



ROSATI-KAIN ACADEMY COURSE DESCRIPTIONS 2023 - 2024

School-Wide Curriculum Goals

Rosati-Kain Academy students will:

- Make effective choices based on Catholic faith, morality, Gospel values and personal spirituality.
- Understand the aspects of healthy living and use them to increase their spiritual, social, emotional, and physical health.
- Understand and appreciate the benefits of life-long learning.
- Demonstrate a continuing commitment to community through service.
- Appreciate diversity.
- Communicate effectively and appropriately.
- Use high level thinking skills to conduct research, find sources, evaluate information, solve problems and determine validity of results.
- Be strong, independent, responsible, caring and self-disciplined women.

These course descriptions are published to assist students, parents and other interested parties in understanding the academic program at Rosati-Kain Academy. Information related to the Advanced College Credit and Advanced Placement programs can be found on pages 31-32.

Curriculum development is an ongoing process of revision and improvement. It is recommended, however, to use the contents of this book as a guide to help plan a complete course of studies.

The administration of Rosati-Kain Academy reserves the right to cancel classes with insufficient enrollment.



ACADEMIC PROGRAM

All courses offered at Rosati-Kain are college preparatory. Credits are issued on a semester or yearly basis. Schedule changes may be made during the first cycle of each semester and must be approved by parents, teachers and the administration. **Students are not permitted to drop full year courses after only one semester.** The minimum number of credits required for graduation is 28.

REQUIREMENTS FOR GRADUATION

Religion	4 credits	
English	4 credits	
Fine Arts	1 credit	
Mathematics	4 credits	
World Languages	2 credits	must be in the same language
Physical Education/Health	1.5 credits	1 credit PE; .5 credit Health
Practical Arts	1 credit	
Science	3 credits	
Social Studies	3 credits	1 credit must be U.S. History
Electives	4.5 credits	

Students and parents are encouraged to do long-range planning of courses. The following form may help in this planning.

FRESHMAN YEAR

Religion: Revelation of Jesus Christ /
Who is Jesus Christ
English: Literary Types
Constitution/Geography
Physics 1
R-K FCL (1/2 credit)
Math: _____
World Languages: _____
Instrumental/Chorus
15 hours Christian Service required
Fr. Crs. _____

SOPHOMORE YEAR

Religion: Sacraments/Church
English: American Literature
World History
Chemistry
Math: _____
World Languages: _____
Physical Education and Health
Fine Art (optional)
Practical Arts (optional)
Chorus (optional)
Instrumental (optional)
25 hours Christian Service required
Soph. Crs. _____ Tot. Crs. _____



JUNIOR YEAR

Religion: Social Justice/Morality
 English: Best of British Lit/World Lit
 Science _____
 History _____
 Language _____
 Mathematics _____
 Practical Arts _____
 Art _____
 Music _____
 Theatre Arts _____
 Physical Education _____

SENIOR YEAR

Rel: Interreligious Dialogue/Resp. to Jesus
 English _____
 History _____
 Language _____
 Mathematics _____
 Science _____
 Practical Arts _____
 Art _____
 Music _____
 Film/Theatre Arts _____
 Physical Education _____

60 hours Service required junior and senior years combined

Jr. Crs. _____ Tot. Crs. _____

Sr. Crs. _____ Tot. Crs. _____

**RELIGION (4 credits required)**

The Religion Department at Rosati-Kain offers semester classes to Freshmen, Sophomores, Juniors, and Seniors. Students are enrolled in Religion class each semester they attend Rosati-Kain. With the direction of the Religion department staff, students will participate in a variety of prayer experience opportunities to deepen their relationship with Jesus Christ and His Church. Students also participate in liturgical activities, retreats, and the junior service program sponsored by the Campus Ministry Office.

011 Revelation of Jesus Christ in Scripture: Old Testament (required, 9) ½ credit

Prerequisites: none

Students learn how to read the Bible utilizing methods of Catholic scripture scholarship and become familiar with the major books, people, and relationships of the Old Testament. Students study Old Testament stories with emphasis on how they are fulfilled in the Gospels. Students are invited to encounter Jesus Christ more personally through study of scripture and prayer while reflecting on loving, healthy encounters with God and one another.

012 Who is Jesus Christ?: New Testament (required, 9) ½ credit

Prerequisites: none

Students consider the person of Jesus Christ as God's revelation in history by examining New Testament writings with primary attention to the gospels. The unfolding of redemption in sacred scripture culminating in the Paschal Mystery is explored. Students consider what it means to be a disciple of Christ and what life as a disciple entails by exploring self-knowledge, personal relationships with God and others, the virtue of chastity and prayer.

021 Sacraments (required, 10) ½ credit

Prerequisites: none

The seven Sacraments of the Catholic Church are tangible signs of the love and grace of our God, but they extend beyond one moment within the walls of a church building. We will explore the seven Sacraments of the Catholic faith: their origins and development, their symbols and rituals, the particular moments of grace that they are. We will also explore sacramental living, seeing the presence and blessing of God in all of life.

**022 Church: Reflections on Past and Present (required, 10)****½ credit**

Prerequisites: none

Students consider the presence of Jesus Christ in the Church. This course incorporates answers to questions of ecclesiology: What does it mean to be the Body of Christ? What is the Church? What does it mean to be a member of the Catholic Church? Key events in Church history are examined so the students can develop a sense of rootedness in faith.

031 Social Justice (11)**½ credit**

Prerequisites: none

Students will learn how Christ's concern for others, especially the poor and vulnerable, is present today in Catholic Social Teaching and mission. Students will increase awareness of social justice issues and develop the ability to analyze and respond to these injustices.

Students will read and discuss primary source documents as they examine the principles for social justice and begin to integrate them into their own lives of solidarity with and for others.

032 Morality: Life in Jesus Christ (required, 11)**½ credit**

Prerequisites: none

In this study of Christian Morality, students will examine the process involved in choosing to live a Gospel valued life. The course is developed around the Christian virtues and shows the Christian moral life as one's total commitment to the development of a holistic and virtuous life. Development of a personal and communal awareness of moral decision making and judgment will also be covered. Catholic moral teaching will be presented as it relates to a variety of issues.

