

ST. CHARLES CATHOLIC HIGH SCHOOL 2009-2010 PROGRAM OF STUDIES

Introduction

The purpose of this program of studies is to guide students in making the best choices for academic advancement. Students should consult and maintain constant communication with teachers, parents, and the counselor in planning for an overall view of their entire school career. Goals should be set, and courses should be selected in proper sequence to assure graduation from St. Charles Catholic High School. It is up to the student and his/her parents to make sure all requirements for Graduation are fulfilled.

Philosophy

St. Charles Catholic High School believes that its primary concern is the Catholic education of our students. In our service to the young men and women of the River Region, we attempt to provide an atmosphere which stresses Catholic values while challenging students to become self-disciplined, responsible, self-motivated, and well-adjusted individuals.

The St. Charles Catholic High School curriculum, which is primarily college-prep, strives to meet the spiritual, intellectual, emotional, physical, and social needs of our students. Our academic programs develops thinking , reasoning , and decision-making skills necessary for our students to grow. We strive to develop mature responsible citizens who practice the principles of a democratic society and respect the rights and dignity of all individuals. Our students are given the responsibilities that translate into their role as citizens who respect the dignity of all individuals and Christians who possess moral and ethical Catholic values.

By establishing an atmosphere where Christian values are practiced, taught, and developed, it is our desire to model a Christian community for our students so that it can be continued through life. The goals of St. Charles Catholic High School support our philosophy of developing the whole person.

Consistent with this philosophy, every effort is made to help students reach their fullest potential. The guidance office can help students in their educational planning by assessing individual student learning needs and by recommending appropriate educational programs. In partnership with students, parents, teachers, and administrators, the guidance counselor can recommend special programs or activities to enhance students' educational success. These programs may include advanced placement coursework, early admission programs at selected colleges/universities, or participation in special programs (e.g., creative/performing arts or vocational-technical).

Statement of Policy

The schools of the Archdiocese of New Orleans, Louisiana, admit students of any race, color, national, and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at its schools. They do not discriminate on the basis of race, color, national, and ethnic origin in administration of their educational policies, admissions policies, scholarship and loan programs, and athletic and other school-administered programs. Additionally, in compliance with Title IX of the Civil Rights Act of 1964, no person in the schools of the Archdiocese

shall, on the basis of sex, be excluded from participation in, or be denied the benefits of, or be subjected to discrimination under any educational program or activity except permitted under said Title IX.

St. Charles Catholic High School Graduation Requirements

Religion	4	
English	4	
Mathematics	4	(Alg. I, Geom., Alg. II, Adv. Math, *Financial Math, Pre-Calculus or Calculus)
Social Studies	3 or 4*	(Civics, Am. Hist., & either W.Hist. or W.Geog.)
Science	3 or 4*	(Bio. & 2 units from Phy.Sc., Chem., Bio II, Environmental Sc., or Physics)
Health & Physical Ed.	2	
Foreign Language	2*	
Fine Art Survey	1*	
Electives	2	
Total	26	

*Class of 2012 and beyond will be required to take 4 social studies.

*Class of 2012 and beyond will be required to take 4 sciences.

*Students who are not planning to go to a 4 year college may opt out of the 4th Social Studies and Science, and the 2 foreign languages by signing an “Opt Out” form.

*Financial Math is for standard students only.

*Fine Art Survey is a required course for the class of 2013 and beyond.

Phasing

A student is placed in a phase according to his or her academic achievement and ability. Placement in a phase is determined by a student's elementary school record, the High School Placement Test scores, and standardized test scores.

ST. CHARLES CATHOLIC HIGH SCHOOL HAS THE FINAL DECISION FOR PHASE PLACEMENT.

The **STANDARD** phase is designed for students who need assistance in small classes. If St. Charles Catholic High is not able to have a separate standard class, students will be combined with academic students and given additional assistance. Emphasis is on the minimum standards. It is NOT a special education class. It is also NOT a college-prep phase. In order to qualify for TOPS and fulfill college requirements students throughout high school will have to be performing at the academic level by their junior year. Students who begin on a standard track freshman year are advised to contract with a professional tutoring service for Geometry in their sophomore year and in Algebra II in their junior year if they want to later schedule math and science courses in order to be admitted into a 4 year college and qualify for TOPS.

The **ACADEMIC** phase is designed as an accelerated program in which students assume responsibility for their own learning. This program prepares and engages students in college-level work through innovative teaching methods, projects, technology usage and student evaluators. For

AP course work, students are required to register for the corresponding AP exam. For both AP and Honors a ten point grading scale is used.

The **HONORS/AP** phase is designed as an accelerated program in which students assume responsibility for their own learning. This program prepares and engages students in college-level work through innovative teaching methods, projects, technology usage and student evaluators. For AP course work, students are required to register the corresponding AP exam. For both AP and Honors a ten point grading scale is used.

