

Saint Louis School



COURSE CATALOG GRADES 6-12

2012-13



INTRODUCTION

Since 1846, Saint Louis School has served as an integral component of the foundation of education in Hawai'i. The school continues this tradition while keeping pace with the evolving demands of a global society that becomes increasingly connected through technological advances and socio-political change. Providing a well-rounded curriculum that offers rigor and relevance to young men is an underlying force that prepares students for steward leadership in the Marianist philosophy of education. This catalog provides a summary overview of the courses offered for all grade levels.

BUSINESS & TECHNOLOGY

Business Communication Skills Grades 10-12 (1 semester)

This course is designed to enhance technical and communication skills. Students will develop writing skills through exercises tailored for business but also useful in the classroom. They will learn how to maximize use of computer programs (MS Office, Mac, Google Docs, etc) to create resumes, presentations, reports, and other business tools. Ethical group work principles and effective time management will also be covered.

Personal Finance Grades 10-12 (1 semester)

This course is designed to help students understand how their individual choices affect their financial future. Topics covered will include income, money management, spending and credit, as well as saving and investing. This course will provide a foundational understanding for making informed personal financial decisions, and will better prepare students for life on their own after high school.

Accounting Fundamentals Grades 10-12 (1 semester)

**Pre-requisite: Must complete Algebra I with a C or better to enroll.* This course introduces basic accounting principles for a business. Students will complete the accounting cycle, learn methods of cash control, and prepare payroll records. A hands-on simulation operating an on-campus financial institution enhances the course experience. Upon completion, students should be able to demonstrate an understanding of ethical accounting principles and apply those skills to a business organization.

Marketing/Advertising Grades 11-12 (1 semester)

Students will study the basic concepts of marketing (product, place, price, promotion) products and services in a global market place. Topics will also include branding, market research, and ethics in advertising. Practicing techniques and methods of advertising in a real business situation will help students gain a comprehensive understanding of 21st-century marketing efforts.

Entrepreneurship Grades 11-12 (1 semester)

This course exposes students to creating new and innovative business ideas and models based on real-world simulations and situations. The course covers creating business plans, advertising, finances, legal issues, selling, and market research that are applied towards a complete business plan. Case studies, guest speakers, and simulations help to enrich a student's experience in the course.

Business Practicum Grades 11-12 **(1 semester)**

Prerequisite: Must complete 3 business-related courses (excluding economics) with a C or better to enroll

This course is designed to be the culminating experience for seniors who have completed at least 3 semesters of Business-related courses. Students will operate an on-campus business entity for the entire semester, developing their experience in the areas of operations, finances, marketing, and management. Grading will be determined by both individual and group performance with the desired outcome being a real-world business experience.

Economics Grades 12 **(1 semester)** *cross-listed with Social Science*

This course introduces students to the principles of economics. Students study the basic problem of scarcity and how each society deals with it. Topics include supply and demand, production factors, marketing, labor, role of government, money and banking, a study of Hawaii's economy and its role in global economics. *This course qualifies as fulfillment of 1/2 credit of the social science graduation requirement.

Advanced Placement Economics: Macroeconomics/Microeconomics Grade 12 **((1 year) - alternating years)**

Macroeconomics: Macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Additional AP Exam and materials fee of \$125.00

Microeconomics: Microeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

Additional AP Exam and materials fee of \$125.00

ENGLISH LANGUAGE ARTS

English 6 **(1 year)**

The course focuses on the theme of *Change* – personally, locally, and globally. Aligned with the CollegeBoard's SpringBoard curriculum, students begin expanding their cognitive skills of evaluation and analysis by looking at language and how writers use descriptive words and sentence construction. Students develop their own sense of voice as they write paragraphs, short essays, stories, and poetry. Deep reading and analysis of multiple genres enhance their reading skills and build their vocabulary.

English 7 **(1 year)**

The course focuses on the theme of *Choices*, and their effects on people's lives. Aligned with the CollegeBoard's SpringBoard curriculum, students extend their exploration of the role of personal voice in writing. Through consistent practice and learning strategies, students continue to hone their reading and writing skills. Oral presentations and collaborative work give them opportunities to improve interpersonal communication skills as well as more formal presentation skills.

English 8 (1 year)

The course focuses on the theme of *Challenge* – personally, locally, and globally. Aligned with the CollegeBoard's SpringBoard curriculum, students focus on analysis of heroic archetypes and character traits, while also reading and evaluating elements of both fiction and nonfiction texts. Students' speaking, listening, and performance skills are enhanced with opportunities for both formal and informal presentations.

English 9 (1 year)

The course focuses on the theme of *Coming of Age*. Aligned with the CollegeBoard's SpringBoard curriculum, students build on their knowledge of literary elements in traditional literary genres, study the relationship between narrative voice and style, while also analyzing literary and stylistic elements in film and literature.

Honors English 9 (1 year) *Enrollment by teacher/student/parent recommendation and test scores.*

English 10 (1 year)

The course focuses on *Culture and Community*, and examines how these concepts shape identity and perspective. Aligned with the CollegeBoard's SpringBoard curriculum, students read and analyze works of world literature, with emphasis on analysis of how stylistic choices and rhetorical elements develop tone in persuasive and argumentative texts.

Honors English 10 (1 year) *Enrollment by teacher/student/parent recommendation and test scores.*

English 11 (1 year)

The course focuses on American fiction and nonfiction, using literary and other texts to analyze the concept of the *American Dream*. Aligned with the CollegeBoard's SpringBoard curriculum, students research historical and contemporary texts as they articulate the origins and impact of the ideals and realities of the American Dream on life today and on personal thinking. Students are expected to articulate personal convictions and propose solutions to social issues through various forms of writing.

English 12 (1 year)

The course capitalizes on the skills students have gained as interpreters and analyzers of texts by introducing them to multiple perspectives through which to view text. Students are asked to broaden their understanding and their interpretive skills by thinking deeply about themes and ideas from multiple perspectives. Using historical, cultural, Feminist, Marxist, and Archetypal criticism, students learn to view texts through some of the filters that result in multiple

interpretations of the same text or media story. Students apply the theories of criticism to their own reading and to interpretation of both fiction and nonfiction texts.

Advanced Placement Language and Composition Grade 11 **(1 year)**

The course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way basic conventions and the resources of language contribute to effectiveness in writing.

Additional AP Exam and materials fee of \$125.00

Advanced Placement Literature and Composition Grade 12 **(1 year)**

The course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

Additional AP Exam and materials fee of \$125.00

English LA Electives

Speech (required Freshman Seminar) **(1 semester)**

This is a one-semester course which is designed to give intensive training in presenting prepared and impromptu speeches. It is a skill course that touches upon: formal speeches to inform and persuade or influence actions; audience analysis and use of strategies to create rapport and develop common understandings; planning for achieving purpose, assessment of progress, and revision of actions when communication breaks down; use of verbal and nonverbal language to create rapport and establish credibility with an audience; and use of pronunciation and grammar appropriate to audience, purpose, and situation.

Creative Writing **(1 semester)**

This course gives students the opportunity to produce original pieces of writing that span a variety of genres. There is less emphasis on the standard conventions of writing, as students explore different ways of expression through short stories, non-fiction, and poetry.

Journalism Grades 9-12 **(1 semester)**

Prerequisite: Instructor approval

Students learn to interview sources, collect information, write and edit news stories and arrange effective layout. They also write features, sports stories and commentaries. Other skills involve composing headlines and applying multi-media and web programs. Student work forms the corpus of content for the quarterly publication *Collegian*. (This course does not replace English course requirements for graduation).

Journalism II and III Grades 9-12 (1 semester)

Prerequisite: Instructor approval and/or Journalism I.

Students who continue in journalism courses assume editorial responsibilities and assist in peer learning. Management of the *Collegian* is a primary expectation under the guidance of the instructor. Students collaborate with Photojournalism (see Fine Arts) course to produce the quarterly student publication. (Journalism II and III do not fulfill the graduation requirements for English credit).