041 Ecumenical and Interreligious Dialogue (required, 12)**½ credit**

Prerequisites: none

Students will understand the manner in which the Catholic Church approaches ecumenical and interreligious relations. Building upon the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of revelation, students will examine the origins, beliefs and practices in non-Catholic



Christian churches, ecclesial communities and non-Christian religions. Students will be invited to inter-religious dialogue with various guest presenters and will be guided to appreciate the ways in which important universal spiritual truths can be found in various religions of the world while recognizing and appreciating differences in beliefs and practices.

- 042 Responding to the Call of Jesus Christ (required, 12)** ½ credit
Prerequisites: none

Students will explore the purpose and meaning of the main vocational choices in life: married life, generous single life and consecrated religious life. Students will explore ways to best live vocation as young women in today's world. The students will be encouraged to reflect upon themselves as women of faith, apply and reflect upon different stages of spiritual development, learn what it means to live a life for the benefit of others and consider the value of a vocation in service to the community around them.

ENGLISH (4 credits required)

The English Department offers a variety of courses to enable students to fulfill the four-credit English graduation requirement. Each student will take one English course each semester. Required courses are taken during a student's freshman, sophomore, and junior years. These are Literary Types, American Literature, Best of British Literature, and World Literature respectively. Seniors have a choice of a variety of semester courses. Those who fulfill the published prerequisites may register for college credit courses during their senior year.

- 111 Literary Types (required, 9)** 1 credit
Prerequisites: none

The full-year freshman English course aims to improve the students' control of their communication skills, reading, writing, speaking, and listening as well as to expose students to language as a unique human invention, and to lead them to make discoveries about the structure and use of their own language. The content of this course will offer students a selection of good literature to read and to enjoy. In addition, Daily Grammar Practice and an emphasis on writing skills will help students build a firm foundation for the types of writing needed for future English courses.

**121 American Literature (required, 10)**

1 credit

Prerequisites: one credit in English

This full-year sophomore English course covers the writings of major American authors like Poe, Twain, Dickinson, Hughes, and Angelou. The main theme of this course is the search for an American identity through the eyes of diverse American authors. To build on the writing skills begun in freshman year, students write essays throughout each semester. This course also includes vocabulary study and a unit emphasizing research skills and argumentative writing.

131 Best of British Literature (required, 11) $\frac{1}{2}$ credit

Prerequisites: two credits in English

This semester-long course is a study of the literature of England. Students will read some of the best of British works of literature from the Anglo-Saxon Era through the Renaissance. This course also includes detailed studies of Hamlet.

132 World Literature (required, 11) $\frac{1}{2}$ credit

Prerequisites: two credits in English

This semester-long course is a study of representative works of world literature from a variety of historical eras. Authors being studied include: Trevor Noah, Marjane Satrapi, Sandra Cisneros, and others. The course emphasizes the study and consideration of the literary, cultural, and human significance of selected great works of the non-Western/Eurocentric literary traditions. There will be a research paper and in-class presentation at the end of the semester that will serve as the exam grade.

SENIOR SEMESTER COURSES

Seniors must take one English class each semester. All senior courses require the writing of at least four formal essays (descriptive, process, comparison/contrast, literary criticism) as well as lengthy reading assignments.

141 Shakespeare $\frac{1}{2}$ credit

This semester course is a detailed study of the four types of Shakespearean plays (history, tragedy, problem, and comedy). These works will include *Henry V*, *Othello*,



Measure for Measure, and *Midsummer Night's Dream*. Students are required to write at least four formal essays.

142 Major American Authors

½ credit

This semester course is a detailed study of many genres of literature, featuring influential American authors. Works that will be studied include *The Adventures of Huckleberry Finn*, *The Great Gatsby*, *I Know Why the Caged Bird Sings*, *Death of a Salesman*, and 20th century poems and short stories. Students are required to write at least four formal essays.

143 Modern British Literature

½ credit

This semester course will include the novels *The Lord of the Flies*, *And Then There Were None*, *Rebecca*, *Harry Potter and the Sorcerer's Stone*, and *Master Harold and the Boys* by South African playwright Athol Fugard. Post-WWII poetry, short stories, excerpts from novels by J.R.R. Tolkien, and other selections will also be studied. Students are required to write at least four formal essays.

144 Theatrical Literature Survey

½ credit

This semester course is an exploration of several plays both as dramatic literature and as theatrical event. Students are required to write at least four formal essays. Works will include *Oedipus Rex*, *Everyman*, *She Stoops to Conquer*, *Hedda Gabler*, *Waiting for Godot*, and *The Piano Lesson*.

145 Women in Literature

½ credit

This semester course is a study of literature by and about women. Emphasis is placed on the changing roles of and attitudes towards women throughout the ages, and the way these changes reflect the changes in society from century to century. Many genres will be included. Works will include *A Doll's House*, *The Color Purple*, *The Help* and short stories. Students are required to write at multiple formal essays.

148 Short Story Reading and Creative Writing

½ credit



Students will read selected short stories from 19th and 20th Century American literature with the objective of understanding their plot structures as well as the settings, character developments, imagery, and themes created by the authors. Students will work on developing their own short stories through writing exercises for plots, settings, characters, imagery, themes, and dialogue.

199 ACC/AP Advanced English Composition (elective, 12) 1 credit

Prerequisites: a 3.4 GPA in previous English courses, a cumulative GPA of 3.0, and a writing sample that will be evaluated by the English faculty.

Students who register for this year-long class have the opportunity to earn three hours of advanced college credit for each semester. The first semester is also approved by the College Board as preparation for the AP Language and Composition Exam. This class is designed to help students read critically and write clearly, logically, and creatively. Discursive writing assignments in the first semester are based on current topics; during the second semester, writing assignments focus on the literature being studied.

SOCIAL STUDIES (3 credits required; 1 credit must be 231 or 239)

211 Freshman Government (required, 9) ½ credit

Prerequisites: none

In this one-semester freshman course, students will learn about the United States federal government as well as the Missouri state government. The course will prepare students to take the U.S. constitution test. Students will also gain in-depth knowledge of the legislative and judicial processes. By the end of the semester, students will understand civic duty and be prepared to take action as informed citizens of this country.