TO DETERMINE CLASS RANK ONLY, a weighted point system is used. Phases are weighted as follows:

	AP	HONORS	ACADEMIC	STANDARD
A	5.5	5	4	3.5
B	4.5	4	3	2.5
C	3.5	3	2	1.5
D	2.5	2	1	.5
F	0	0	0	0

BEGINNING WITH THE CLASS OF 2011, ONLY COURSES TAKEN AT SCC WILL BE USED IN TABULATING CLASS RANK. TO BE ELIGIBLE FOR THE TOP TEN A STUDENT MUST HAVE ATTENDED SCC FOR AT LEAST FOUR YEARS.

Policy for “P” for 8th Grade

8th graders taking Academic level courses will be awarded a “P” for passing in order to stay consistent with previous practices for passing students.

College Entrance Requirements

An integral part of planning your high school course work is ensuring that you will meet college admission requirements at the completion of your senior year. College catalogs, which specify entrance requirements, are available for review and/or check-out from the college advisor's office.

As universities are becoming more competitive, their entrance requirements are getting stricter. Be sure to do research on the college you want to attend for it's unique requirements. For instance, both UNO and LSU have continually increased their admission criteria. Be sure to do the research so that high school gets you where you want to go.

REQUIREMENTS FOR TOPS/LA UNIVERSITIES AND COLLEGES

English I	4 th Math or Science Elective -
English II	Note: *See Approved Math or Science electives
English III	
English IV	American History
	World History or World Geography
	Civics
Algebra I	NOTE: Starting with Class of 2012 a
Geometry or Comparable Adv. Mat	4 th SS credit is required.
Algebra II	
NOTE: Starting with Class 2012 a	Fine Arts or a qualified substitute
4 th Math credit is required.	NOTE: Class of 2013 will have an ARTS
	requirement. No substitutions allowed.
Physical Science*or qualified substitute	Foreign Language I
Biology	Foreign Language II
Chemistry	
NOTE: Starting with Class 2012 a	
4 th Science credit is required	

Approved Math/Science Credits for TOPS

Advanced Math	Calculus	Chemistry II
Pre-Calculus	Physics	

Course Descriptions

NOTE: SCC CAN NOT GUARANTEE THAT ALL COURSES WILL BE OFFERED. SCC HAS THE **FINAL** DECISION ON COURSE PLACEMENTS.

NOTE: ALL STUDENTS TAKING AND AP COURSE WILL BE REQUIRED TO REGISTER AND PAY FOR THE NATIONAL AP EXAM. FAILURE TO DO SO WILL RESULT IN THE STUDENT'S TRANSCRIPT TO BE MODIFIED TO REFLECT HONORS INSTEAD OF AP. AP CLASSES HAVE A COST OF APPROXIMATELY \$83.00 FOR THE NATIONAL AP EXAM REGISTRATION.

RELIGION DEPARTMENT

The religion course offerings at St. Charles Catholic High School are structured to cover the basic elements of the Catholic faith. The religion program of studies includes:

Creeds, Old and New Testaments, Sacraments, Morality, Justice, Synthesis of Catholic Teaching, Lifestyles (Single, Marriage, Religious Congregation, Holy Orders), Service, Spirituality and Ministry.

As part of their program of studies, students are required to participate in a class retreat and perform 15 hours of service each year.

100-Religion 8-Christianity and Morality – The Christianity course covers the major people and events throughout the history of Christianity. The morality course takes a look at the proper actions for a person who is a believer and follower of Jesus.

110-Religion I-A or 111 Religion I-A (#111 - 8th Grade Rel. I) – Creeds and Old Testament

*The Creeds course serves as an introduction to Catholic Christianity, examines different expressions of faith and offers a clear integrated review of basic Catholic teachings in a way that respects the unique perspective of the freshmen.

*The Old Testament course will present a survey of God's presence among His people in ancient Israel and a historical study of the Jewish nation.

120-Religion II-A – New Testament and Sacraments

*The New Testament course will explore the life, ministry, message, meaning, and teachings of Jesus, and the salvific action of the Paschal Mystery. The course focuses on integrating biblical concepts and values into the student's everyday life.

*The Sacraments course explores how symbols and ritual are part of the life and worship of the Catholic Church and of their relationship to the origins, history, and central meaning of each of the seven Catholic sacraments.

130-Religion III-A – Morality and Social Justice

*The Morality course studies the decision making process that incorporates the teachings of Jesus Christ and the Catholic Church. It investigates the necessity of moral guidelines in a person's life with emphasis on the moral challenges facing adolescent youth.

*The Social Justice course explores the role of the Christians in dealing with justice issues in our world today, such as, prejudice, discrimination, economics, health care, human rights, and peace. The course helps students to take a personal and global perspective that echoes the message and mission of Jesus.

140-Religion IV-A – Teachings of Catholic Church and Christian Vocations

*The Teachings of Catholic Church this course is a survey of the Catholic Church's teachings concerning important doctrines of Catholic faith.

*The Christian Vocations course focuses on understanding human relationships and its role in Christian vocations, such as marriage, single life, sisterhood, brotherhood and ordination. It also includes discussion of adolescent sexual developments and the present challenges faced by young Christian adults in achieving sexual and moral maturity.