Poetry Grades 11-12 (1 semester)

Students engage in various aspects of poetry. Traditional, structured and free verse forms are analyzed, with students writing and performing original pieces. Participation in poetry slams gives students the opportunity to experience a unique and artistic form of expression.

Reading/Writing Lab Grades 11-12 (1 year)

The course is a comprehensive course designed to further develop grade level appropriate critical reading skills, reading comprehension, and writing skills for Grade 11 students. Students will be expected to understand and apply reading strategies, analyze and critique literature and various texts, understand the writing process, and refine skills to write for a variety of purposes.

Speech and Debate Grades 11-12 (1 year)

This elective course is for students who wish to master the art of public speaking through active participation in the forensic (speech & debate) program. The course includes refinement of verbal skills and requires students to concentrate on and perfect a particular aspect of public communication (interpretation, oratory, or debate). This class is designed to prepare students for competitive speaking and debating.

ENGLISH AS A SECOND LANGUAGE

English as a Second Language (ESL) courses are available for non-native speakers entering grades 6, 7, 8, and 9. Content focuses on conversational skills, listening and speaking, grammar, reading and writing. Based on the initial placement test and writing sample, each student is enrolled into courses at the beginning, intermediate or advanced level. As language proficiency develops, students are mainstreamed into non-ESL classes, such as fine arts, physical education, music and mathematics

ESL Reading (1 semester)

This course is designed to develop the student's proficiency with decoding, vocabulary, reading comprehension, reading strategies, and literary analysis. Students will become familiar with the academic language of literature analysis, be exposed to different literary genres, and analyze different texts through various assignments and projects.

ESL Resource (1 semester)

This course is designed to familiarize students with skills required for academic success. The course integrates grammar instruction, vocabulary building, presentation skills, study skills, and all four areas of English language proficiency (reading, writing, speaking, and listening). The course is also designed to provide support to students in other content areas as needed.

ESL Seminar (1 semester)

This is an integrated skills course designed to assist students in all proficiency areas of English. Through a variety of expressive activities, research projects, written assignments, and oral presentations, students will have a wide range of learning opportunities to expand oral English language skills, literacy, and writing. American and local cultures are emphasized throughout the course.

FINE ARTS / MUSIC / PERFORMING ARTS

Introduction to Fine Arts Grade 8 (1 semester)

This is an introductory course to Art in the Middle school. Experiences include experimentation in 2 dimensional and 3 dimensional wet and dry media such as pencil, pen, or brush and ink, crayon, and chalk; and media such as water color, tempera, synthetics, polymer, acrylics, and mixed media. Activities emphasize the development of each student's technical skills and interpretation of one's own expression. Projects include but are not limited to linear perspective, human proportion and self-portraits, still life drawing, and landscapes. Students will be exposed to the importance of art history as it relates to the principles and elements of art. They will be introduced to basic ceramics for beginners. Students will learn to create basic hand built forms such as a pinch pot, slab form, coil design, and hand built figure. They will learn to use tools made for ceramics and to create items using elements and principles of design.

Introduction to Drawing and Painting (1 semester)

This course includes experimentation in wet and dry media such as pencil, pen, or brush and ink, conté crayon, and chalk; and media such as water color, tempera, synthetics, polymer, acrylics, and mixed media. Activities emphasize the development of each student's technical skills and interpretation of own expression. Projects include linear perspective, human proportion and self-portraits, still life drawing, and landscapes. Students will be exposed to the importance of art history as it relates to the principles and elements of art. A nominal fee may be assessed for expendable materials/supplies.

Ceramics I Grades 10 – 12 (1 semester)

This course is an introduction to ceramic forms using hand-building and wheel-throwing techniques, decorating and glazing. Other alternatives to firing ceramic ware will be explored. Clay will be the basic medium.

Ceramics II Grades 10 – 12 (1 semester)

Pre-requisite: Ceramics I.

The second level of ceramic sculpture introduces the student to advanced throwing and/or hand-building techniques. There will be experimentation with glazing techniques and alternative firing processes. Mixing of glazes, loading, unloading and firing of ceramic kilns will be required.

Digital Photography I Grades 11-12 **(1 semester)**

Students are exposed to the historical development of photography with an emphasis on concepts, foundation and achievements of photography as a medium of Fine Arts. They are instructed in the fundamentals of camera operation, anatomy of the camera, photo technique, digital photography and Adobe Photoshop program.

Digital Photography II Grades 11-12 **(1 semester)**

Pre-requisite: Digital Photography I

Elements and principles of photographic composition and design are used to create photographs as works of art. Camera-person will develop skills as a Technician photographer and as an Artist photographer using personal creative talents and digital manipulation of images using the computer.

Advanced Digital Photography/Photojournalism Grades 11-12 **(1 year)**

Prerequisite: Digital Photography I, Digital Photography II or Instructor Approval

This course includes photographing school and outside events for the school yearbook, newspaper, and other school publications. Students must be dedicated, responsible, and willing to spend time outside class or school to record a variety of school activities and events. Subjects covered will include, but not limited to: programs, activities, assemblies, sports, arts productions, etc. Students must be able to work independently and as a team. Most photographic equipment will be provided to the students but must be returned in like condition and working order. It is advised but not mandatory that students have their own camera to avoid shortages in the classroom.

Videography Grades 10-12 **(1 year)**

Video Production course will provide students with a basic understanding of the technology behind video as an information medium, and some of the ways in which it is created to achieve its desired effect on an audience. Upon completion, students should be able to demonstrate a variety of production skills and techniques as it relates to producing a variety of video formats.

Introduction to Ukulele Grades 7 & 8 **(1 semester)**

Students will learn to play the Ukulele as a solo musical instrument and as part of an ensemble. The course is an introduction to the instrument, learning to play open string melodies and rhythms, understanding and applying the pentatonic scale, reading and understanding simple rhythm and note values, thumb picking technique, playing parts together, singing while playing, developing a good tone, and understanding beginner music theory. By the end of the course students will be able to play single note melodies, sing while playing, and sight read simple musical parts as part of an ensemble.

Middle School Band Grades 7 - 8 (1 year)

Students learn the techniques of playing instruments, working to develop ensemble and solo performances. Tonal quality and technical facility are developed. Students discuss and constructively comment on their own performances and on the performances of the band.

Band I Grades 9-12 (1 year)

Prerequisite: Previous music instruction and director's approval and/or completion of Beginning Band or equivalent.

This continuation of Beginning Band emphasizes proper breathing, tone control, reading skills, and development of the embouchure. Students learn the second level of instrumental music with emphasis on wind and percussion instruments. This class will satisfy one year of Fine Arts for middle school students (high school students earn elective credit).

Concert/Marching Band Grades 9-12 (1 year)

Pre-requisite: Successful completion of Intermediate Band or equivalent.

Students study the 3rd – 6th levels of instrumental music with emphasis on wind and percussion instruments. Students will also apply kinetic movement to music. These classes earn elective credit; if taken with Marching Band, students may also receive P.E. credit in their junior and senior years.

Intro to Chorale Grade 6 (1 semester)

The intro to chorale class is designed for beginning singers and those new to the Saint Louis School. As the voice is our first instrument, we will explore what it means to make music with our God given instrument. Breathe support, basic music theory including learning how to read notes and rhythm as well as aural skills and dictation will be introduced. The class will participate in at least one major concert during the semester, as well as singing during one or two masses. There are often additional engagements that the class will participate in including, but not limited to state-wide festivals, school sponsored and donor events, sports events and other opportunities to showcase the talent of Saint Louis men.

Intro to Performing Arts I Grade 7 (1 semester)

After building a foundation of chorale and group singing, students in the performing arts I class will explore others areas of performing arts such as dance and theatre. Collaborations with outside organizations such as the Hawaii Opera Theatre will allows students to gain hands-on experience in the production of various staged events. Those fortunate enough to take part of the HOT residency (offered only once a year) will audition and take part in a fully staged production put on by the class. This is in addition to the final concert and smaller engagements throughout the semester.