212 Freshman Global Studies (required, 9) ½ credit

Prerequisites: none

This one-semester freshman course is designed to teach students about the physical, political, and cultural geography of the world. There will be an emphasis on patterns of interaction between cultures, and students will take steps towards becoming better global citizens.



221 World History (required, 10) 1 credit

Prerequisites: none

This two-semester sophomore course is a survey of the major developments of the world from the ancient world to present day. There is an emphasis on patterns of interaction between cultures and history's impact on modern society.

231 U.S. History (required, 11) 1 credit

Prerequisites: none

This junior course will cover the history of the United States from the colonial period to the present day. A research paper is required.

239 ACC United States History (required, 11) 1 credit

Prerequisites: A or B semester average in all previously completed history and English courses; writing assignment; recommendation of the student's former history and English teachers; and parent and student commitment to the extra time, reading and writing requirement. Enrollment in this class may need to be limited. This course will cover the history of the United States from the colonial period to the present day

248 ACC Political Science (American Politics) (elective, 12) ½ credit

Prerequisites: A or B semester average in all previously completed history and English Courses; recommendation of the student's former history and English teachers; and parent and student commitment to the extra time, reading and writing requirements.

Political science is divided into several subdisciplines including comparative politics, political theory, American politics, international relations, and public policy. This course will focus primarily on American Politics. Important concepts in American Politics include the constitution, political behaviors, interest groups, institutions of government, civil rights and liberties, and public policy. This course will introduce students to the methods, concepts and theories that guide scholars of this field.

249 ACC Political Science (Comparative Politics) (elective, 12) ½ credit

Prerequisites: A or B semester average in all previously completed history and English Courses; recommendation of the student's former history and English teachers; and parent and student commitment to the extra time, reading and writing requirements.



Political science is divided into several subdisciplines including comparative politics, political theory, American politics, international relations, and public policy. This course will focus primarily on Comparative Politics. Comparative politics is the study of the domestic politics of foreign states. This course will introduce students to the methods, concepts, and theories that guide scholars of this field. Important concepts in Comparative Politics include the state, political economy, democracy, authoritarianism, communism, terrorism, and globalization.

- 243 Psychology (elective, 12)** ½ credit
 Prerequisites: none 1 semester

Psychology is a semester course designed to introduce students to the biopsychosocial approach to psychology. Historical perspectives of psychology and theories of psychological growth and development, neuroscience and the brain, personality theories and behavior disorders are discussed.

- 245 Today's Issues (elective, 12)** ½ credit
 Prerequisites: none 1 semester

This semester course focuses on the discussion of the major international and domestic issues. The class examines the media and how information is presented to its audience as well as looking for biases in the presentation. Student research will supplement discussions in seeking balanced historical explanations surrounding pertinent issues.

- 246 Economics (elective, 11, 12)** ½ credit
 Prerequisites: none 1 semester

This course helps students view situations, events, and life experiences in economic terms. This is accomplished through discussions and activities designed to view the impact of current events, concepts, and ideas at all levels -- personal, national, and global. Topics covered during the semester include the following: Scarcity, economic systems, supply and demand, money and the U.S. banking structure, tax policy, government spending, and the stock market.



247 Black History (elective, 11, 12)

½ credit

Prerequisites: none

1 semester

This course will examine the broad range of experiences of African-Americans from the American Civil War to the early 21st century, exploring the relationships of African-Americans to the wider society. Particular attention will be devoted to issues of identity, language, social and political organizations and the struggle for social justice. Utilizing history as the framework, literature and art will provide examples for the variety of means to show the struggles and means by which African-Americans empowered themselves.

250 Women, Race, and Society: The Last 100 Years (elective, 12)

½ credit

Prerequisites: none

1 semester

This is a one-semester course meant for students with an interest in the social sciences and history. This co-taught course takes an interdisciplinary and cross-cultural approach to study the societal shifts and movements in the 20th century. Students will learn how to use APA formatting in writing research papers as they explore topics of gender and race.

MATHEMATICS (4 credits required)

The Mathematics Department offers fourteen courses which enable students to fulfill the four-credit mathematics graduation requirement. The Advanced Program is offered to accelerate students' study by allowing them to register for AP Calculus in their senior year. All students will be required to purchase a specific graphing calculator at the beginning of their freshman year. This calculator will be used in mathematics and science classes.

310 Algebra 1 Applications (9 with special placement)

1 credit

Prerequisites: Placement test and department approval

This course allows the student to extend previously acquired arithmetic skills from numbers to polynomials and equation solving. Emphasis will be placed on applying equation solving processes to word problems. Topics include operations with rational numbers, linear equations, linear inequalities, polynomials, factoring, graphing linear equations, systems of equations, rational expressions, radicals and quadratic equations.



311 Algebra 1 (required, 9) 1 credit

Prerequisites: admission to R-K

This course allows the student to extend previously acquired arithmetic skills from numbers to polynomials and equation solving. Topics include operations with rational numbers, linear equations, linear inequalities, polynomials, factoring, graphing linear equations, systems of equations, rational expressions, radicals and quadratic equations.

318 Advanced Algebra 1 (9 with special placement) 1 credit

Prerequisites: Placement test and department approval

This accelerated course in Algebra is available to the student who has had an introduction to Algebra in the eighth grade. Advanced Algebra 1 covers the content of the Algebra 1 course in more depth and with more emphasis on applications. In addition, some Algebra 2 topics are covered, including exponential functions, piecewise functions, matrices, linear programming, solving linear equations in three variables, and graphing radical and rational equations.

321 Geometry (required, 10; 9 with special placement) 1 credit

Prerequisites: Algebra 1, Algebra 1 Applications, or Advanced Algebra 1

This course uses undefined terms, definitions, constructions, postulates, theorems and some trigonometry to help students prove statements about geometric figures and relationships between those figures. Additional topics include probability, coordinate geometry and transformations.