141-Religion V - Christian Ministry

*The Christian Ministry course is an elective course for those seniors who have been chosen to be on the SCC Peer Ministry Team. In this course students will both learn about and implement various aspects of ministry, such as retreats, liturgy, and service. Peer ministers will also learn skills for group facilitation, communication, public speaking, and liturgical design and art, story telling, and drama.

LANGUAGE ARTS DEPARTMENT

General guidelines:

1. All students are required to follow the prescribed summer reading program.
2. To enroll in an honors English course, a student must have earned a C or better in their previous English course.
3. Each student whose English teacher requires a term paper must complete requirements for term paper to an acceptable level. Students who fail to fulfill this requirement by June 30 of their current school year will not be allowed to return as a student to St. Charles Catholic for the following year.

203-Reading 8 – This course will aid in the development of reading skills and teach the basics of literary analysis. Plot, characterization, conflict, mood, tone, setting, and a host of literary terms are taught within the context of literature read both individually and as a class. Students are also given instruction in vocabulary enrichment and standardized test-taking skills. This course does not count toward high school credits.

201-English 8 – Grammar and composition taught in this course will prepare the students for the demands of high school English at SCC. The fundamentals of grammar, usage, and mechanics are reviewed; and the beginnings of formal instruction in composition will be taught. This course does not count toward high school credits.

282-Creative Writing-ACADEMIC – The students will work on making complete sentences that vary in structure. Students study ways of varying details to convey an atmosphere or mood in a paragraph. Narrative essay, descriptive essay, and expository essay techniques are covered.

283-Creative Writing-Standard – The students will work on making complete sentences that vary in structure and will learn how to combine short sentences into one effective sentence. They will learn how to write a paragraph that supports its topic sentence.

213-English I-STANDARD - The course stresses use of basic skills of grammar and writing and covers a few of the outstanding literary classics. Attention is given to improving reading skills and building vocabulary. A library skills unit will be taught.

212-ENGLISH I - ACADEMIC - The course stresses use of basic skills of grammar and writing with emphasis on writing clear, well-constructed sentences. Students are exposed to the general characteristics of the five major genres of literature: non-fiction, novel, poetry, short story, and drama. Spelling and vocabulary are emphasized. A library skills unit will be taught.

211-English I - HONORS - Students will study in depth the five major genres of literature mentioned above. In addition to grammar and literature, each student works through vocabulary-building exercises. The writing of the fully-developed paragraph with sentence variety is an objective of this course. A library skills unit will be taught. Students are introduced to term papers.

223-English II - STANDARD – This course stresses basic grammar and writing skills and vocabulary enrichment exercises. Students will read a variety of literary works by many authors in all genres. A short research paper will be assigned.

222-ENGLISH II - ACADEMIC - This course stresses basic grammar and writing skills with

emphasis on a fully developed paragraph with sentence variety, as well as vocabulary enrichment exercises. The student will read a variety of literary works by many authors, in all genres, and will distinguish basic types of literature--prose, poetry, fiction, non-fiction, biography, autobiography, myth, legend, novel, short story, drama, & essay. A continuance of basic term paper skills will be covered, and a short research paper will be assigned.

221-English II - HONORS - The primary research objective of this course is unified, coherent, and emphatic writing of a three page research paper, balanced with a general literature course. Students will read a variety of literary works by many authors, in all genres, and will distinguish basic types of literature-prose, poetry, fiction, non-fiction, biography, autobiography, myth, legend, novel, short story, drama, and essay.

233-English III - STANDARD – This course centers around American literature in which novels, essays, poetry, and plays are read. The study of composition, usage, grammar, and mechanics is continued.

232-English III - ACADEMIC - This course centers around American literature in which novels, essays, poetry, and plays are read. The study of composition, usage, grammar, and mechanics is continued. Increased emphasis is placed on the essay, and the student should demonstrate increasing skill in the use of appropriate stylistic techniques. The student completes a research paper of at least three pages.

231-English III - HONORS - This course is designed for the student with special abilities and interests for the pursuit of college-level studies of materials in language, literature, or composition. The content of the course and examinations will place emphasis on developing a student's abilities to respond sensitively and intelligently to literature and to write clear expository prose. A research paper is completed. A survey of American literature is presented, including novels, essays, poetry, and plays.

243-English IV - STANDARD - This course covers a basic review of grammar and writing. Students are taught how to write essays, letters, resumes, reports, and a short research paper. Students will be exposed on a limited basis to English literature.

242-English IV - ACADEMIC - This course exposes students to a variety of genres by (1) introducing them to a survey of English literature; (2) refining their writing skills by means of many essays; (3) strengthening their mastery of English grammar; (4) requiring investigative work in the preparation and completion of a research paper of at least four pages.

241-English IV - HONORS - This college preparatory course covers the poets from Anglo-Saxon times through the Victorian period. The history of the period is taught as well. The students analyze and critique the works. Students are required to complete one research paper of at least four pages.

PREREQUISITE: Must have taken at least two English honors classes or be recommended by an English teacher.

