jr/Sr**

**Clothing 1 and  
Dept Approval**

In this course we continue the traditional techniques of clothing construction. Students will work on more challenging projects and practice more challenging skills.

### **306 CLOTHING III (FASHION DESIGN)**

**½ cr (2<sup>nd</sup> sem)      12 mods      1 level      Jr/Sr**

**Clothing II and  
Dept. Approval**

This advanced course is designed for the student who shows the interest and ability to design and construct more difficult sewing projects. The student will work on a portfolio in this course. It is as unique an opportunity to work with students as the students themselves.

## FINE ARTS

### ART

#### 497 EXPLORING ART

$\frac{1}{2}$  cr      5/5 mods    3 levels      Fr  
(year)

In this class, students will write about, talk about, and make art, both individually and in small and large group settings. Students learn the art elements and principles, the importance of both decorative and fine art historically and in modern life, and begin to develop, at each individual's level, the necessary skills for visual expression and creativity.

#### 409 GENERAL ART 1

#### 413 GENERAL ART 2

$\frac{1}{2}$  cr      10 mods    3 levels      So/Jr/Sr  
(sem)

This is a fundamental art course based on the art elements and principles and devoted to learning two and three dimensional design skills through fine arts and crafts including ceramics. Additionally, in General Art Two, the student will develop skills in realistic drawing. Students are expected to work on simple design and drawing (General Art 2) problems in a sketchbook as homework. Some study of famous artists is included.

#### 419 ADVANCED ART 1

#### 423 ADVANCED ART 2

$\frac{1}{2}$  cr      10 mods    3 levels      Gen Art 1 & 2  
(sem)

This is a creative art course in which the student develops a broader knowledge of art techniques and media such as oil painting, pastel drawing, printmaking, sculpture, and ceramics. Study of famous artists is included. (Juniors may, with instructor's approval, use these two courses to prepare to take AP Portfolio Art.)





## DRAMA

### 462 DRAMA

$\frac{1}{4}$  cr (1<sup>st</sup> sem)      5 mods      1 level      So/Jr/Sr

**Instructor approval  
required**

This course emphasizes dramatic interpretation of various forms of acting: monologue, readers' theater, improvisation, and children's theater. In this acting course, every student must be willing to perform before an audience.

## MUSIC

### 431 MUSIC APPRECIATION

$\frac{1}{2}$  cr (year)      5/5 mods      2 levels      Fr/So/Jr/Sr

This class is an introduction to the fundamentals of music. It includes a study of sound, note reading, rhythm, music of other countries, instruments, classical and contemporary masters, and careers. Participation by listening, singing, and other assigned activities make it a personal experience.

### BEGINNING INSTRUMENTAL

433       $\frac{1}{2}$  cr      5 mods      1 level      Dept  
BRASS      (year)                     Approval  
434 WOODWINDS

### 435 PERCUSSION

436

### STRINGS

### 480 BEGINNING PIANO

This is a one-year program designed to prepare beginning students for membership in the advanced instrumental ensembles available at our school. Students who meet the requirements of this course will then participate in an advanced level of study the following year. Therefore, there is a **two-year commitment** for the Instrumental Program.

**487 ORCHESTRA (ADV. INSTRUMENTAL)****1 cr (year) 10 mods 2 levels****Dept  
Ap-  
proval****478 BRASS****488 WOODWINDS****479 PER-  
CUSSION****489****STRINGS****481 PIANO 2****483 PIANO 3****485 PIANO 4**

This full ensemble meets twice each week. In addition, sectional rehearsals are also scheduled twice weekly. Entering Freshmen with experience may audition for this ensemble. Upon acceptance they will remain in the program for at least two years. Students are required to participate in all SEA concerts and performances. (Travel and competition will require additional fees.)

**448 JAZZ ENSEMBLE****¼ cr (year) After School 1 level****Audi-  
tion**

This course provides experiences in jazz styles and techniques to include improvisation and opportunities to perform. This course is taught after regular school hours. Students are required to participate in all SEA concerts and performances.