Intro to Performing Arts II Grade 8 (1 semester)

Building on the foundation of Performing Arts I, the class will explore in more depth the skills needed for stagecraft and character development. In addition to singing, students will be performing dance numbers and various scenes from selected plays and productions. Students will

also explore the concept of improve theatre and slam poetry with occasional guest artist. During the HOT residency project (offered once a year) students in the PAII class will be assisting with set design and

Applied Music – Hui O Nā ‘Ōpio (1 year) *cross-listed with Hawaiian Studies*

Prerequisite: C or better in Hawaiian Language I, or teacher recommendation.

Students study the Hawaiian language and culture through oli, mele, and hula. Students will apply the knowledge learned through various media in order to perpetuate the culture and traditions. Oli and hula form the primary focus of this course.

Digital Audio Production and Music Technology gr. 11 – 12 (1 semester)

This course offers an introduction to hardware and software used in music production today with a special emphasis on how computers are involved in recording, editing and mixing digital audio. Topics include software based music production, sound design, looping, mastering and live sound reinforcement.

Students will be responsible for setup, running and breakdown of various events throughout the school year utilizing the techniques learned in this course. From creating radio commercials, backgrounds for visual projects and constructing entire songs from loops and other elements of audio inputs, students will learn a variety of skills common in the music production field today. These skills are directly applicable to jobs in the world of radio, film, television and theatre. Advanced students will work with specialist in the field to further their training.

Acting I – II Grades 10-12 (1 semester)

This course is designed to enhance understanding of life through the study and performance of dramatic works. Emphasis is on developing student's ability to express themselves freely and establish personal criteria for critical evaluation of drama activities. Students gain insight into a broad spectrum of theatre through study of various phases of play production.

Stagecraft I Grades 10-12 (1 semester)

This is an arts participation course designed to teach the basic skills, concepts, and methods used to produce modern theatrical productions. The class will also provide students the opportunity to strengthen the powers of concentration, focus, analysis, imagination, creativity and empathy that are critical to every art form.

Stagecraft II Grades 11-12 (1 semester)

Pre-requisite: Stagecraft I. This course is designed to teach advanced skills, concepts, methods and techniques used to produce modern theatrical productions. The class will also provide the opportunity to experience live theatre up close, either as a participant or spectator, to develop a full appreciation of the art form.

Hawaiian III Grades 10-12 (1 year) *Cross-listed with World Language*

This honors level course is designed to deepen a student's understanding of the Hawaiian language and culture. Lessons will include Hawaiian readings and the development of creative writing skills. Students will also do translation work on reading materials for Hawaiian immersion students. Tutoring of beginning language learners will be expected.

ARMY JROTC LEADERSHIP EDUCATION TRAINING (LET)

The JROTC curriculum is based upon a systematic progression of learning. The scope, focus and content of instruction is both sequential and independent. The leadership unit of instruction allows for one of many training opportunities for cadets to exercise a student chain of command. Fourth year cadets act on guidance from the Senior Army Instructor or Army Instructor to plan, prepare, and execute training and prepare for assigned tasks and conduct training for younger cadets. Third year cadets learn instructional techniques, and more advanced styles of leadership. First and second year cadets receive education and training. Training is designed to enhance skills, knowledge, and abilities, of cadets and reinforce instruction in leadership theory.

LET 1 Grades 9-12 (1 year)

This course introduces American symbols, customs and traditions and the history and purpose of Army JROTC. Students study the essential skills needed to maximize learning potential and future success. Over the course of the first semester, students individually assess their current skill sets and work to develop maximum potential. The course includes opportunities to apply learning theory and techniques to improve study, communication and planning skills. LET 1 students also explore social responsibility, conflict resolution, and service learning opportunities.

LET 2 Grades 9-12 (1 year)

This course helps develop an appreciation for the importance of physical fitness in maintaining good health and appearance. Cadets learn basic information about nutrition and exercise in addition to first aid for emergency and non emergency situations. This includes an introduction to drug awareness: the use and effect of drugs, alcohol and substances. Values and principles that underlie good citizenship are studied with emphasis on topics such as the importance of the United States Constitution and Bill of Rights; responsibility of U.S. citizens; basic national values; the U.S. federal justice system; and service to the community. In conjunction with citizenship, cadets are introduced to a variety of significant events and historical figures that contributed to our citizenship and American history.

LET 3 Grades 9-12 (1 year)

This course will help to further understand and apply basic leadership skills (principles, styles, values, the BE, KNOW and DO attributes). Cadets will have the opportunity to demonstrate, be assessed on, and evaluated on their leadership potential through the application of these concepts in command or staff positions. The course introduces the communication process among individuals as well as principles of writing, speaking, and listening. Students will describe the basic principles necessary for preparing and presenting effective oral communications and will have numerous opportunities to present information/ideas orally and in writing. The course

introduces basic guidelines for managing conflict and communication skills necessary for finding solutions to resolve conflicts.

LET 4 Grades 9-12 **(1 year)**

This course continues to build cadets' leadership development by concentrating on basic individual leadership responsibilities/techniques and introducing the responsibilities of team leaders. Cadets will have the opportunity to identify the impact of their actions on themselves as well as on other team members in the areas of individual responsibility, self-reliance, followership, and team work. Cadets will be introduced to the basic principles of management, how leaders use these principles, to effectively manage resources, and the basic differences between leadership and management techniques. Students will deliver instruction using accepted principles and methods of instruction. Students will develop lesson plans and graphic organizers; recognize how to determine the material that they must review and rehearse prior to delivering instruction.

MATHEMATICS

Middle School Mathematics

Middle School students take a mathematics course each year. We strive to provide each student with a strong foundation in basic skills and problem-solving skills as we get them ready to move into the high school. Eighth grade students enrolled in Algebra I receive high school credit. All placements are made through testing and department recommendation. All middle school courses are year-long.

MATH 6 Grade 6 **(1 year)**

In this course, students learn to model functions in numerical, symbolic (equation), table, and graphical forms; communicate mathematics in writing and verbally, justifying answers and clearly labeling charts and graphs; explore and represent data in a variety of forms; use multiple representations to communicate their mathematical understanding.

MATH 7 Grade 7 **(1 year)**

In this course, student acquire an algebraic and graphical understanding of functions; write, solve, and graph linear equations; recognize and verbalize patterns; and model slope as a rate of change; communicate clearly to explain methods of problem solving and to interpret results; and investigate concepts presented visually and verbally.

MATH 8 Grade 8 **(1 year)**

The course is designed to prepare the student for the first course in algebra. The course includes writing algebraic models from a variety of physical, numeric, and verbal descriptions; solving equations using a variety of methods; justifying answers using precise mathematical language; relating constant rate of change to verbal, physical, and algebraic models; using technology to solve problems; reinforcing and extending the vocabulary of probability and statistics.

High School Mathematics

Three credits of mathematics are required for graduation. These three credits must include the successful completion of Algebra I, Geometry, and Algebra II. All courses are one-year long and earn one credit upon successful completion, except as noted. Math courses are geared toward preparing students for Advanced Placement for those who wish to pursue it. Courses are rich in reading, writing, problem-solving and critical thinking and include many applications of mathematics to the real world.

ALGEBRA I Grades 8 -10 **(1 year)**

Prerequisite: Department placement or recommendation.

A beginning course in Algebra with the primary purpose of preparing the student for the future mathematics courses outlined for work in mathematics and science. The student will gain an understanding of the properties of real numbers; formalize the language of functions; explore the behavior of functions numerically, graphically, analytically, and verbally; use technology to discover relationships, test conjectures, and solve problems; write expressions, equations, and inequalities from physical models; and communicate mathematics understanding formally and informally. A grade of C or higher will be required in order to be approved for enrollment in Algebra II.

Honors Algebra I **(1 year)**

Enrollment by teacher/student/parent recommendation and test scores.

GEOMETRY Grades 9 -11 **(1 year)**

Prerequisite: Successful completion of Algebra I and department placement or recommendation.