244-English IV - AP - This college-preparatory course covers all required honors level phase English IV work at a rapid pace. It further requires a great deal of reading of English and Western literature, much on an independent reading level. Students must have been enrolled in honors English for at least two consecutive years and must have earned at least a B or higher for the year to be admitted to this class. Students **must register** to take the

Literature and Composition AP exam in the spring so that they can try to earn college credit.

247-English V – AP – This is the same course as English IV-AP but is for those seniors who have taken English IV-H as juniors. Students **must register** to take the Literature and Composition AP exam in the spring so that they can try to earn college credit.

248-Language and Composition – AP – This course is designed with an emphasis on rhetoric and composition with attention to particular forms--argumentative, narrative, synthesis, and expository. Critical reading with attention to the nuances of language, stylistic distinction, and audience and writing with attention to those elements, will be the main focus. Students will learn how to construct essays through their readings with an awareness of interactions among a writer's purposes, audience expectations, and subjects. This course will be similar to college freshman English. Students **must register** to take the English Language and Composition AP exam in the spring so that they can earn college credit. **Limit 15 students per section.**

251-Intermediate Composition - ACADEMIC - This course reviews, at an accelerated pace, grammar (spelling, punctuation, and vocabulary); patterns of sentence structure; and different types of essays. The student is expected to learn and master the techniques of good writing. Basic students cannot take this course. Course limited to 20 students per section. **Standard students cannot schedule this course.**

250-Intermediate Composition - HONORS - Same as Academic except less grammar will be covered. More concentrated writing will be done. Course limited to 15 students.
PREREQUISITE: STUDENTS MUST HAVE TAKEN HONORS ENGLISH FOR TWO CONSECUTIVE YEARS.

256-Publication I (Yearbook) - ACADEMIC - This is an elective course which teaches principles of photography, layout design, copy writing, and evaluation of yearbook design. Students will be designing the yearbook and will be graded on their work on an individual basis. Students will be required to attend a workshop in the summer and to sell \$300.00 worth of ads by the deadline set by the teacher. Ad sales is worth 1/4 of the student's grade.
NOTE: STUDENTS INTERESTED IN APPLYING FOR THIS COURSE MUST PICK UP AN APPLICATION FROM MRS. BORDELON IN ROOM 145 BEFORE SCHEDULING. APPROVAL OF ADMISSION WILL BE MADE BY THE JOURNALISM ADVISOR AND A PANEL OF TEACHERS.

MATH DEPARTMENT

309-Algebra I pt 1 – This course seeks to strengthen arithmetic skills with fractions, decimals, and whole numbers. It will systematically develop algebraic skills, concepts, and strategies necessary for future math courses.

310-Algebra I pt 2 – This course is a review of basic whole numbers, fractional and decimal functions. It is an introduction to the comprehension of integer functions and the beginning of algebra terms and processes. It includes equations, inequalities and graphing. The basic

functions of polynomials, and factoring will be presented.

313-Algebra I - STANDARD - This course is a review of basic whole numbers, fractional and decimal functions. It is an introduction to the comprehension of integer functions and the beginning of algebra terms and processes. This course is not a thorough preparation for Algebra II.

312-Algebra I - ACADEMIC - This course covers the basic functions of real numbers (whole numbers, integers, fractions, decimals). Other topics covered include equations, inequalities, and graphing. The basic functions of polynomials and factoring will be discussed.

311-Algebra I - HONORS - In addition to topics covered in the academic level course, there will be an introduction to sets, complex fractions, and quadratics. The basic functions of radicals will also be introduced.

332-Algebra II - ACADEMIC - This course is designed to reinforce all Algebra I concepts and develop in-depth skills in those areas. Imaginary numbers, surface area, volume, distance, scientific notation, chemical mixture and linear and quadratic equations, and some trigonometry will be covered. A yearly cumulative exam will be given.

NOTE: NOT RECOMMENDED FOR STANDARD MATH STUDENT.

331-Algebra II - HONORS - This course will cover the same concepts as academic plus additional topics of sin and cos curves, logarithms, quadratic inequalities, and parabolas. A yearly cumulative exam will be given.

323-Geometry - STANDARD - This course is a basic geometry course which stresses the practical applications of geometric terms, constructions, areas, ratios, and proportions.

322-Geometry - ACADEMIC - This course stresses the use of logical reasoning through deductive proofs and practical applications. Geometric terms, basic constructions, areas and volumes, ratios and proportions are some topics covered.

321-Geometry - HONORS - This course will cover the same material as the academic course, but it will move faster and will consider proofs and other topics in more depth. A special project pertaining to an application of geometric ideas will be required. Semester exams will be cumulative for each semester.

NOTE: STUDENTS WHO ARE SOPHOMORES TAKING GEOMETRY-H AND WHO WOULD LIKE TO TAKE PRE-CALCULUS-H, OR CALCULUS-AP SENIOR YEAR SHOULD ALSO REQUEST ALGEBRA-II.