## 461 CHORUS

½ cr (year)	Before and During School Day	1 level	Audi- tion
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This course is designed to teach the fundamentals of singing, vocal technique and the art of performing in an ensemble. Members of this singing group are chosen by audition (held during the second semester of the preceding year). A mixture of voices (soprano, second soprano, alto and second alto) is sought to attain a well-balanced ensemble. This is a **non-competitive** chorus. Credit presupposes regular attendance, practicing, and participation in all scheduled performances. (e.g. Christmas Concert, Spring Concert, caroling, and any other SEA required performances). Students enrolled in Chorus 461 may audition for Select Singers.

## 475 SELECT SINGERS

1 credit (year)	Before and During School Day	1 level	Audi- tion
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This chorus will consist of students that are chosen by auditions. This is a **competitive chorus**. The singers will attend local and national competitions. This chorus will also tour to national festivals (an additional fee depending on location.) A full credit presupposes regular attendance, practicing, and participation in all scheduled performances. (e.g. Christmas Concert, Spring Concert, caroling, selected music festivals and contracted programs.) (Travel and competition will require additional fees.)

## 453 MUSIC THEORY

¼ cr (sem)	4-5 mods	1 level	Jr/Sr
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This class will meet twice a week. It is designed to give the student a basic background in theory: the ability to read and understand musical terminology and concepts. Students learn to interpret melodic, rhythmic, and harmonic patterns and progressions. This course is available to students preparing for advanced level study or those interested in developing their individual musicianship and techniques.

## **455 ADVANCED MUSIC THEORY**

**¼ cr (sem)      4-5 mods      1 level      Music Theory**

Students admitted to this level will build on the skills

of MUSIC THEORY. This class will meet twice each week. It is designed to give the student a more in-depth background in analyzing concepts of melody, complex rhythms, harmony, and musical forms.

## **FOREIGN LANGUAGE**

### **FRENCH**

#### **501 FRENCH ONE**

**1 cr (year)      10/10 mods      2 levels**

In this introductory course, students learn the basics of pronunciation and develop the ability to get basic needs met in French. They are introduced to France and her people and the main differences between French and American culture, including body language. Although the emphasis is on conversation, all four language skills are developed—listening, speaking, reading, and writing. Videos, special projects, cooking day, and frequent group work enhance learning of language and culture.

#### **503 FRENCH TWO**

**1 cr (year)      10/10 mods      3 levels**

The second year of French expands the students' ability to communicate in everyday situations in French. More complicated grammatical structures are studied and students become more proficient in the four language skills. They learn more about the culture of France and of other French-speaking countries. As in French One, there is extensive use of audio-visuais, partner conversations, role-playing, creative projects, as well as a cooking day.

## **540 FRENCH X110**

**1 cr (year) 10/10 2 levels Jr.**  
**mods**

### **Communicating in French I (3 college credits for full year) Dept. Approval**

Prerequisite: Two years of high school French or placement. Introduction to French language and culture: reading, writing, speaking, listening. The course emphasizes the acquisition of communicative skills. Students register with the university and pay fees in the Spring.

## **542 FRENCH X115**

**1 cr (year) 10/10 2 levels Sr.**  
**mods**

### **FR X115 Communicating in French II (taken with FR X210 – 3 college credits first semester ) Dept. Approval**

Prerequisite: FRX110 or placement. Expansion of oral and written communication skills in areas of immediate needs, personal interests, and daily life. Students register in the Fall.

### **FR X210 Intermediate French: Language and Culture (taken with FR X115 – 3 college credits second semester) Dept. Approval**

Prerequisite: FRX115 or placement. Continued practice in and development of all language skills, enabling students to function in an increased number of areas. Materials and discussion relate to French culture. Students register in the Spring.

## **SPANISH**

## **530 INTRODUCTION TO SPANISH**

**1 cr (year) 10/10 1 level**  
**mods**

In this introductory course, students will study the vocabulary from the Spanish I curriculum. Some basic grammar will be introduced. All four language skills will be developed: listening, speaking, reading and writing. This program is designed to support students at they transition to Spanish I.

### **513 SPANISH ONE**

**1 cr (year) 10/10 2 levles  
mods**

The emphasis in this course is on understanding spoken Spanish and on speaking Spanish. Students work together to understand each other and to practice speaking Spanish. An introduction to the reading and writing of Spanish is given. The culture and customs of Spanish speaking countries is studied through films and special projects and special liturgies.