This course is designed to acquaint the student with the geometric properties in mathematics necessary for further work in the field. The student will read, analyze, and solve right triangle and trigonometric functions within contextual situations; develop area formulas necessary for determining volumes of rotational solids, solids with known cross sections, and area beneath a curve; and explain work clearly so that the reasoning process can be followed throughout the solution.

Honors Geometry **(1 year)**

Enrollment by teacher/student/parent recommendation and test scores.

ALGEBRA II Grades 10 -12 **(1 year)**

Prerequisite: successful completion of Algebra I and Geometry

This course studies the algebraic procedures used in coordinate geometry and analytic trigonometry. Emphasis is placed on the structure and methods of algebra and on general concepts such as the complex number system, a variable and a function. Connections are made between mathematics and the real world through many application problems. The use of the graphing calculator is integrated throughout the course. The student will develop the algebra of functions through operations, composition, and inverses; read and analyze contextual situations involving exponential and logarithmic functions; work with functions graphically, numerically,

analytically, and verbally; learn optimization problems; Compare the relative rate of change of linear and exponential functions; learn the concept of infinite sum as a limit of partial sums; and work with statistics in numerical summaries, calculations using the normal curve, and the modeling of data.

PRE-CALCULUS I Grades 11-12 **(1 year)**

Prerequisite: C in Honors Algebra II, B in Algebra II, and department recommendation.

This is an advanced course in the study of pre-calculus mathematics. The student will gain an introductory understanding of convergence and divergence; collect, analyze, and draw conclusions from data; solve problems in contextual situations dealing with polynomial, rational, logarithmic, and trigonometric functions; model motion using parametric equations and vectors; develop an intuitive understanding of the limiting process and of continuity; justify his reasoning and understanding verbally, in writing, and with models; use technology to explore and support conclusions.

HONORS PRE-CALCULUS II Grades 11-12 **(1 year)**

Prerequisite: B in Algebra II, or C in Honors Algebra II

Advance Placement CALCULUS AB/BC Grades 11-12 **(1 year)**

Prerequisite: C in Geometry and department recommendation. This course is intended for students who have a thorough knowledge of college preparatory mathematics including algebra, axiomatic geometry, trigonometry and analytic geometry. It is not assumed that they have acquired a sound understanding of the theory of elementary functions. Students are encouraged to take the Advanced Placement test in Calculus to earn college credit.

Additional AP Exam and materials fee of \$125.00

MATH CONCEPTS AND STRATEGIES I Grade 12 **(1 semester)**

Prerequisite: B+ in Algebra I.

This course is designed to give students techniques for solving mathematical problems. The course includes topics from Algebra and Geometry. The students will present and discuss their solutions throughout the course. This course may be taken concurrently with any math course beyond Algebra I. This course does not satisfy the mathematics graduation requirement.

MATH CONCEPTS AND STRATEGIES II Grade 12 **(1 semester)**

Prerequisite: successful completion of Math Concepts and Strategies I

This course is a continuation of Math Concepts and Strategies I. It explores various topics from Algebra II, trigonometry, and other math courses. In addition, the student will be better prepared for the ACT, SAT, and SAT subject tests in math. This course does not satisfy the mathematics graduation requirement.

SAT MATH PREP Grades 11 -12 **(1 semester)**

Prerequisite: none

This course is designed to give the student a review of the types of math problems that commonly appear on the PSAT and SAT exam. We will go over test-taking strategies, discuss the SAT format in detail, and take many SAT-type tests throughout the course. The student will

look at the three different types of SAT sections while reinforcing the math concepts studied in his math classes. Many practice opportunities, under similar testing setting, will be given so that the student is familiar with and comfortable with the test. If time allows, we will also examine the verbal portion of the exam.

SURVEY OF MATH Grades 11-12 (1 semester)

Prerequisite: Geometry and teacher recommendation

This course is designed to cover topics in math that are sometimes not covered in other courses. It gives the student a different look at mathematics, including some math tricks and games. Some of the topics covered are number sequences, number tricks and deductive reasoning, functions, logarithms, symmetry and regular figures, mathematical curves, methods of counting, permutations, combinations and probability, among others.

PHYSICAL EDUCATION, HEALTH & JROTC

The Physical Education department focuses on the development of each student's fitness and individual motor skills through the use of individual and team sports. All PE classes will use fitness testing as part of their assessment of each student. The one-semester Health class is a required course for graduation. All Health students will be able to earn an American Heart CPR certification (*First Aid & CPR/AED Text & Certification: \$25.00 additional fee*). Students may fulfill the four-semester Physical Education requirement during the 9th to 12th grade. (Students may also take JROTC or Concert Band/Marching Band to fulfill their graduation requirement.)

Middle School PE Grades 6, 7, and 8 (1 year)

Students are introduced to a variety of team sports, individual sports and non-traditional sports/activities. In each sport they will learn the required techniques, motor and manipulative skills needed to perform each sport/ activities. Along with each sport students will explore a wide range of health topics from substance abuse, nutrition, components of fitness to hygiene. Assessment of students will be through formative observation and summative tests, quizzes, written assignments and projects.

Health Grades 9-12 (1 semester)

Required for graduation, this course utilizes a holistic approach, which emphasizes the many facets related to optimum health; i.e., mental, social and physical. Students learn to improve and maintain their own personal health and take responsibility for their health status. Individual and group activities are used to help students develop a greater appreciation for good health habits. Topics covered are drug prevention, positive decision making, mental health, nutrition, hereditary/reproduction, infectious diseases/STD, CPR and emergency care.

First Aid & CPR/AED Text & Certification: \$25.00 additional fee - make check payable to Saint Louis School

PE I Team Sports Grades 9-12 (1 year)

Students are introduced to team sports and the five components of physical fitness. Sports activities include touch and flag football, volleyball, basketball, soccer, speedball, softball, weight training, wrestling and tumbling, track and field and ultimate Frisbee. Assessment of students will include physical fitness battery of tests and written and skills tests for each quarter.

PE II Team Sports Grades 9-12 (1 year)

Students are introduced to team sports and the five components of physical fitness. Sports activities include touch and flag football, volleyball, basketball, soccer, speedball, softball, weight training, wrestling and tumbling, track and field and ultimate Frisbee. Assessment of students will include physical fitness battery of tests and written and skills tests for each quarter.

Students have the option to select any 2 of the following to fulfill a second year of Physical Education:

Sports Performance & Lifetime Fitness Grades 10 – 12 (1 semester)

Students improve individual performance through proper exercise that will include agility, cardio, and weight-training skills. Sports and other physical activities will be incorporated into the course. Students develop personal goals in an area of interest such as athletic performance, fitness, body composition, cardiovascular endurance, and others. Primary assessment will be an evaluation of student progress as they strive to accomplish their goals.

Nutrition for Optimum Health & Performance Grades 10 – 12 (1 semester)

Students learn the importance of a balanced diet in improving their health and personal performance. This course will include classroom activities that analyze, evaluate, and develop personal diet plans. Students will create individual diet goals for an area of interest such as general health, weight loss, weight gain, or improved athletic performance. Assessment will include class activities, projects, quizzes and an evaluation of student progress as they work to accomplish their goals.

KINESIOLOGY Grades 10 – 12 (1 semester) *cross listed with Science*

Prerequisite: Biology

This course introduces students to the study of human movement and the acute and chronic effects of physical activity and training on the body. Course content shall include basic anatomy, physiology, biomechanics, and motor development. Emphasis will be placed on the recognition and management of common musculoskeletal injuries. Students will also be required to complete ten practicum hours outside of class under the direct supervision of a medical professional.

SPORTS MEDICINE Grades 10 – 12 (1 semester) *cross listed with Science*

Prerequisite: Kinesiology

Students will be introduced to current philosophies, procedures and practices relating to sports medicine and the treatment and care of athletic injuries. Course content shall include an introduction to medical careers, athletic training domains, medical terminology, and human anatomy with an emphasis on injury prevention, assessment and rehabilitation. Students will also

be required to complete ten practicum hours outside of class under the direct supervision of a medical professional.