342-Advanced Math - ACADEMIC - This course reviews and continues development of Algebra II skills with an increased emphasis on functions and graphing. Topics covered include logarithms, exponentials, roots of higher order polynomial equations and functions, sequences and series, probability, and graph transformations. Basic trigonometry and analytical trigonometry are included with topics such as trig. functions, the unit circle, graphing, identities, solving equations, and applications.

341-Advanced Math - HONORS - An incremental development of geometry, trigonometry, and algebra continues the development of skills begun in Algebra I & II Honors. The course will have an increased emphasis on functions and graphing. Topics covered include logarithms,

exponentials, roots of higher order polynomial equations and functions, sequences and series, probability, and graph transformations. Basic trigonometry and analytical trigonometry are included with topics such as trig. functions, the unit circle, graphing, identities, and solving equations. Heavy emphasis on real world applications and preparation for calculus.

PREREQUISITE: MUST HAVE EARNED A “C” OR BETTER IN ALG-II-H.

344-Pre-Calculus* - HONORS

(For students who have taken Adv. Math)*

The purpose of this course is to offer our college-bound seniors an advanced college-prep math course.

350-Calculus - AP - This course is intended as an introduction to calculus with elementary functions. The student receives a review of functions. New topics include limits and continuity, differential calculus, and integral calculus. Enrolled students are required to purchase a graphing calculator specified by the instructor. Upon completion of the course, students are required to take the national AP exam for Calculus-AP.

PREREQUISITE: MUST HAVE EARNED A “C” OR BETTER IN ADV.MATH-H.

352-Financial Math - STANDARD - The primary objective is to teach students how to make intelligent modern-day decisions. Topics included are home and automobile purchases, loans, budgets, savings, banking practices, investments, social security laws, taxes, and IRS forms, personal records, and credit purchases.

NOTE: NOT ALLOWED CONCURRENTLY WITH ALGEBRA II. RECOMMENDED FOR NON-COLLEGE BOUND STUDENTS, THIS COURSE DOES NOT MEET COLLEGE/UNIVERSITIES OR TOPS REQUIREMENTS. NOT OPEN TO STUDENTS WHO HAVE COMPLETED ALGEBRA II.

357-Computer Science I - ACADEMIC - This course is a computer programming course using the Visual Basic language. Emphasis is placed on developing sound problem solving techniques and program documentation skill for computer applications, as well as gaining proficiency in the Visual Basic language. Students are required to design, code, and test computer programs on various computer topics. Keyboarding is recommended but not required. (PREREQUISITE: MUST HAVE EARNED A “B” OR BETTER IN ALGEBRA II.)

356-Computer Science I - HONORS - This course covers all the aspects of computer programming using the Visual Basic language as the academic phase, but at an accelerated rate. This course is recommended for any student who intends to enroll in any computer science course in college. Keyboarding is recommended but not required.

PREREQUISITE: MUST HAVE EARNED A “B” OR BETTER IN ALGEBRA II.

358-Computer Science II – HONORS – This course covers all the aspects of computer Programming using the C+ language. This course is recommended for any student who intends to major in computer science or enroll in any computer science courses in college.

PREREQUISITE: MUST HAVE EARNED A “C” OR HIGHER IN COMPUTER SCIENCE I-HONORS.

355-Computer Applications – ACADEMIC – The main component of this course will be the development of the school website. Students will use software to create and maintain webpages, work in graphic design creating artwork, logos, posters and slideshows. Students will also take pictures at school events and edit for use on the website, yearbook, and slideshows.

Students should have high interest in computer graphics and design. All work will be done in the new Mac lab on iMac computers. In addition to the Mac software, other programs in Adobe Web Design such as Adobe Dreamweaver and Photoshop will be used. Experience is beneficial but necessary for enrollment. This is a hands-on course, not lecture based. Part of the student's grade will be in the field covering school events after regular school hours. Students work will be graded with **rubrics**, and students will produce a digital **portfolio** of all of their work in the course. Student enrollment is limited. **Teacher approval required.**

359-Multimedia Productions – ACADEMIC – This is a course that concentrates on the systematic design and development of effective, efficient, and appealing visual productions. It includes filming and editing combining text, graphics, sound, animation, and video. Students will plan and design production sequences, then use computers-based authoring/multimedia software to deliver the production. Some projects of school events will be available for viewing on closed circuit television. Others will be added to the school website. All editing work will be done in the new iMac lab using Apple software programs such as iMovie, Final Cut Studio, and Garage Band. This is a hands-on course, not lecture based. Part of the student's grade will be in the field covering school events after regular school hours. Students' work will be graded with **rubrics**, and students will produce a digital **portfolio** of all of their work in the course. Student enrollment is limited. **Teacher approval required.**

362- Computer Architecture – ACADEMIC –
Class sessions consist of learning computer software and hardware in order to do repairs.

363 – Computer Independent Study – ACADEMIC –
This is an advanced class consisting of learning computer software and hardware in order to do repairs.

SCIENCE DEPARTMENT

400-Science 8 – This course is designed to prepare students for physical science academic. Topics covered include introduction to measurement, matter, energy, the periodic table, earth science and motion.