### **515 SPANISH TWO**

**1 cr (year) 10/10 3 levels Spanish  
mods One**

This course continues the practice of speaking and listening to Spanish. There is an increased emphasis on reading, writing and grammar. The culture and customs continue to be studied. Audio and video tapes enable students to see themselves speaking Spanish and to practice and make improvements in their fluency.

### **521 SPANISH THREE**

**1 cr (year) 10/10 1 level Spanish  
mods Two  
92% Average for Dept. Approval  
College Credit**

This course gives continues practice in all four skills: reading, writing, listening and speaking with an emphasis on grammar. The culture from Spain and Latin America are studied through field trips, cooking, and activities that emphasize real-life situations. Students will be expected to do more intensive work through composition and speaking the language.

## 522 SPANISH FOUR

<b>1 cr (year)</b>	<b>10/10 mods 92% Average for College Credit</b>	<b>1 level</b>	<b>Spanish Three Dept. Approval</b>
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The four skills are continued with more emphasis on conversation and writing. Supplemental reading materials are included. Current events and political views of Latin America and Spain are discussed. The study of Spanish and Latin American civilization and culture is continued. Students are further encouraged to express themselves by writing and conversing. Students will be expected to do more intensive work through composition, reading, conversation, and presentations in Spanish.

## LIBRARY

### 315 INFORMATION RESEARCH

<b>½ cr (sem)</b>	<b>10 mods</b>	<b>1 level</b>	<b>Jr/Sr</b>
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This course is designed to demonstrate the different stages of the research process. Students will learn the process of gathering information. Since the main source of information for students is the library, a substantial part of the course will be devoted to understanding the organization and tools of this resource. A significant portion of the course will be devoted to understanding and using electronic databases including the Internet and automated library catalogs. This course will help the student manage information overload by focusing their perspective on collecting only what is relevant to their research purpose. The student will also be exposed to different documentation style methods and proper citing procedures. Students are required to purchase and maintain a loose-leaf binder to organize worksheets, activity pages, and journal entries.



## **605 INFORMAL GEOMETRY**

**1 cr (year) 10/10 1 level Dept  
mods Approval**

This course studies geometry figures using postulates, theorems, and definitions to solve problems. It emphasizes measurement, drawing, and relationships between figures and geometric concepts.

## **600 GEOMETRY**

**1 cr (year) 10/10 2 levels Algebra  
mods One Dept  
Approval**

This course studies the relationships of geometric figures using postulates, theorems, formulas, and definitions. Formal proofs and algebraic skills are incorporated in problem solving.

## **608 ALGEBRA TWO**

**1 cr (year) 10/10 2 levels  
mods  
78% Average in Math or  
Dept Approval**

This course reviews algebraic techniques, namely operations with positive and negative numbers, solutions of linear equations and quadratic equations and inequalities, graphing of linear equations and inequalities, solutions of systems of equations, factoring, and the applications of the properties of real numbers in word problems.

## **610 ALGEBRA TWO & TRIGONOMETRY**

**1 cr (year) 10/10 1 level  
mods  
78% Average in Math or  
Dept Approval**

This course reviews algebraic techniques, namely operations with positive and negative numbers, solutions of linear equations and quadratic equations and inequalities, graphing of linear equations and inequalities, solutions of systems of equations, factoring, and the applications of the properties of real numbers in word problems. The fundamentals of trigonometry are included.

## 617 TRIGONOMETRY

$\frac{1}{2}$  cr (1<sup>st</sup>  
sem)      10/10      2 levels  
mods

**78% Average in Algebra Two or  
Dept. Approval**

This course studies trigonometry as a function of real numbers and as a function of angles. Topics covered include degree and radian measures, identities, inverses, trigonometric formulas, trigonometric graphs, solving real-world problems, and applying trigonometry to the sciences.

## 616 ELEMENTARY FUNCTIONS

$\frac{1}{2}$  cr (2<sup>nd</sup>  
sem)      10 mods      2 levels

**78% Average in Algebra Two or  
Dept Approval**

This course includes a study of polynomial, rational, exponential, and logarithmic functions, and their combinations. It also examines the complex number system and analytic geometry.