Weight Training I Grades 11 and 12 (1 semester)

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course includes lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

Weight Training II Grades 11 and 12 (1 semester)

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardio-respiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course includes lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

RELIGION

Middle School

We Believe: We Are God's People Grade 6 (1 year)

Students will learn to identify and respect the different components of Catholicism while developing an understanding of how God is a part of our daily lives. The major focus of instruction will be centered on forming the covenant, building the covenant nation, redefining the covenant people, and the covenant fulfilled in Jesus.

We Live our Faith: As Disciples of Jesus Grade 7 (1 year)

A survey of basic understanding of the teachings of Jesus, how to live out those teachings, and an overview of articles of the Deposit of Faith: Tradition and Scripture. Emphasis is based the Sacraments and on how a Catholic-Marianist models the life of Jesus.

We Live Our Faith: As Members of the Church Grade 8 (1 year)

Focus is placed on the individual as a member of a believing historical community, rooted in the experience of the resurrected Jesus, challenged by the developments in culture, and ever responsive to be authentic to the call of communion and holiness. Emphasis is on morality, the Beatitudes, Ten Commandments in Scripture and the Living Church.

High School

Revelation of Jesus Grade 9 (1 semester - Fall)

The first semester addresses Jesus as the Word of God, the second person of the Trinity, the ultimate self-disclosure of God the Father, incarnate son God and model of humanity.

Encountering Jesus in the Sacraments Grade 9 (1 semester – Spring)

The second semester explores sacraments as privileged encounters with Jesus, doctrinal teachings, historical developments, and ritual elements. The Church as sacramental gives context for redemption as mediated through the seven sacraments.

The Mission of Jesus Christ Grade 10 (1 semester - Fall)

The experience of the life, death and resurrection of Jesus is normative within the Christian tradition. Through revelation, humanity discovers that the longing experienced by the people of the Old Testament is fulfilled in the person of Jesus who accomplishes the task of redemption and orients humanity towards salvation. The task of the believer is to live as a disciple, grounded in the experience of the Paschal Mystery, and lived in holiness.

Life in Christ Grade 10 (1 semester – Spring)

The second semester presents the Christian vision and purpose of life; the development of character, especially the ideals of a Saint Louis Man; the role of the community of faith as a primary instrument to motivate and train apostles; formation and use of conscience; and an understanding of sin and forgiveness, all of which are constitutive elements of Moral Life. Self-reflection and analysis of various moral views and critical examination of moral issues within contemporary culture help shape a disciple of Christ.

Comparative Religions Grade 11 (1 year)

Students will gain a basic conceptual understanding of different religious traditions. Covered are five "main religions" (Hinduism, Buddhism, Judaism, Christianity, and Islam) as well as several Humanistic Philosophers (Freud, Feuerbach, Nietzsche, Camus) and Occult Science Movements (Wicca, Tarot, Voodoo, Santeria, etc.). The course will conclude with an overview of the Catholic Church's teaching on ecumenism and Interreligious Dialogue and the way we as Catholics should interact with these different traditions.

Morality and Social Issues Grade 12 (1 year)

General overview of Catholic moral teaching as it pertains both to the individual and to society from the Catholic perspective of a tradition of reason that informs faith. It also introduces the student to the development of virtue, foundational vocabulary, significant authors, important concepts and magisterial documents of fundamental Catholic moral theology.

A.K.U.A. Aspiring to Know and Understand Akua (God) grades 11-12 (1 semester)

*This course does not replace any of the mandatory Religion courses required for graduation.
Prerequisite: GPA of 2.5; completed application*

Over the course of one semester, students will engage in the study and application of Catholic Christian topics. Each unit is designed to inform students, form their own

Life Science

Biology Grades 9 – 12. **(1 year)**

Prerequisites: C or higher in Physical Science, Algebra I (completed or concurrent enrollment), approval from current teacher or department chairperson.

A college preparatory lab-oriented course that uses a molecular approach in examining the major discoveries of the living world, the relationship of humans to other life forms and how science works in the real world. Emphasis is placed on building the solid academic foundation required for success in high school and college. Students reinforce what they have learned in class utilizing a variety of laboratory equipment.

Advanced Placement Biology Grades 11-12 **(1 year)**

This course follows the sequence of topics outlined in the May 2006 Advanced Placement Biology Course Description Booklet by the College Board. Most college texts, such as Biology by Campbell, follow a similar format. The class meets six times in a cycle for one or two hours depending on the schedule (A-G). Since laboratory investigations generally require more than one hour to complete, when necessary they are stopped at an appropriate place and continued the next day. Many labs are scheduled during a two-hour time frame depending on the schedule in the cycle. Teams share the variety of experimentation required for any one investigation and enter data on the class computer for processing at a later time.

Additional AP Exam and materials fee of \$125.00

Chemistry Grades 10 – 12. **(1 year)**

Prerequisite: C or higher in Biology, Algebra I, approval from current teacher or department chairperson.

Chemistry is a course designed to give the student an understanding of science and its processes as well as the knowledge that comes from scientific research. Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: characteristics of matter; energy transformations during physical and chemical change; atomic structure; periodic table of elements; bonding; mole concepts; chemical equations; behavior of gases; properties of solutions; acids and bases; oxidation-reduction reactions; nuclear chemistry and chemical reactions. Students will investigate how chemistry is an integral part of our daily lives. This is a college preparatory lab-oriented course that uses an approach in examining the major discoveries of Chemistry, use exploration and investigation to apply creative thinking and open-minded lab work, and how science relates to topics and problems in the real world. Emphasis is placed on laboratory safety and procedures and building the solid academic foundation required for success in high school and college. Students reinforce what they have learned in class utilizing a variety of laboratory techniques.

Advanced Placement Chemistry Grades 10-12 **(1 year)**

Prerequisite: B or better in Chemistry.

The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course taken during the first year of college. Students attain a depth of understanding

of fundamentals and a reasonable competence in dealing with chemical problems. The course contributes to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Topics include a rigorous mathematical approach to topics covered in first-year chemistry (mathematics of chemistry, laboratory safety and procedures, chemical foundations, atoms-molecules-ions, stoichiometry, chemical reactions and equations, gases-liquids-solids, thermochemistry, atomic theory and structure, chemical bonding, properties of solutions, kinetic theory, equilibrium, acids-bases-salts, electrochemistry, nuclear chemistry, structure and organization of the periodic table, organic chemistry, and related career opportunities) and extension of general chemistry topics to the college level. The course is designed to prepare students for the Advanced Placement test that occurs in May and provide a lab experience equivalent to that of a typical college course.

Additional AP Exam and materials fee of \$125.00

Anatomy & Physiology Grades 10-12. **(1 year)**

Prerequisites: Completion of Biology and Chemistry with a B or better.

This course covers the structure and function of the human body, to include: biochemistry, cells, tissues, and a detailed and comprehensive study of the integumentary, skeletal, muscular, circulatory, immune, and digestive systems, and metabolism; organ systems (nervous, urinary, endocrine, respiratory, and reproductive systems).

Marine Biology Grades 10-12. **(1 year)**

Prerequisite: Completion of Physical Science and Biology with a C or better

Marine Biology is a college prep course designed to study organisms that live in the sea. The four main sections to be investigated are: Principles of Marine Science, Organisms of the Sea, Structure and Function of Marine Ecosystems, and Humans and the Sea. The course will include labs and projects as a means of exploring these concepts in more depth. It will also emphasize observation, scientific inquiry, and organization and analysis of data.

Kinesiology Grades 10-12 **(1 semester)** *cross listed with Physical Education*

Prerequisite: Biology

This course introduces students to the study of human movement and the acute and chronic effects of physical activity and training on the body. Course content shall include basic anatomy, physiology, biomechanics, and motor development. Emphasis will be placed on the recognition and management of common musculoskeletal injuries. Students will also be required to complete ten practicum hours outside of class under the direct supervision of a medical professional.

Sports Medicine Grades 10-12 **(1 semester)** *cross listed with Physical Education*

Prerequisite: Kinesiology

Students will be introduced to current philosophies, procedures and practices relating to sports medicine and the treatment and care of athletic injuries. Course content shall include an introduction to medical careers, athletic training domains, medical terminology, and human anatomy with an emphasis on injury prevention, assessment and rehabilitation. Students will also be required to complete ten practicum hours outside of class under the direct supervision of a medical professional.