413-Physical Science - STANDARD – This course is a rudimentary look into the four main sciences that will be encountered in subsequent courses: life science(biology), chemistry, earth science, and physics. Students will learn introductions into scientific methods and laboratory skills. This course does not count toward high school credits.

412-Physical Science - ACADEMIC - A required one-year course designed for students enrolled in the academic core. It is an introduction to the principles of chemistry and physics; that is, a study of matter itself looking at how it changes and how it interacts. Topics of chemistry include properties of matter, reactions, solutions, nuclear and organic chemistry. Topics of physics include motion, force, energy, and light. Basic problem solving techniques are introduced.

411-Physical Science - HONORS - A required one-year course designed for students enrolled in the honors core. With an accelerated pace, it is a comprehensive introduction to the principles of chemistry and physics. Topics covered are the same as those in the academic course. The material is learned through use of lecture, laboratory

work, demonstration, and written assignments. Basic problem solving techniques are introduced.

422-Biology I - ACADEMIC - A required one-year course designed for students enrolled in the academic core. This course is based on the broad concepts applicable to all living systems. These concepts include cell biology, evolution, genetics, taxonomy, plants, animals, human anatomy, and physiology. Laboratory experiences coincide with material covered in lecture.

421-Biology I - HONORS - A required one-year course designed for students enrolled in the honors core. With an accelerated pace, it is a comprehensive study of all living systems. Topics covered are the same as those in the academic course. Laboratory experiences are designed to afford students an opportunity for direct involvement of the lecture material. Students may be expected to do mini-reports and read abstract selections from periodicals.

PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN PHYSICAL SCIENCE-H

471-Biology II - HONORS - This is a second year advanced placement level course that expands upon the subject matter covered in the first year. It is a college level course that requires students to meet once a month after school for approximately two hours to perform laboratory activities. Topics focus on molecular, cellular, metabolic, and genetic areas in the first semester. Ecology, evolution, anatomy/physiology, and taxonomy are emphasized in the second semester.

PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN BOTH BIOLOGY I-H AND OR HAVE TEACHER RECOMMENDATION.

452-Chemistry - ACADEMIC - An elective one-year course designed for students enrolled in the academic core. In this course students learn names, symbols, and properties of basic elements, common compounds and mixtures. A knowledge of how compounds are formed, their formulas, and uses is acquired. Balancing equations is covered in detail. Other topics include the gas laws, acids, bases and salts, and stoichiometry. Use of basic equipment.

PREREQUISITE: MUST HAVE HAD OR BE ENROLLED IN ALGEBRA II. MUST HAVE PASSED PHYSICAL SCIENCE OR OTHER COURSE SIMILAR.

451-Chemistry - HONORS - An elective one-year course designed for students enrolled in the honors core. Topics covered are the same as those in the academic course, but with greater depth and faster pace. Additional topics include quantum mechanics, organic chemistry, and analytical chemistry. Laboratory experiments accompany context.

PREREQUISITE: MUST HAVE HAD OR BE ENROLLED IN ALGEBRA II HONORS AND HAVE EARNED A "B" OR BETTER IN ALGEBRA I AND BIOLOGY I. ALL OTHER STUDENTS MUST HAVE TEACHER RECOMMENDATION.

453-Chemistry II – AP – This is a second year advanced placement level course taught at a college pace. Topics covered include chemical kinetics, solutions, periodicity, organic chemistry, and equilibria. This course is laboratory-intensive; after school or Saturday lab work may be required on occasion. The curriculum is in accordance with the Advance Placement guidelines.

PREREQUISITE: MUST HAVE EARNED A "B" OR HIGHER IN CHEMISTRY-HONORS. SENIORS HAVE PRECEDENCE. JUNIORS AND THOSE NOT

MEETING THE PREEQUISITE MUST HAVE TEACHER APPROVAL.

462-Environmental Science – ACADEMIC – This course provides an understanding of the way the world works through the study of ecosystems, their interactions and changes, and their response to human development. This course gives an understanding of the relationship we have with the environment.

NOTE: THIS COURSE IS RECOMMENDED AS THE THIRD SCIENCE REQUIREMENT FOR STUDENTS NOT PLANNING TO ATTEND COLLEGE.

474-Anatomy and Physiology – ACADEMIC – This course will be designed to familiarize students with human anatomy, physiology and associated medical terminology. This course will be associated with practical applications for health fields, to gain a “real world” understanding.

481-Physics - HONORS - An elective one-year course designed for the students enrolled in the honors core. Topics covered are the same as those in the academic course. In addition, rotational mechanics, magnetism, and nuclear physics are covered. The material is learned through the use of lecture, laboratory work, demonstration, and written assignments. Lab reports and science article abstracts will be required.

PREREQUISITE: MUST HAVE HAD OR BE ENROLLED IN ADV. MATH-H AND MADE A “B” OR BETTER IN BOTH ALGEBRA II-H AND MUST HAVE TAKEN AND PASSED CHEMISTRY I.