## 613 PRE-CALCULUS TOPICS

1 cr (year)      10/10      1 level  
mods

**78% Average in Algebra 2 & Trig or  
Dept Approval**

This course will prepare a student for college calculus. Topics to be studied include polynomial, rational, exponential, and logarithmic functions, the composition of functions, the complex number system, the conic sections, matrices and determinants, sequence and series, and a review of trigonometry. Techniques used in graphing functions are emphasized, and applications in problem solving are included throughout the course.

## **620 CALC1818**

**1 cr (year) 10/10 1 level Dept  
mods Approval**

Calculus is explored through the interpretation of graphs and tables as well as analytic methods. Derivatives are interpreted as rates of change and local linear approximation. Local linearity is used throughout the course. The definite integral is interpreted as total change over a specific interval and as a limit of Riemann sums. Problem situations are modeled with integrals. The use of a graphing calculator is integrated throughout the course to provide a balanced approach to learning Calculus that involves algebraic, numerical, graphical, verbal, and written methods. The course is equivalent to the first semester of college Calculus. All students taking this course must take the AP Calculus Exam sponsored by the College Board. Cost of the test will be included on the Book bill.

## **650 CONSUMER MATH**

**1 cr (year) 10/10 1 level Jr/Sr  
mods**

This course is designed to teach mathematical and critical thinking skills to help the student become an informed citizen. Students learn the mathematics of banking, budgeting, saving and borrowing money, buying a car and home, taxes, investments, and managing insurance needs.

## **PHYSICAL EDUCATION**

### **701 PHYSICAL EDUCATION**

**½ cr 5/5 mods 1 level Fr  
(year)**

This course is designed to give students knowledge and basic skills in team spirit, i.e., volleyball, basketball, soccer, speedball, and track and field. Basic skills are developed, and testing will occur on game rules. A unit on basic tumbling and aerobic rope jumping will also be covered.

## **702 HEALTH EDUCATION**

**½ cr                      10 mods                      2 levels                      So**  
**(sem)**

This course gives students the opportunity to acquire accurate health information and to develop healthy attitudes and behavior patterns. Health teaches the skills necessary to weigh personal options, to make responsible decisions, and to develop behaviors that promote healthy life styles. Students are encouraged to assess their attitudes and behavior patterns and to understand the impact their life-style choices have on their well-being. The weight room will be used for this course.

## **707 PHYSICAL ACTIVITIES**

**¼ cr                      4 mods                      1 level                      So/Jr/Sr**  
**(sem)**

This course is designed to increase students' endurance through aerobic and anaerobic exercises and activities. The Students will use the weight room to teach conditioning skills and learn the importance of exercise and training. The course will teach the proper use of weight equipment. This course may be repeated.

## **711 FIRST AID**

**¼ cr (2<sup>nd</sup>                      4 mods                      1 level                      So/Jr/Sr**  
**sem)**

This course teaches students how to react in emergency situations. Lifetime skills will be acquired in controlling severe bleeding, fractures, sprains, poison, shock, burn, and choking emergencies. A unit on cardiopulmonary resuscitation will cover CPR techniques that will be practiced on mannequins for development of correct procedures. This course may only be taken as an elective. It does not fulfill active PE requirement

## **715 AEROBICS/TAE-BO**

**¼ cr (1<sup>st</sup>                      4-5 mods                      1 level                      So/Jr/Sr**  
**sem)**

This course will include exercise regimens designed to strengthen the heart and lungs by increasing the efficiency of oxygen intake. The skills of Tae-Bo will also be included in this course.

## **718 TEAM SPORTS**

**¼ cr (1<sup>st</sup> sem)      4 mods      1 level      Jr/Sr**

This course will give a more detailed idea of the meaning of team sports, through the understanding of personal and cooperative team play. Leadership roles will be encouraged in this class. The team sports that will be offered are volleyball, basketball, soccer, floor-hockey, as well as wiffleball, flag football and team hand-ball..

## **720 RECREATIONAL ACTIVITIES**

**¼ cr (2<sup>nd</sup> sem)      4 mods      1 level      Jr/Sr**

This COURSE WILL BE OFFERED FOR THOSE WHO ENJOY NON-TRADITIONAL SPORTS. The course will include Frisbee golf, badminton, pickle-ball, pilates, yoga, bocce ball, croquet, walking and jogging.