Physical Science

Physical Science Grade 9 (1 year)

Physical Science is a college preparatory survey course that investigates objects and phenomena in our physical universe. It will introduce the concepts listed below in the projected chapter schedule. The course will include labs and projects as a means of exploring these concepts in more depth and it will emphasize observation, scientific inquiry, and organization and analysis of data.

Astronomy Grades 10-12 (1 year)

This course provides a general introduction to the part of contemporary astronomy that includes how stars form and how they end their existence, will provide answers to these questions and more. Special attention is given to the Hawaiian night sky and celestial navigation as well as the pivotal role that Hawaii's universities and research facilities play in exciting discoveries of the past few years. Topics include modern astronomical instruments such as the Hubble Space Telescope, the Spitzer Space Telescope, the Chandra X-ray Observatory, the new generation of 8- and 10-meter mountaintop telescopes, and results from them; how astronomers interpret the light received from distant celestial objects; the Sun as a typical star (and how its future will affect ours); and our modern understanding of how stars work and how they change with time.

Engineering Grades 10-12 (1 year)

Introduction to Engineering is a year-long course designed to introduce students to the world of engineering. It will provide students interested in a STEM-oriented career an overview of a variety of engineering fields. Students will learn the necessary skills that engineers use to design, create, and test systems and will use the engineering process as a method to solving problems. The course is project-based and will have many group learning activities. Students will use science, math, and technology, along with critical thinking skills to solve real-world problems. Students will have the opportunity to meet with engineers and scientist to discuss careers in the STEM and related fields. There also will be opportunities for students to participate in the VEX and/or FIRST Robotics Competition.

Environmental Science Grades 10-12 (1 year)

This course provides an overview of the nature of ecosystems, energy flow, and the inter-relationships of biology, geology, and chemical cycles. Students explore issues in population studies, environmental pollution, and the organization and dynamics of ecological communities. Specific topics include scientific habits of the mind; the application of scientific knowledge, methodology, and historical context to solve problems; the use of laboratory technologies; earth dynamics; the influence of technology on environmental quality; conservation practices; biodiversity; environmental planning and waste management; environmental monitoring and policy; sustainable use of public land; characteristics of populations; biotic and abiotic environmental factors; and energy production technologies.

Physics Grades 10 – 12. (1 year)

Prerequisite: C or higher in Chemistry, Algebra II, approval from current teacher or department chairperson; Trigonometry is recommended. A college preparatory physics course with lab that emphasizes developing the skills needed to succeed in a college level environment. Students are required to study physical phenomena from both a conceptual and mathematical point of view and perform laboratory experiments to reinforce the information they have acquired.

Advanced Placement Physics Grades 11-12 **(1 year)**

This course is the equivalent of an introductory college-level survey course, but does not require proficiency in calculus. Students focus on five general areas: Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Students gain an understanding of the core principles of physics and then apply them to problem-solving exercises. They learn how to measure the mass of a planet without weighing it, find out how electricity makes a motor turn, and learn how opticians know how to shape lenses for glasses. Students prepare for the AP® Exam and for further study in science and engineering.

Additional AP Exam and materials fee of \$125.00

Robotics Grades 9-12 **(1 year)**

Robotics is a year-long course that introduces the key design, construction, and programming skills required in the field of robotics. Students explore the science behind what makes a robot work. They will collaborate in teams to design, build and program a robot. Concepts of electrical and mechanical engineering, and computer programming are introduced. Students will use science, math, and technology, along with critical thinking skills to solve real-world problems. Students will have the opportunity to meet with engineers and scientist to discuss careers in the STEM and related fields. There also will be opportunities for students to participate in the VEX and/or FIRST Robotics Competition.

SOCIAL SCIENCE

World Geography Grade 6 **(1 year)**

This course introduces concepts and ideas designed to study physical and cultural diversity toward the goal of an increased understanding of our world. Students learn various geographical concepts and explore major world regions while focusing on human - environment interaction. Specific topics for study include physical geography, population, culture, economy and social issues within each region.

Financial Literacy Grade 6 **(1 semester)**

This course will provide students with the skills and concepts needed to gain personal and financial responsibility related to financial planning, savings, investments, and charitable giving in the global community by exploring the relationship between income and careers, money management, credit and debt management, risk management and investing, protecting assets and insurance, taxes, and becoming a critical consumer. Student s will gain a working knowledge of financial and economical vocabulary to support the understanding of economic concepts and the value of personal financial decision-making skills.

Introduction to U.S. History Grade 7 (1 year)

This introduction to the colorful legacy of the United States begins with the earliest settlers and cultures rooted in North America. The core of the class is based on crucial time periods. These units highlight keystone events that shaped our country and society, such as: Colonial Society, the American Revolution, the Constitution, and the Age of Reform. We close the year with the Civil War and Reconstruction. The historical content also serves as a medium for assessing student reading and comprehension skills.

United States Government Grade 8 (1 year)

This course will examine the foundations of American government and focus on the U.S. Constitution with particular emphasis on the legislative, executive, and judicial branches. The course is intended to enable and empower students to become active citizens in the democratic process.

Hawaiian History Grades 9-12 (1 year) (Required for graduation)

Cross-listed with Hawaiian Studies

This course provides in-depth study of the history and culture of the Hawaiian people, with focus on their past, present, and future in shaping their individual and collective realities. Content scope ranges from the earliest arrival of the Hawaiian people up to the Akaka Bill. Included are units on the political, economic, and social history of Hawai‘i. Students will develop an understanding of the basic social and historical concepts shaping current issues.

Saint Louis Man (Freshman Seminar) (1 semester) (Required for graduation)

The Saint Louis Man is a course designed to unravel and explore the multi-faceted enigma that is a Man of Faith, Intellect, Service and Destiny: the man we want all our sons to be. For over 100 years, St. Louis School has produced men who have translated the spiritual and educational foundation they received at Kalaepohaku into leadership roles in all segments of modern Hawaii. By studying these examples and gaining an understanding of the character traits that lead to distinction, all students will be aware of what constitutes a man of character and greatness. Students will be made aware of their own gifts and talents that will, in turn, point out potential life paths and missions.

World History Grades 10 (1 year)

This course covers the intellectual, cultural, political, diplomatic, social and economic history of Europe. Students examine significant events in world history in order to gain a clear understanding of our world at the present time. The course encompasses the period from the Renaissance through the World Wars and continues into major movements to the present.

United States History Grade 11 (1 year)

This essay-based, thematic course is linked to world issues. Students are expected to read, discover, analyze, re-imagine, and relive important events, people, places and ideas of American History. The course will challenge students to recognize the complexity of human existence and the reality of human diversity. Students are encouraged to make connections between the events of the past, the contemporary world and themselves in order to define their place in an ever-globalizing society. As an essay-based course, primary emphasis will be placed on the ability to communicate both orally and in writing.

Asian Studies (1 semester)

This course examines, from a global perspective, contemporary economic, geo-political, and social issues in selected Asian countries. It looks at the historic and cultural forces that affected, changed, shaped and continue to affect the traditions, values, and institutions of the countries of Asia. Students use the tools and methods of the social scientist to develop and/or evaluate present-day decisions and issues.

United States Government Grades 11-12 (1 semester)

Prerequisite: United States History (Grade 11 only with approval from current or previous social science teacher).

This course focuses on political theory, the foundations of American democratic institutions and the criminal justice system. Specific topics of study include the federal system, Constitutional law, civil rights and liberties.

Sociology Grades 11-12 (1 semester)

Sociology is the study of people in society. Students will develop an understanding of concepts and perspectives concerning human groups. These will include a systematic and scientific approach to seeing people in any and all aspects of human organizations. Major themes include Culture, Social Change, Crime, Deviancy, Gangs, Socialization, Human Development, Social Control, Social Institutions, Inequities of Gender and Age, Family, Marriage, and social issues surrounding modern sports. Students will conduct social research and will generate a culminating project or paper.