328 Advanced Geometry (10; 9 with special placement) 1 credit

Prerequisites: Advanced Algebra 1 with no semester grade lower than a B, or special placement, and department approval

This accelerated course in Geometry is available only to students with strong algebra skills and strong reasoning ability. Advanced Geometry covers the content of the Geometry course in more depth and with more emphasis on analysis. Additional topics include probability, right triangle trigonometry, vectors, law of sines and cosines, and parametric equations and projectile motion.

331 Algebra 2 (11) 1 credit

Prerequisites: Geometry and department approval



This course extends the study of Algebra 2 through two semesters. The course strengthens Algebra 1 skills and develops the concepts of Algebra 2. Topics studied include linear and quadratic equations and inequalities, graphing, polynomial functions, rational expressions, exponents, exponential and logarithmic function, radicals, irrational and complex numbers.

332 Algebra 2 with Trigonometry (11)

1 credit

Prerequisites: Geometry or Advanced Geometry, with no semester grade lower than a C in all previous math classes and department approval

This course includes a review of skills from Algebra 1 and all the essential topics for an Algebra 2 course. It also includes the study of Trigonometry. Topics included are quadratic relations, exponential and logarithmic functions, radical expressions, and analytic geometry.

338 Advanced Algebra 2 with Trigonometry (11; 10 with special placement)

1 credit

Prerequisites: Advanced Algebra 1 and/or Advanced Geometry, with no semester grade lower than a B in all previous math classes and department approval

This accelerated course is available only to the very capable student intending to enroll in AP Calculus. The course encompasses Algebra 2 with Trigonometry and material from the Pre-Calculus course. Topics included are Quadratic, Polynomial, and Rational Functions; Exponential and Logarithmic Functions; Analytic Geometry; Sequences and Series; Probability and Statistics; Trigonometry, Vectors and Polar Coordinates. Emphasis is placed on applications of the topics covered.

341 Trigonometry (elective, 12)

½ credit

Prerequisites: Algebra 2 and department approval

This is a first semester course. The students are introduced to the study of trigonometry using triangle trigonometry. Topics covered include solving right triangles, solving general triangles, and applications. The unit circle, radian measurement, basic trigonometric identities, and graphing trigonometric equations are also covered.



343 Topics in Discrete Mathematics (elective, 12) ½ credit

Prerequisites: Algebra 2 and department approval

This is a second semester course. The students are introduced to the study of probability and statistics and series and sequences. Additional topics may be covered.

342 Pre-Calculus (elective, 12; 11 with special placement) 1 credit

Prerequisites: Algebra 2/Trig and department approval

This course is designed to broaden the student's grasp of mathematics and to provide an ample preparation for the study of college level courses. The following topics are included: complex numbers, polynomial functions, exponential and logarithmic functions, sequences and series, trigonometric functions, matrices, probability, statistics, and polar coordinates.

344 Truman Institute College Algebra (elective, 12) ½ credit

Prerequisites: Algebra 2/Trig with no semester grade lower than a C in all previous math classes, and departmental approval

An additional fee is paid to Truman State University, which provides student software and competency based tests. This fee must be paid at the beginning of the school year. Students must pass each of three Truman State tests with a 70% or better by the published deadlines, in addition to Rosati-Kain's course requirements, in order to pass the course.

This course is a review and study of algebraic topics including equations and inequalities, algebraic, exponential, and logarithmic functions, systems of equations and inequalities. Emphasis is placed on application and review of skills. This is not a course designed to introduce algebra to students for the first time.

345 Truman Institute Plane Trigonometry (elective, 12) ½ credit

Prerequisites: Truman Institute College Algebra

An additional fee is paid to Truman State University, which provides student software and competency based tests. This fee must be paid at the beginning of the school year. Students must pass each of two Truman State tests with a 70% or better by the published deadlines, in addition to Rosati-Kain's course requirements, in order to pass the course.



This course covers the essentials of trigonometry with some applications. Practical skills, problem solving and computational skills are emphasized. Topics covered include solving right triangles, solving general triangles, the unit circle, radian measurement, trigonometric identities, and graphing trigonometric equations.

349 AP Calculus AB (elective, 12; 11 with special placement) 1 credit

Prerequisites: Advanced Algebra 2/Trig with no semester grade lower than a B in all previous math classes and department approval

This course continues the development of advanced mathematics for those students who have successfully completed Advanced Algebra 2/Trig. This course is designed to be comparable to a first semester college course Calculus 1, focused on analytic geometry and calculus of functions of a single variable. Topics covered are limits and continuity, derivatives, and integrals as well as applications of these topics. Students will be expected to understand and present arguments from algebraic, numerical, and graphical perspectives. A significant emphasis will be put on presenting complete and clear technical arguments, not just numerical answers. This course will utilize various forms of technology both in and out of class. A year-end review culminates in the Advanced Placement Exam, typically administered in May. Students will be assessed the fee set by the College Board; the estimated fee is \$96.

SCIENCE (3 credits required)

The Science department offers several options in addition to the three science credits required for graduation. It is possible to take two science courses during the junior and senior years if time and talents allow.

411 Physics 1 (required, 9) 1 credit

Prerequisites: none

This course covers basic topics in physics at the conceptual level: measurement, motion, forces, energy, electricity, and waves and light. Emphasis is placed on measurement and graphing skills, lab work, and scientific inquiry.

**421 Chemistry 1 (required, 10)**

1 credit

Prerequisites: Physics 1

Chemistry is the study of matter and how it changes. A wide range of topics related to this study will be covered. This includes but is not limited to atomic theory, nomenclature, laboratory techniques and reports, energy, bonding, gases, writing and balancing chemical reactions, stoichiometry and reactions in aqueous solutions.

431 Biology 1 (required, 11)

1 credit

Prerequisites: Chemistry 1

This course is an introduction to the life sciences, focusing on the structure and function of organisms and their relationship to the environment. Some of the topics that will be covered include, but are not limited to, biological molecules, cell structure, cell metabolism, genetics, evolution and ecology. Lab activities, group work, and research projects reinforce the material covered in class.