## **SCIENCE**

### **801 ECOLOGY**

**½ cr (sem)      12 mods      2 levels      Fr**

This required course introduces the student to the fundamental concepts and current issues in ecology. It covers abiotic and biotic relationships in ecosystems, populations and communities, food chains and webs, types of pollution, and the impact that humans have on the environment. Investigative problems, laboratory exercises, and activities introduce the students to use of scientific method and encourage critical thinking about environmental concerns.

## **803 BIOLOGY**

**1 cr (year) 12/12 3 levels  
mods**

Biology is a required course that is usually taken in the sophomore year. This course gives a broad view of many areas of biology such as: classification, evolution, cells, photosynthesis, DNA, genetics and the reproduction of plants and animals. This course continues the development of the use of scientific method and provides understanding of the chemistry needed for the study of plants and animals. The laboratory periods are correlated with the topics being studied. All students will be required to complete a research paper on a scientific topic assigned by the teacher. Instruction includes work with library skills and writing.

## **807 CHEMISTRY**

**1 cr (year) 12/12 2 levels Jr/Sr  
mods**

**Biology, Algebra 2 or Algebra 2 & Trig  
may be taken concurrently)**

**Dept. Approval**

This course is intended to introduce students to the main concepts of chemistry. Lab experiments help supplement and verify concepts that are introduced in the textbook. This course also encourages students to apply and incorporate critical thinking skills especially through problem solving. Chemistry provides the students with a foundation to pursue college level work in the scientific disciplines. This course is offered at the Advanced and Honors levels only.

## **809 INTRO PHYSICAL SCIENCE**

**1 cr (year) 12/12 1 level Jr/Sr  
mods**

**Dept.  
Approval**

This high school science course is open to those students whose ability requires further development and laboratory use of the skills and principles of scientific method. The first semester deals with the principal laws of motion and mechanics and the second semester deals with the fundamentals of chemistry. This course is not as detailed as physics or chemistry. Scientific problem solving is developed and laboratory work is correlated with topics covered.

## 819 INTRO TO PHYSICAL SCIENCE I

1/2 cr (1<sup>st</sup> sem)      12 mods      1 level      Jr/Sr

Dept.  
Approval

This semester course deals with the principal laws of motion and mechanics. Scientific problem solving is developed and laboratory work is correlated with topics covered. This course is offered to students with interest in physical science after completing a year of chemistry.

## 810 HONORS PHYSICS

1 cr (year)      12/12 mods      1 level      Dept  
Approval

### **Algebra 2 & Trig or Trigonometry (Trigonometry may be taken concurrently)**

The physics course aims to teach the principles of dynamics and kinematics, force and motion, and the relationship to energy. It stresses the laws regarding heat, light, magnetism and electricity. The course includes lecture and lab, each supplementing and confirming the other. It requires, therefore, ability to study through problems, and a thorough preparation of laboratory procedure.

## 816 PHYSICS I

1/2 cr (1<sup>st</sup> Sem)      12 mods      1 level      Sr  
(Honors)

**Algebra 2 and Trig or Trig (concurrently)  
Dept. Approval**

This physics course focuses on the study of force and motion. It covers material using lecture and lab activities, each supplementing and confirming the other. This course is offered especially to students interested in science but who **cannot take the year-long course.**



## SOCIAL STUDIES

### 930 ANCIENT HISTORY/GEOGRAPHY

**½ cr(sem) 10 mods 3 levels Fr**

This one semester course is required for all freshmen. It is a survey of ancient world history with an emphasis in basic geography skills. Students will study locations, map interpretations, and the six essential elements of geography. Then students will study the history of the ancient world with particular attention paid to cultures of the early civilizations in addition to the social and political history of those civilizations. This course lays the foundation for future cultural studies in later courses.

### 904 WORLD HISTORY

**1 cr (year) 10/10 3 levels So  
mods**

This is a full year course required for all sophomores. World History is a survey of the modern era from the Byzantine Empire to the present day. Emphasis will be placed on social, cultural, and political history as well as economic history.

### 907 AMERICAN HISTORY

**1 cr (year) 10/10 3 levels Jr  
mods**

This survey course of the development of the United States is required for graduation. Emphasis is placed on the students' understanding how heritage affects the United States in the 21<sup>st</sup> century.