Economics* Grades 11-12 (1 semester) *cross-listed with Business*

This course introduces students to the principles of economics. Students study the basic problem of scarcity and how each society deals with it. Topics include supply and demand, production factors, marketing, labor, role of government, money and banking, a study of Hawaii's economy and its role in global economics. *This course qualifies as fulfillment of 1/2 credit of the social science graduation requirement.

Advanced Placement Economics: Macroeconomics/Microeconomics Grade 12 (1 year)
(*alternating years*)

Additional AP Exam and materials fee of \$125.00

Macroeconomics: Macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Microeconomics: Microeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

Advanced Placement World History (1 year)

Prerequisite: Offered to students in grades 10-12 only with departmental approval.

The AP World History course provides a way to understand history and a foundation from which to view the complexities of today's world. Its emphasis on encounters and interactions provides a framework that is especially important. Out AP World History course is shaped by the six themes and the "habits of mind" that are outlined in the Course Description provided by the College Board. These overarching themes and the habits of mind foster critical thinking and encourage students to develop their own abilities and to truly be a part of the learning process.

Additional AP Exam and materials fee of \$125.00

Advanced Placement United States History Grade 11 (1 year)

Offered to juniors only with departmental approval. This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Students learn to assess historical materials and weigh the evidence and interpretations presented in historical scholarship. Students with a strong background in writing and analytical skills are encouraged to enroll.

Additional AP Exam and materials fee of \$125.00

Advanced Placement United States Government Grades 11-12 (1 year)

Offered to juniors and seniors only with departmental approval. Students are expected to take a year-end ETS (Educational Testing Service) Exam that may fulfill college level requirements. This course addresses all areas of the American political system from democratic political theory to the study of the federal system. Students focus on Constitutional law, civil rights and liberties, the bureaucracy, as well as the study of electoral campaigns and political parties. As a college level course, students are expected to complete numerous reading and writing assignments. Classes are lecture and discussion driven. Students with a strong background in writing and analytical skills are encouraged to enroll.

Additional AP Exam and materials fee of \$125.00

Advanced Placement Psychology Grade 12 (1 year)

The aim of this course is to provide the student with a learning experience equivalent to that obtained in most college introductory psychology courses. Students learn some of the explorations and discoveries made by psychologists over the centuries. They also assess the differing approaches adopted by psychologists, including the biological, behavioral, cognitive, humanistic, psychodynamic, and socio-cultural perspectives. Specific topics may include methodology, behaviorism, neuroscience, sensation and perception, developmental psychology, and intelligence and psychological testing.

Additional AP Exam and materials fee of \$125.00

Trial Law Grades 11-12 (1 semester)

This course focuses on the development, interpretation and enforcement of the laws of the United States. Students study trial procedures, conduct their own mock trials, and analyze the ways in which the media influences our contemporary legal system. The primary work of lawyers is explored and practiced. Students will participate in the mock trial competitions.

Student Leadership (Elective) Grades 11-12 (1 year)

This course offers opportunities for students to examine leadership theory, develop leadership skills and apply their knowledge and skills to being an effective student government officer on campus. The class will cover such topics as goal-setting, evaluation techniques, communication skills, group dynamics and leadership styles.

Student Government Leadership (Elective) Grades 11-12(1 year)

This course aims to develop the leadership skills and cooperative teamwork among student government staff members. The class will cover such topics as project planning, problem solving, decision-making, and plan execution and evaluation.

WORLD LANGUAGES

The World Languages Department provides sequential learning in the following: Chinese, Hawaiian*, Japanese and Spanish. Each of these courses develops students' oral/aural understanding and reading skills with an emphasis on cultural appreciation. Each course is one credit, one year. While two years of a world language are required for high school graduation, students are strongly encouraged to complete three years of world language study. With instructor approval, advanced scholars may avail of language studies through Level IV as well as the individualized Directed Study program.

**Hawaiian language courses are cross-listed under the Hawaiian Studies section of this catalog.*

The following outlines the tiered ranking for all World Language courses at Saint Louis:

- Level I** Introduction to basic speech patterns and vocabulary
- Level II** Increasingly complicated structural patterns.
Prerequisite: Level I with a C or better and/or teacher's consent
- Level III** Emphasis on oral competency and fluency
Prerequisite: Level II with B or better and/or teacher's consent
- Level IV** Higher degree of complexity in grammar, dialogue and cultural studies.
Prerequisite: Level III with B or better and/or teacher's consent
- Directed Study:** Individualized creative projects approved and monitored by Instructor.
Prerequisite: Level IV proficiency with teacher and department chair's approval

CHINESE I Grade Level: 8-12 (1 year)

Chinese I introduces the student to the Chinese language through speaking, listening, reading and writing. The course will teach the student to differentiate the Chinese sound system and will

teach the Chinese writing system emphasizing stroke technique. Students will also be introduced to the Chinese culture and daily life in China.

CHINESE II Grade Level: 9-12 (1 year)

Prerequisite: a minimum second semester grade of C

Chinese II reviews basic vocabulary and sentence structure learned in Chinese I such as skill in pronouncing words with tones, completing proper writing strokes and using simple vocabulary/grammar for daily life purpose. Lessons are developed around subjects of interest and cultural worth.

CHINESE III Grades Level: 10-12 (1 year)

Prerequisite: a minimum 2nd semester Chinese II grade of C

Chinese III is intended for advanced learners. Students should be able to 1) demonstrate skills in fluently pronouncing words with tones, 2) write strokes fluidly, 3) write basic-level vocabulary and recognize intermediate-level vocabulary, and 4) utilize simple grammar structures for daily life purposes with proficiency. The course will emphasize advanced vocabulary, grammar and sentence structures and will incorporate extended reading passages and longer written exercises.

Hawaiian Language (1 year) *Cross-listed with Hawaiian Studies*

The language of the indigenous people of Hawai‘i is one of two official languages of the State of Hawai‘i. Courses meet the requirements of a world language on the university level of many US universities. The course curriculum is in alignment with the Schools of Hawaiian and Indo-Pacific Languages at the University of Hawai‘i. Successful completion of course requirements will fulfill Saint Louis’ world language requirement for graduation. While two years of a world language are required for high school graduation, students are strongly encouraged to complete three years of world language study. With instructor approval, advanced scholars may avail of language studies through level IV as well as the individualized Directed Study program.

Hawaiian I Grades 9-12 (1 year) *Cross-listed with Hawaiian Studies*

An introduction to basic speech patterns, vocabulary, and Hawaiian culture. Hawaiian I is designed to begin developing the skills of listening, comprehending, speaking, reading and writing the Hawaiian language. This course includes units on the history of the language, people, origins, society and values. Upon successful completion of this course, the student should be able to hold a basic conversation in Hawaiian.

Hawaiian II Grades 9-12 (1 year) *Cross-listed with Hawaiian Studies*

A continuation of Hawaiian I. Students will continue to develop skills in reading, writing, speaking and understanding the Hawaiian language. Upon successful completion of the course, the student should be able to hold an intermediate level conversation in Hawaiian.

Hawaiian III Grades 10-12 (1 year) *Cross-listed with Hawaiian Studies*

This honors level course is designed to deepen a student’s understanding of the Hawaiian language and culture. Lessons will include Hawaiian readings and the development of creative writing skills. Students will also do translation work on reading materials for Hawaiian immersion students. Tutoring of beginning language learners will be expected.

Japanese I (1 year)

This is a year-long course which is designed to introduce students to basic Japanese vocabulary, grammatical structure, and cultural perspectives. It is directly tied to HCPS (Hawaii Content and Performance Standards) and equips students with skills needed to function in an international economy. At this level, students will learn formal verb forms, common expressions, hiragana (syllabic characters), and katakana (characters for foreign words and emphasis). In addition, twenty Chinese characters (or “kanji”) will be introduced.