437 Forensics (elective, 11, 12) $\frac{1}{2}$ credit

Prerequisites: None

1 semester

Forensics applies aspects of science and psychology to solving crimes. This is a one-semester course surveying the history, application and ethics of forensics in the U.S. criminal justice system. Class topics include: mock sample collection and analysis, ethics of DNA kits to identify criminal suspects, and history of scientific racism in forensics.

438 Human Anatomy and Physiology (elective, 11, 12)

1 credit

Prerequisites: Cumulative GPA of 3.0/4.0, completion of Chemistry 1, and a thorough completion of summer work questions. These answers must be turned in to the Anatomy teacher on the first day of school. The summer work for Anatomy is an overview of the major concepts of Chemistry needed to understand the concepts of Anatomy. If the summer work is not completed fully and turned in punctually, the student will be dropped from Anatomy.

Human Anatomy and Physiology is the study of the human body and how it functions. After an overview of the basic principles of the cell, students study tissues and then human systems. Emphasis is placed on the functions of each system and how the system is designed to complete its functions. Lab exercises, which include dissections, complement class instruction.

**441 AP Chemistry 2 (elective, 11, 12)**

1 credit

Prerequisites: Algebra 1 and Geometry or higher and Chemistry 1; no math or science semester grade lower than a B; recommendation of the student's current math and science teachers; completion of summer work which will be due on the first day of school. If the summer work is not completed and turned in on time, the student may be dropped from the course.

This course is an advanced placement course designed to prepare the student for the AP Chemistry exam. The course covers the equivalent of one full semester of college Chemistry. The course is rigorous and math-based with a strong laboratory component. It is intended for students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of class. Students are strongly encouraged to take the AP test at the completion of this course. Students will be assessed the fee set by the College Board; the estimated fee is \$96. Please Note: This course cannot be taken in the same year as ACC Physics 2.

439 AP/ACC Biology 2 (elective, 12)

1 credit

Prerequisites: Chemistry 1; completion of Biology 1 with a B for all completed quarters/semesters, and the completion of required summer work which will be due on the first day of school. The summer work is a review of the major concepts of Biology 1. If the summer work is not completed and turned in on time, the student may be dropped from the course.

This course builds upon the concepts of Biology 1 and is an Advanced Placement course designed to prepare the student for the AP Biology Exam. The course will cover college level curriculum topics including cell structure and physiology, cell communication, genetics, evolution and ecology. Students must be committed to studying outside of class to keep up with accelerated pace and reading. Lab exercises and research will complement class instruction. Students are strongly encouraged to take the AP test at the completion of this course. Students will be assessed the fee set by the College Board; the estimated fee is \$96.

440 Eco-Act (elective, 11, 12)

1 credit

Prerequisites: completion of summer workshop offered through the Missouri Botanical Garden.



ECO-ACT is an introduction to environmental science that includes teaching elementary students as well as interacting with the community and the natural environment through action projects, brief and extended field trips and adventure outings in order to learn about environmental issues. Participants develop teaching skills, sustainable and outdoor living skills and learn the tenets of environmental literacy.

444 ACC Physics 2 (elective, 12, 11 if math prerequisite is met)

Prerequisites: Algebra 2/Trig or higher; no math or science semester grade lower than a B; recommendation of the student's current math and science teachers

This course covers the standard topics found in two semesters of college-level algebra based introductory physics courses: mechanics; fluid mechanics; thermal physics; electricity and magnetism and waves and optics. Emphasis will be placed on experimental procedures and scientific inquiry. This is a college credit class so students are expected to do extra reading and practice to prepare for daily class. Students may earn 8 credits through St. Louis University for Physics 1220/1240.

Please Note: This course cannot be taken in the same year as AP Chemistry 2.

FINE ARTS (1 credit required)

The Fine Arts Department offers over twenty courses in visual arts, music, and drama. These courses afford students the opportunity to work creatively as individuals and with others, developing their God-given talents to enrich their lives and serve the community. One credit is required for graduation. All students earn 1/2 credit during the freshman year by enrolling in either Freshman Chorus, Instrumental 1, Instrumental 2, or Performing Ensemble. In the music and drama department, both performing and non-performing drama and music courses are offered. Some courses have prerequisites/auditions.

511 Freshman Chorus (9)

½ credit (Full Year)

Prerequisites: none

Freshman Chorus is a combination of a choral performing arts class and an introduction to music class. Students will develop the ability to sing various choral music styles. Proper breathing techniques, diction, blend, tone quality, and music



reading skills are emphasized. Basic theory and a study of various composers are explored. This is a performing ensemble; the concert serves as the final exam for freshman chorus. Attendance and participation is required for all concert dates.

521 Drawing Skills (elective, 10, 11, 12)

½ credit

Prerequisites: none

This class is intended to develop and enhance students' abilities in drawing through an experimentation of a variety of media. Students will study a variety of drawing techniques and some painting techniques. Students will be encouraged to develop their own person creative vision, while working on refining their artistic skills through traditional studies. Students' experiences will include some of the following: pencil, pen and ink, charcoal, watercolor pencils, chalk pastels, and mixed media. This class is a prerequisite for all art courses excluding Art Foundations (522) and Clay and Crafts (526). Students will be expected to purchase some art supplies.

523 Graphics and Print-Making (elective, 10 in 2nd Sem. only with art teacher approval, 11, 12)

½ credit

Prerequisites: Drawing Skills and teacher approval

Students will study various forms of the Graphic arts such as: Linocut, Monoprint, Layout Design, Computer Generated Design, and Lettering. In addition, students will continue to build drawing skills, work with Design Elements and Principles and study related artists and art movements. Students will need to purchase some art materials.

524 Painting 1 (elective, 10 in 2nd Sem. Only with art teacher approval, 11, 12)

Prerequisites: Drawing Skills and teacher approval

½ credit

Students will study painting techniques in water based media. Some of the materials used will be acrylic paint, watercolor paint and watercolor pencils. Students will study artists and styles in both the historic and contemporary art world. Students will need to purchase some supplies.