482-Physics - ACADEMIC - An elective one-year course designed for students enrolled in the academic core. Students will study the relationship between matter and energy. Basic laws of physics will be studied and problems related to these laws will be solved with appropriate techniques. Topics of study will include mechanics, dynamics, thermodynamics, wave mechanics, and electrostatics. Lab experiments related to covered topics will be done in groups. Lab reports and science article abstracts will be required.

PREREQUISITE: MUST HAVE EARNED A "C" OR BETTER IN ALGEBRA II.

SOCIAL STUDIES DEPARTMENT

512-Civics - ACADEMIC - This is a senior-level course which covers an in-depth study of federal, state, and local government (legislative, executive, and judicial branches of each.) Students will study election procedures, practical economics, citizenship and consumer problems. When appropriate, current events will be related to these topics. Students are introduced to the differences between Americanism and Communism. Outside reports and projects may be required.

511-Civics - HONORS - This is a senior-level course which offers an in-depth study of federal, state, and local government (legislative, executive, and judicial branches of each.) Students will study election procedures, practical economics, citizenship and consumer problems. When appropriate, current events will be related to these topics. Students are introduced to the differences between Americanism and Communism. Outside reports and

projects may be required.

540-Civics – AP – This course is designed to provide a college-level experience and preparation for the Advanced Placement Examination. The course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Independent reading, reports, and projects will be required. This course is open to seniors only. **Senior-level** course. Students **are required to register and pay** for the AP exam.

532-American History - ACADEMIC - This is a junior-level course which offers an in-depth survey of the political, economic, social, and cultural development of the United States from colonial times to the present. Emphasis is placed on the development since the Civil War and the growth of the U.S. as a world power.. Outside reports and projects may be required.

531-American History - HONORS - This is a junior-level course which offers an accelerated study of the same topics listed in the standard American History. Independent work, reports, and projects will be required. In reference to historical events, patterns, and personalities, students will be expected to compare and contrast, draw conclusions and make correlations. Students enrolled in this course SHOULD also be enrolled in English III-H.

538-American History – AP – This is a junior-level course which is intended for qualified Students who wish to complete studies equivalent to college introductory courses. The course is designed to provide students with the analytic skills and factual knowledge to deal critically with the problems and materials in United States history. Independent reading, reports, and projects will be required. In reference to historical events, patterns, and personalities, students will be expected to compare and contrast, draw conclusions, and make correlations. Students **are required to register and pay** for the AP exam.

552-World History - ACADEMIC - This course offers a survey of the history of the world from prehistoric man to the present. Consideration of geographical, economic, political, religious, and cultural factors influencing the direction taken by world groups is covered. Independent reports, research and projects may be required.

551-World History - HONORS - This course covers the same topics listed under academic World History at a faster pace and in more depth. Independent work, reports, and projects will be required.

542-Psychology - ACADEMIC - This course offers an introduction to the basic theories of psychologists, such as Freud and Skinner. It is taught on a personal adjustment level, with the students learning about themselves, others, family, and society. Such topics as intelligence, motivation, self-esteem, stress, and personality disturbances are covered. Outside reports and projects will be required.

NOTE: OPEN TO SENIORS ONLY.

522-World Geography- ACADEMIC - This course concerns the study of the earth and its features and the distribution on the earth of life: including the position of continents, mountains, oceans, and rivers; the arrangement and boundaries of countries, states, and cities; and the effect of location on climate, resources, population, products, etc. Outside

reports and projects may be required.

521-World Geography - HONORS - This course covers the same topics listed under academic world geography but in more depth and detail and at a faster pace. Independent reports, research and projects will be required.

FOREIGN LANGUAGE

252-French I - ACADEMIC - This course is designed to introduce students to the tools for understanding and communicating in oral and written French. Useful phrases, idiomatic expressions, vocabulary, and basic grammar are taught and used. Different aspects of French culture in various countries are discussed.

253-French II - ACADEMIC - This course is designed to further the students' knowledge of oral and written communication in French. Vocabulary is increased and additional grammar is covered. Different aspects of French culture in various countries are discussed.
PREREQUISITE: FRENCH I OR EQUIVALENT.

258-French III - HONORS - This course is designed to further the students' knowledge of oral and written communication with emphasis on creating with the language. Vocabulary is polished and grammar is applied in context. Instruction is proficiency-oriented and conducted in French. Contemporary French culture is discussed.
PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN FRENCH II.

262-French - AP - Course is designed in preparation for the College Board Advanced Placement Exam in French Language. Intensive practice in the use of language both in understanding written and spoken French and in responding in correct and idiomatic French.
PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN FRENCH III.

254-Spanish I - ACADEMIC - This course is designed to orient students in the procedures and rationale of the listening-speaking method. Vocabulary building and grammar are stressed. Opportunities are provided to hear and comprehend basic dialogues, patterns, pronunciation drills, and structure exercises by the teacher and native voice recordings. Spanish civilization is also included.