Japanese II (1 year)

This is a year-long course which is designed to broaden student knowledge of Japanese vocabulary, grammatical structures, and cultural perspectives. It is directly tied to HCPS (Hawaii Content and Performance Standards) and equips students with skills needed to function in an international economy. At this level, students will learn informal verb forms and common expressions. In addition, forty Chinese characters (or “kanji”) will be introduced.

Japanese III (1 year)

This is a year-long course which is designed to dovetail with the pursuit of foreign language study at the college level. It is directly tied to HCPS (Hawaii Content and Performance Standards) and equips students with skills needed to function in an international economy. At this level, students will begin learning how to express complex ideas using relative clauses, conditional clauses, hearsay patterns, and other advanced structures. In addition, forty Chinese characters (or “kanji”) will be introduced.

Japanese IV (1 year)

This year-long course emphasizes the business and more formal forms of speech. Broader aspects of Japanese culture will be analyzed. Students apply growing proficiency in narration and description to an increased cultural and literature focus. Short stories, poetry, excerpts from selected literary sources, and authentic materials are included for reading and discussion.

Korean I (1 year)

Korean I is designed for the beginning language learner with limited exposure to a second language. Students will develop basic listening, speaking and grammar skills of conversational Korean. The course includes introductory reading and writing. Korean folk tales, songs, literature, and media will expose students to Korean culture and history.

Spanish I (1 year)

This is a Spanish course that focuses on the four key areas of grammar, vocabulary, conversation, and culture. In each unit, we will learn new grammar and vocabulary items while focusing on the culture of a particular Spanish-speaking country. Throughout the year, we will practice what we learn through conversing in class and preparing projects that demonstrate knowledge of the four key areas.

Spanish II (1 year)

This is the second level Spanish course that focuses more intensively on the four key areas of grammar, vocabulary, conversation, and culture. In each unit, we will learn new grammar and vocabulary items while focusing on the culture of a particular Spanish-speaking country.

Throughout the year, we will practice what we learn through conversing in class and preparing projects that demonstrate knowledge of the four key areas.

Spanish III

(1 year)

This is the third level Spanish course in which students apply previously developed content and skills to identify main ideas and significant details in oral and written presentations, read and interpret authentic materials, and narrate and describe in sentences or groups of related sentences. Students continue to refine their knowledge and understanding of the culture studies as well as their own by demonstrating behaviors appropriate to the culture. Grammar is integrated throughout this two-course sequence and is selected according to the language needs.

Advanced Placement Courses

Saint Louis School offers a number of Advanced Placement (AP) courses. Students who are ready for a unique learning experience will find exactly that in our AP classes. “Through AP's college-level courses and exams, you can earn college credit and advanced placement, stand out in the admission process, and learn from some of the most skilled, dedicated, and inspiring teachers in the world... From the moment a student enters an AP classroom, he will notice the difference—in the teacher's approach to the subject, in the attitude of his classmates, in the way he starts to think. In AP classrooms, the focus is not on memorizing facts and figures. Instead students will engage in intense discussions, solve problems collaboratively, and learn to write clearly and persuasively.”

About Advanced Placement, About AP Courses (2012), from
<http://www.collegeboard.com/student/testing/ap/about.html>

Advanced Placement Language and Composition (1 year)

The course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way basic conventions and the resources of language contribute to effectiveness in writing.

Additional AP Exam and materials fee of \$125.00

Advanced Placement Literature and Composition (1 year)

The course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

Additional AP Exam and materials fee of \$125.00

Advanced Placement CALCULUS A/B and B/C Grades 11-12 (1 year)

Prerequisite: C in Geometry and department recommendation. This course is intended for students who have a thorough knowledge of college preparatory mathematics including algebra, axiomatic geometry, trigonometry and analytic geometry. It is not assumed that they have acquired a sound understanding of the theory of elementary functions. Students are encouraged to take the Advanced Placement test in Calculus to earn college credit.

Additional AP Exam and materials fee of \$125.00

Advanced Placement Biology Grades 11-12 (1 year)

This course follows the sequence of topics outlined in the May 2006 Advanced Placement Biology Course Description Booklet by the College Board. Most college texts, such as Biology by Campbell, follow a similar format. The class meets six times in a cycle for one or two hours depending on the schedule (A-G). Since laboratory investigations generally require more than one hour to complete, when necessary they are stopped at an appropriate place and continued the

next day. Many labs are scheduled during a two-hour time frame depending on the schedule in the cycle. Teams share the variety of experimentation required for any one investigation and enter data on the class computer for processing at a later time.

Additional AP Exam and materials fee of \$125.00

Advanced Placement Chemistry Grades 10-12. (1 year)

Prerequisite: B or better in Chemistry.

The Advanced Placement Chemistry course is designed to be the equivalent of the general chemistry course taken during the first year of college. Students attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course contributes to the development of the students' abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Topics include a rigorous mathematical approach to topics covered in first-year chemistry (mathematics of chemistry, laboratory safety and procedures, chemical foundations, atoms-molecules-ions, stoichiometry, chemical reactions and equations, gases-liquids-solids, thermochemistry, atomic theory and structure, chemical bonding, properties of solutions, kinetic theory, equilibrium, acids-bases-salts, electrochemistry, nuclear chemistry, structure and organization of the periodic table, organic chemistry, and related career opportunities) and extension of general chemistry topics to the college level. The course is designed to prepare students for the Advanced Placement test that occurs in May and provide a lab experience equivalent to that of a typical college course.

Additional AP Exam and materials fee of \$125.00

Advanced Placement Physics Grades 11-12 (1 year)

This course is the equivalent of an introductory college-level survey course, but does not require proficiency in calculus. Students focus on five general areas: Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. Students gain an understanding of the core principles of physics and then apply them to problem-solving exercises. They learn how to measure the mass of a planet without weighing it, find out how electricity makes a motor turn, and learn how opticians know how to shape lenses for glasses. Students prepare for the AP® Exam and for further study in science and engineering.

Additional AP Exam and materials fee of \$125.00

Advanced Placement Psychology Grade 12 (1 year)

The aim of this course is to provide the student with a learning experience equivalent to that obtained in most college introductory psychology courses. Students learn some of the explorations and discoveries made by psychologists over the centuries. They also assess the differing approaches adopted by psychologists, including the biological, behavioral, cognitive, humanistic, psychodynamic, and socio-cultural perspectives. Specific topics may include methodology, behaviorism, neuroscience, sensation and perception, developmental psychology, and intelligence and psychological testing.

Additional AP Exam and materials fee of \$125.00

Advanced Placement World History (1 year)

Prerequisite: Offered to students in grades 10-12 only with departmental approval.

The AP World History course provides a way to understand history and a foundation from which to view the complexities of today's world. Its emphasis on encounters and interactions provides

a framework that is especially important. Out AP World History course is shaped by the six themes and the “habits of mind” that are outlined in the Course Description provided by the College Board. These overarching themes and the habits of mind foster critical thinking and encourage students to develop their own abilities and to truly be a part of the learning process.
Additional AP Exam and materials fee of \$125.00

**Advanced Placement Economics: Macroeconomics/Microeconomics Grade 12 (1 year)
(alternating years)**

Additional AP Exam and materials fee of \$125.00

Macroeconomics: Macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students’ familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

Microeconomics: Microeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

Advanced Placement United States History (1 year)

Offered to juniors only with departmental approval

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States history. Students learn to assess historical materials and weigh the evidence and interpretations presented in historical scholarship. Students with a strong background in writing and analytical skills are encouraged to enroll.

Additional AP Exam and materials fee of \$125.00

Advanced Placement United States Government (1 year)

Offered to juniors and seniors only with departmental approval

Students are expected to take a year-end ETS (Educational Testing Service) Exam that may fulfill college level requirements. This course addresses all areas of the American political system from democratic political theory to the study of the federal system. Students focus on Constitutional law, civil rights and liberties, the bureaucracy, as well as the study of electoral campaigns and political parties. As a college level course, students are expected to complete numerous reading and writing assignments. Classes are lecture and discussion driven. Students with a strong background in writing and analytical skills are encouraged to enroll.

Additional AP Exam and materials fee of \$125.00