525 Painting 2 (elective, 11, 12)

½ credit

Prerequisites: Drawing Skills, Painting 1 and teacher approval

The student will continue to study painting using various water media as in Painting 1, but the content of the work will emphasize problem solving and the development of



the individual's style. Students will be expected to keep sketchbook/journal/notebook and produce research. Students will need to purchase some supplies.

526 Clay and Crafts (elective, 11, 12)

½ credit

Prerequisites: none

This class is open to any junior or senior. The student will spend one quarter creating hand built ceramic pieces and the other quarter will be dedicated to a variety of other crafts. This class does not require any previous art training, only the desire to experience a variety of crafts produced by artisans around the world. The student will be expected to keep a notebook, produce research and attend at least one art show. Students will be required to purchase some craft supplies for projects.

527 Advanced Drawing and Design (elective, 10 in 2nd Sem. only with art teacher approval, 11, 12)

½ credit

Prerequisites: Drawing Skills, at least one other art class and teacher approval

In this class students will continue to develop their drawing skills in a variety of media. Emphasis will be on working towards an individual style and using a creative approach in composition. The work will be of a quality appropriate for college admission. Students will be expected to keep a sketchbook/journal/notebook, produce research and develop a portfolio of at least eight pieces. Students will need to purchase some art supplies.

528 Portfolio Preparation (elective, 12)

½ credit

Prerequisites: Drawing Skills, at least three other art classes and teacher approval

The purpose of this class is to help the student complete a portfolio by the end of first semester of senior year. The class is offered in the first semester. Students not interested in pursuing an art career but wanting to develop their talent may also be admitted to the class. In this class, students will complete a portfolio of at least twelve works, research the admission requirements for various colleges, produce research, and participate in weekly critique sessions. Students will need to purchase some supplies.

529 Independent Studio (elective, 11, 12)

½ credit

Prerequisites: Drawing Skills and two other art classes and art teacher approval



The projects selected for study in this course are chosen and developed by the students with assistance from the art teacher. It is recommended that the student strive to complete a minimum of four art works each quarter. This should enable the student to research and become familiar with the chosen material/medium in which they will focus for the semester. This is an independent class – the student must arrange for two scheduled class periods at which the student and the art teacher will assess the work being produced. It is the responsibility of the student to exhibit to the teacher a degree of advancement in the chosen area of study and in the art work produced. Some possible areas of study are watercolor or acrylic painting, development of drawing skills, figure and portrait works, graphic and advertising design, fashion design, textile design, and illustration. The student will participate in weekly review/critique sessions with the teacher. Independence and use of time both in school and at home will be a consideration in assessing the final outcome of works produced. It is expected that the student give considerable time and energy to every project. Students will need to purchase some supplies.

- 530 Ceramics (elective, 11, 12)** ½ credit
Prerequisites: Drawing Skills

This class will cover the chemical makeup of clay and glazes used to produce both functional and decorative pieces. Students will begin by learning hand building techniques, advancing to throwing techniques and proper wheel use. Students will be expected to spend a substantial amount of time researching and developing project ideas as well as working in the studio outside of class time. Students will not be allowed to have artificial or long fingernails when taking this course, as these will disrupt the throwing process.

- 532 ACC Theatrical Arts (elective, 10, 11, 12)** ½ credit
Prerequisites: meet and sign-up with instructor prior to registering for the class

This semester course will focus on audition skills, theatrical warm-up, Stanislavski and Meisner acting techniques, and dialect/combat work. There will also be a section of the course dedicated to a brief survey of theatre history. Students taking this course will be expected to attend theatrical events outside of the class. This is a college credit class so students are expected to do extra preparation for daily class. Students may earn 3 credits through St. Louis University for the course THR 1000.

**535 American Film Study (elective, 12)**

½ credit

Prerequisites: Approval by instructor; this course has a maximum enrollment of 20 students.

This semester course will focus on the study of American films made before 1980. The class will handle such subject matters as: film making, acting, lighting, directing, screenplay, and many other filming techniques. There will be ten films shown during class and several others assigned independently.

536 Modern and Foreign Film Study (elective, 12)

½ credit

Prerequisites: Approval by instructor; this course has a maximum enrollment of 20 students.

This semester course will focus on the study of Modern American films made after 1980 and multiple films from other nations and cultures. The class will handle such subject matters as: film making, acting, lighting, directing, screenplay, and many other filming techniques. There will be ten films shown during class and several others assigned independently.

551 Advanced Chorus (elective, 10, 11, 12)

1 credit

Prerequisites: acceptance by audition. Students may enroll in the course more than one year.

Students will be introduced to choral music of various styles and from various historical periods. Music reading skills, choral blend, diction, and tone quality will be emphasized, as well as working as part of a cooperative group. This is a performing ensemble; students will sing at various times throughout the year, primarily in the Christmas and Spring concerts.

552 R-K Voices (elective, 11, 12)

½ credit (Full Year)

Prerequisites: acceptance by audition, and recommendations by three teachers. Note: Students in Rosati-Kain Voices must also enroll in Advanced Chorus. Students may enroll in the course more than one year.

This is a small, select ensemble with an emphasis on performance. A variety of musical styles from various historical periods will be explored. Students will advance their music reading and choral singing skills and work closely with those in the ensemble. Students must be willing to perform frequently, often outside of school



time. Performances will include but not be limited to the Christmas and Spring concerts.

- 555 Instrumental 1 (elective, 9, 10, 11, 12)** ½ credit (Full Year)
Prerequisites: none

Students will be provided both small and large group orchestral experiences following basic instruction on a particular instrument. Practice and instruction are the basis of this class. This class does not perform.

- 556 Instrumental 2 (elective, 9, 10, 11, 12)** 1 credit
Prerequisites: basic playing ability on an instrument or desire to begin playing a different instrument. Students may enroll in this course more than one year.

Students will be provided both small and large group orchestral experiences for those who are sufficiently beyond the beginner level. This class does not perform.

- 557 Performing Ensemble (elective, 9, 10, 11, 12)** 1 credit
Prerequisites: intermediate to advanced knowledge and skill on a particular instrument, including guitar. Membership is by audition only. If studying privately, a dated letter from music teacher describing the level of ability as well as length of study with this teacher is required. Students must have their own instrument approved by instructor, or rent from Nottelmann Music Company. Students may enroll in this course more than one year.