### 910 AMERICAN NATIONAL GOVERNMENT

**½ cr (sem) 10 mods 3 levels Sr**

In this course the students study the background and structure of the national government. They also study the ideology of political parties and current events involving government. The Missouri and Federal constitutions are also studied in this course. This course will meet the legal requirements of the state of Missouri for graduation.

## **913 PSYCHOLOGY & HUMAN RELATIONS**

**½ cr (1<sup>st</sup> sem)      10 mods      2 levels      Sr**

This course is designed to clarify and explain human development and behavior from infancy through maturity. The emphasis is on YOU, the individual, and your RELATION to your family and to other people in our changing world. Some of the topics covered are personality, learning, motivation, emotions and perceptions.

## **940 and 942 HISTORY 1818**

**1 cr (year)      10/10 mods      2 levels      Jr/Sr**

**HS X260 History of the U.S. to 1865 (taken with HS X261 – 3 college credits first semester )**

This survey course examines the development of the United States from its pre-Columbian origins through the Civil War. Required for majors.

**HS X261 History of the U.S. since 1865 (taken with HS X260 – 3 college credits second semester)**

This survey course examines the United States from Reconstruction through the present. Required for majors.

## **922 WOMEN IN AMERICAN HISTORY**

**½ cr (sem)      10 mods      2 levels      Jr/Sr**

This semester course will explore the impact of significant historical events on the lives of American women and allow students to inspect and appreciate the varied roles women played in shaping American history. The character of American women from colonial times to the present will be our central focus as we study the diversity of women through family life, work, education, reform, and political activism.

## **THEOLOGY**

### **001 INTRODUCTION TO CATHOLICISM**

**½ cr (sem)      10 mods      2 levels      Fr**

This course introduces the theology topics to be covered more fully in the remainder of the theology curriculum, including an introduction to prayer and the call to chastity.

### **003 OLD TESTAMENT**

**½ cr            10 mods            2 levels            Fr  
(sem)**

This course presents Catholic interpretation to the Old Testament. It follows the inspired record of salvation history from its conception in the beliefs of the Hebrews to its fullness in Christ as prophesized.

### **005 NEW TESTAMENT/CHRISTOLOGY**

**½ cr (1<sup>st</sup>            10 mods            2 levels            So  
sem)**

This course emphasizes the person of Jesus Christ as the focus for New Testament study. The levels of interpreting the Bible are studied to help students understand the life and teachings of Jesus.

### **007 CHURCH HISTORY**

**½ cr (2<sup>nd</sup>            10 mods            2 levels            So  
sem)**

This course presents the history of the Roman Catholic Church. It considers the women and men, leaders, saints, and historic figures who, led by the Holy Spirit, contributed to the Church's growth and development through the ages.

### **009 MORALITY**

**½ cr (1<sup>st</sup>            10 mods            2 levels            Jr  
sem)**

This course helps to develop the moral maturity that enables one to have a Christian life style. The goal is to teach the students to make good responsible decisions based on informed conscience, the directives of the Church, and the teachings of Jesus Christ.

### **011 SACRAMENTS**

**½ cr (2<sup>nd</sup>            10 mods            2 levels            Jr  
sem)**

This course is a survey of the historical development, theology, symbolism, and practice of the seven Sacraments of the Roman Catholic Church, as well as experiential learning through the liturgies and rites of the Church.

### **013 VOCATIONS**

**½ cr (2nd sem)    10 mods    2 levels    Sr**

This course provides background and applications on the topics of self-understanding, commitment, growing in love, and communication as a basis for helping students discern their own vocation options. Included is valuable information on the single life, the consecrated life, the ordained life, and the married life.

### **015 CATHOLIC SOCIAL TEACHING**

**½ cr (1st sem)    10 mods    2 levles    Sr**

This course exposes students to the principles of Catholic social teaching, helping students understand the global and social dimensions of morality. The course challenges students to struggle for justice and peace in our world.

### **100 THEOLOGICAL FOUNDATIONS**

**½ cr (2nd sem)    10 mods**

**Sr  
Dept.  
Approval**

This course is a college-level introduction to theological studies (a course required by most Catholic colleges). Students will learn techniques for the study of Hebrew and Christian scriptures; fundamental theological concepts such as God, revelation, faith, creation, covenant, and salvation history; and the early experience of Christians, especially as they learned to articulate their faith in Christ and their understanding of the Trinity. May take the place of Vocations.