255-Spanish II - ACADEMIC - This course develops skills in speaking, reading and writing in Spanish through an in-depth study of the structure and grammar.
PREREQUISITE: SPANISH I

259-SPANISH III - HONORS - This course continues the study of structure and grammar of Spanish including the subjunctive. History and culture of Hispanic America is studied as well as the impact of Hispanic Americans on the United States.
PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN SPANISH II.

276-Spanish IV – AP – Course is designed in preparation for the College Board Advanced Placement Exam in the Spanish Language. It has intensive practice in the use of language both in understanding written and spoken Spanish. PREREQUISITE: MUST HAVE EARNED A "B" OR BETTER IN SPANISH III.

BUSINESS DEPARTMENT

853-Accounting – ACADEMIC – This course gives training in basic bookkeeping procedures of double-entry bookkeeping as it is used in business. Income tax returns are studied, and students are instructed in keeping accurate and up-to-date records as required by our government.

NOTE: OPEN TO JUNIORS AND SENIORS ONLY.

FINE ARTS DEPARTMENT

700-Fine Arts Survey – ACADEMIC – This is a one year, one credit introductory course to the Visual and Performing Arts. Visual Arts includes one semester of art history, principles of art, elements of design and beginning drawing. Media used include textbook and notes, slides, videos, projects, and pencil drawings. Performing Arts includes one semester of theatre history, elements of production and an in-depth study of a modern drama. Independent projects and critiques of live performances will also be assessed.

720-Theatre I – ACADEMIC – This course is a performance-based class. Students will not only be assessed with written tests, but a majority of the grade will be based on scenes performed in class as well as outside projects. Some history of the theatre and the play production process are also covered.

751-Art I STUDIO - ACADEMIC – (Formerly 752-Art II) **Starting with the 2008-09 school year this course is the first year of ADVANCED drawings** and perspective in a variety of media such as pencil, charcoal, ink, and pastels. Painting in watercolor and acrylics, printmaking, and graphic design will also be done. Students will learn the elements of art and the principles of design in order to generate effective compositions. Students are expected to produce a sketchbook of drawings and a portfolio of artworks. Art fees are included in the book fee.

752-Art II STUDIO - ACADEMIC – Beginning in the 2009-2010 school year this course will replace our 754-Art III. NO STUDENT should schedule this course for the 2008-09 transitional year.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

957-Food Science - ACADEMIC - This course introduces students to the nutritional needs and factors affecting food choices of people of various ages. Topics covered include nutrition, digestion, food safety, and food preparation. Students will learn practical application of principles in food laboratories.
SENIORS AND JUNIORS RECEIVE PRECEDENCE.

953-Child Development - ACADEMIC – In this course, students will study the physical, Intellectual, social and emotional growth and development of children from birth through early childhood. The course is designed so students will gain a greater appreciation and understanding of themselves in addition to the children in their lives. Class projects, discussions and field trips will be employed to clarify and enhance learning skills.
SENIORS AND JUNIORS RECEIVE PRECEDENCE.

NOTE: THIS IS A ½ CREDIT COURSE offered in the 1st semester.

958-Parenthood Education – ACADEMIC - Students take a look at the rewards, Responsibilities, and challenges involved in the parenting role. The importance of the decision to become a parent is reinforced. Guidance, discipline, providing a nurturing environment, and balancing work and family responsibilities is the main focus of the course. Projects, discussions, and interviews will provide for application of instructional information.

SENIORS AND JUNIORS RECEIVE PRECEDENCE.

NOTE: THIS IS A ½ CREDIT COURSE offered in the 2nd semester.

HEALTH & PHYSICAL EDUCATION DEPARTMENT

610-Health & Physical Education I – ACADEMIC – (1st year H & PE)

&

620-Health & Physical Education II - ACADEMIC – (2nd year H & PE)

Emphasis is placed on the acquisition of basic skills, knowledge of rules, and proper sportsmanship. In the second year the development of general motor skills is stressed. The program introduces students to team and individual sports such as volleyball, badminton, ping-pong, basketball, bowling and physical fitness. Students are also exposed to health education topics such as nutrition, drug education, basic first aid, and safety education.

621-Athletic Health & Physical Education II -Sophomore Level – ACADEMIC –

This course will cover the health curriculum covered in H & PE II but will also give athletes an opportunity to do training in their respective sport.

PREREQUISITE: THE COACH'S PERMISSION FOR THIS STUDENT'S RESPECTIVE SPORT IS REQUIRED.

630-Physical Education-III - ACADEMIC - These are elective courses offered to juniors and seniors. Various activities are offered.

631-Athletic Physical Education-III – ACADEMIC – This course is offered to give athletes an opportunity to do training in their respective sport.

PREREQUISITE: THE COACH'S PERMISSION FOR THIS STUDENT'S RESPECTIVE SPORT IS REQUIRED.

642-Physical Education IV - ACADEMIC - These are elective courses offered to a senior who has had Physical Education III. Various activities are offered.

640-Athletic Physical Education-IV – ACADEMIC – This course is offered to give athletes an opportunity to do training in their respective sport.

PREREQUISITE: THE COACH'S PERMISSION FOR THIS STUDENT'S RESPECTIVE SPORT IS REQUIRED.