Students will be provided both small and large group experiences. Independent musicianship and working cooperatively in an ensemble are emphasized. This is a performing ensemble; students are required to perform in the Christmas and Spring concerts.

PRACTICAL ARTS (1 credit required)

Practical Arts courses are those in which students learn to integrate academic knowledge and skills with pre-vocational, career, and technical knowledge, and to apply them in authentic situations. Practical arts courses include courses of general interest such as computer applications, school publications, and technology education, as well as career and technical education courses.



731 R-K Foundations, Culture and Learning (required, 9) ½ credit (Full Year)

Prerequisites: none

FCL is a collaboration from academic, wellness, and campus ministry faculty. Students will gain knowledge and skills to help them successfully transition from middle school to high school academically, socially, and spiritually. Study skills, computer applications, and effective research strategies will be taught. Students will also learn what it means to be a Rosati-Kain Kougar and how we are called to relate to one another according to our four charisms (core values), Virtus (Virtue), Caritas (Love), Scientia (Academia), and Humilitas (Humility). Faculty will help students with community building, personal wellness, cultural competency, and career exploration. This course is designed to begin the process of educating the WHOLE student within the Rosati-Kain mission.

734 Personal Finance (required, 10, 11, 12) ½ credit

Prerequisites: none

Students will be introduced to the world of money management and finance. By learning about their financial options and responsibilities, they will become knowledgeable about how to handle their money and the consequences of mismanaged finances. This class will assist the students in navigating the financial decisions they face today and tomorrow.

735 Broadcast Journalism/Filmmaking (elective, 11, 12) ½ credit

Prerequisites: Application and letter of intent signed by student and parent/guardian. This course will meet at 7:40 on Mondays, Wednesdays, and Fridays. This course is for 7-9 juniors and seniors per semester. Students will become familiar with film and broadcast terminology and with the various roles in broadcast journalism. They will learn to operate a digital video camera and broadcasting equipment. Students will also develop the skills to create a script for news broadcast and learn to anchor and report on the morning news program. They will be taught the process of filmmaking and learn to edit their work using up-to-date computer software. Students will create documentary and narrative style films.

736 Yearbook 1 (elective, 10, 11, 12) 1 credit

Prerequisites: Students must have 3 teachers complete recommendation forms for them (forms provided by advisor). This class is limited to 16 students.



This full-year course is designed to produce a high-quality yearbook for the school. The course content will include photography, writing skills and layout and design. The students will be required to take photographs at various school events and extracurricular activities. This class is an elective for sophomores, juniors and seniors. There is a \$50 nonrefundable equipment fee required to take this course.

737 Yearbook 2 (elective, 11, 12)

1 credit

Prerequisites: Completion of Yearbook 1 or an interview with and approval by Ms. Anderson.

This class is for yearbook editors. Students will spend time in and outside of class creating a theme, style and layouts of the yearbook. Students will also photograph school events and extracurricular activities as well as mentor Yearbook 1 class members. There is a \$50 nonrefundable equipment fee required to take this course.

750 AP Computer Science (elective, 11, 12)

1 credit

Prerequisites: Geometry or Advanced Geometry with no grade lower than a “C”, or approval of the Computer Science teacher.

This course is based on the syllabus developed by the College Board. Topics include program design and implementation, algorithm analysis, standard data structures, and object-oriented programming design. AP Computer Science utilizes Java to learn programming methodology with an emphasis on problem solving and algorithm development. It is intended to serve both as introductory courses for computer science majors, and for students who will major in disciplines that require significant involvement with computing.

752 LaunchCode 101 HS: Computer Science (elective, 11, 12)

1 credit

Prerequisites: Geometry or Advanced Geometry with no grade lower than a “C” and approval of instructor.

In partnership with LaunchCode, this full year course will focus on foundational structures of code to solve problems in the Python programming language as well as at least one skill track language (HTML). Students will create programs from scratch and learn to effectively use common developer tools and implement best practices to write professional-quality code.



PHYSICAL EDUCATION/HEALTH (1.5 credits required)

- 821 Physical Education (required, 10, 11, 12)** ½ credit
Prerequisites: none

This class is completed outside of the regular school day with one of two options. Virtual P.E. may be taken during the school year. Students in virtual P.E. complete an assigned number of minutes of physical activity each week, providing evidence of completion to the instructor. Alternatively, students may complete a two-week summer P.E. program that takes place in various locations in Forest Park and St. Louis. Summer P.E. schedules are announced and registration takes place in May; an additional fee is required for summer P.E.

One semester of virtual P.E. or one summer P.E. session is one half-credit. Students must complete P.E. two times during their sophomore, junior, and/or senior years to receive the full credit required for graduation.

- 822 Health (required, 10)** ½ credit
Prerequisites: none

This class provides students with basic information needed to develop and maintain lifelong physical health and overall wellness skills. Students will use this information as tools for respecting their bodies as God intends. Topics of study include personal nutrition, harmful effects of alcohol and other drugs, female reproductive health in accordance with Church teaching, and society's influence on decision-making in general.

WORLD LANGUAGES (2 credits of the same language required)

The World Languages Department offers French 1 through 5 and Spanish 1 through 5. French 3 through 5 and Spanish 3 through 5 are electives for those who have successfully completed 1 and 2. There is an option for upperclassmen to take 1 and 2 of the second language with departmental approval. Two years of the same language are required. Advanced college credit is available in each language through St. Louis University. (Students receiving college credit must be juniors or seniors, in accordance with SLU regulations.)

**911 French 1 (required, 9; elective, 11)**

1 credit

Prerequisites: none

Focusing on communication in everyday situations, this course will make possible the development of the four language skills: listening, speaking, reading, and writing. It increases students' knowledge and appreciation of diverse cultures in French-speaking countries. Teaching and learning resource include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

921 French 2 (required, 10; elective, 12)

1 credit

Prerequisites: successful completion of French 1

Focusing on a more varied vocabulary, this course stresses more complex forms of grammar, an increase in listening and reading skills and paragraph writing. It continues to increase students' knowledge and appreciation of diverse cultures in French-speaking countries. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

939 French 3 (elective, 11)

1 credit

Prerequisites: successful completion of French 2 with at least a B average and approval of French 2 teacher.

This course may be taken for Advanced College Credit from St. Louis University. It is designed to review basic grammar and to emphasize advanced grammar in conversation, reading and writing. Readings include works of literature and historical material about French culture. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

(Option: 3 hours college credit. Departmental approval required.)

949 French 4 (elective, 12)

1 credit

Prerequisites: Successful completion of French 3 with at least a B average and approval of French 3 teacher

This course may be taken for Advanced College Credit from St. Louis University.



Civilization and culture are emphasized in studying an anthology of literary works. A good command of the four skills should be achieved at this time. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook. (Option: 6 hours college credit. Departmental approval required.)

951 French Seminar (elective, 12) 1 credit

Prerequisites: Successful completion of French 4 with at least a B average and approval of French 4 teacher

This course is structured to meet the needs of advanced students. It includes the reading of literature, compositions on topics from literature, and oral and listening skills practice using resources that include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook and readings.

961 Spanish 1 (required, 9; elective, 11)

1 credit

Prerequisites: none

Students learn basic grammar (present tense) and vocabulary with an emphasis on elementary conversation. Varied techniques are employed, including visual presentation of new vocabulary, oral repetition, practice in writing, and listening/speaking exercises. Cultural topics and map study are introduced to encourage understanding of the Hispanic world. Current issues relating to the Hispanic community are also addressed. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook.

972 Spanish 2 (required, 10; elective, 12)

1 credit

Prerequisites: Successful completion of Spanish 1

Level 2 Spanish continues to build upon the basic foundation of Spanish 1. More complex grammatical concepts are introduced, including the preterite, imperfect, and progressive tenses. Intensive practice in writing, speaking and listening is provided daily. Readings in Spanish are more sophisticated and include topics of cultural significance in the Hispanic world. Participation in community events is encouraged. Teaching and learning resources include visual aids, games, stories, music, video and



audio materials, computer programs and interactive technology to supplement the textbook.

989 Spanish 3 (elective, 11)

1 credit

Prerequisites: Successful completion of Spanish 2. Three factors apply: A minimum 3.0 cumulative GPA, a minimum 3.5 GPA in all previous Spanish courses (semester grades of at least 90%), and departmental approval. Enrollment in this class may need to be limited.

Spanish 3 emphasizes advanced grammar and more complex vocabulary. Readings focus on realistic subject matter reflecting Hispanic culture and occasionally include short works of literature. Increased participation in community events is encouraged. Students are required to express themselves in original compositions, skits, and free conversation. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook. (Option: 3 hours college credit. Departmental approval required)

999 Spanish 4 (elective, 12)

1 credit

Prerequisites: Successful completion of Spanish 3. Three factors apply: A minimum 3.0 cumulative GPA, a minimum 3.5 GPA in all previous Spanish courses (semester grades of at least 90%), and departmental approval. Enrollment in this class may need to be limited.

Spanish 4 completes the formalized study of Spanish grammar and emphasizes more abstract vocabulary and subjective topics for discussion. Readings focus on historical material providing a background in Hispanic culture and geography. Students are required to express themselves in original compositions, oral presentations, conversations and class discussions. Teaching and learning resources include visual aids, games, stories, music, video and audio materials, computer programs and interactive technology to supplement the textbook. (Option: 6 hours college credit. Departmental approval required.)

991 Spanish Seminar (elective, 12)

1 credit

Prerequisites: Successful completion of Spanish 4 with at least a B average and approval of Spanish 4 teacher. This course is structured to meet the needs of advanced students. The course emphasizes the study of Hispanic literature and writings, using an anthology of Spanish literature and selected abridged texts, as well as developing



conversation and presentation skills on academic topics. Teaching and learning resources include visual aids, music, video and audio materials, computer programs and interactive technology to supplement the textbook and readings.

COLLEGE CREDIT AVAILABILITY

Students may be limited as to the number of college credit courses they may take. This is up to the discretion of the Counseling Department and the administration.

Advanced Placement Program (AP):

Administered by the College Board, an AP course covers material similar to a college-level course and prepares students to take an exam that can earn them college credit or advanced placement. All colleges are familiar with AP curriculum standards. Students must check with colleges to determine the particular school policy regarding AP credit and qualifying scores.

Additional fees apply for AP testing and college credit classes.

Advanced College Credit (ACC):

Saint Louis University *

Course Title

Communicating in French 1 (11)	3 credits
Communicating in French II (12)	3 credits
Intermediate French: Language and Culture (12)	3 credits
Communicating in Spanish 1 (11)	3 credits
Communicating in Spanish II (12)	3 credits
Intermediate Spanish: Language and Culture (12)	3 credits
Advanced Strategies of Rhetoric and Research (12)	3 credits
Introduction to Literature (12)	3 credits



American Politics (12)	3 credits
Comparative Politics (12)	3 credits
History of the U.S. to 1865 (11)	3 credits
History of the U.S. Since 1865 (11)	3 credits

Physics 1220 (12)	4 credits
Physics 1240 (12)	4 credits

Approaching the Arts: Theatre THR1000 (12, 11, (10 with special permission)	3 credits
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* Credits earned through Advanced College Credit programs may be transferable to other U.S. colleges and universities. Students must check with prospective colleges to determine the particular school's policy regarding advanced credit. Saint Louis University charges tuition for each credit hour.

Truman State University

Math 156	College Algebra	3 credits
Math 157	Plane Trigonometry	2 credits

Competency-Based Mathematics is a program offered by The Truman Institute that gives eligible students at participating high schools the opportunity to earn college credit from Truman State University for College Algebra (Math 156) and Plane Trigonometry (Math 157) at a discounted tuition rate using an innovative software program from Hawkes Learning Systems. The software and its tests ultimately decide whether competency has been met for the purposes of Truman credit. There is an additional fee for this class.