

COURSE SELECTION GUIDE

For

2009-2010



FRANK H. PETERSON
ACADEMIES OF TECHNOLOGY

7450 Wilson Boulevard
Jacksonville, Florida 32210

I welcome you to Frank H. Peterson Academics of Technology, a Career College Preparatory School filled with unique opportunities for career-focused studies. Our school can prepare you for varied work experiences, college preparation and on-the-job work opportunities.

The following pages explain the options available. This Course Selection Guide was developed so you could make choices for next school year and beyond based on your goals.

Some of the features in this guide include:

- Graduation requirements
- Promotion requirements
- Course descriptions
- Bright Futures information

One important item to remember is that many of the courses a rising 9th grade student may take are determined by the student's 8th grade FCAT scores. There are cases when a 9th grade student must take an Intensive Reading course to fill out their schedule as opposed to a vocational class. These students may need to continue work on the academic foundation the first year of high school. As students earn credits in 9th and 10th grade, their options will increase and they will be able to enroll in more courses that match their goals and career interest.

Sincerely,

Principal

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Curriculum Guide

The curriculum at Frank H. Peterson is based upon educational options and career planning activities to help the student prepare for career challenges after high school. By graduation, all students should be prepared to continue their education, enter the workforce, or both. Scheduling options allow students to take part in job training, mentorships, internships, and college preparatory courses during their high school years. The rapid rate of discovery in our world demands that everyone possess the academic skills to continue the learning process throughout life.

All required classes are offered each year. Elective courses listed in this catalog will be offered if sufficient student demand is demonstrated. Careful attention should be paid to the prerequisites for courses to insure that students have the appropriate background to be successful.

Course Selection

Students should plan their schedules carefully, with consideration being given to their entire four years in high school. It is imperative that students and parents make wise choices in selecting courses to insure that requirements for graduation and work internships are met. The availability of courses is contingent upon requests and enrollment.

Schedule Change Policy

It is important that you are aware of the **SCHEDULE CHANGE POLICY** when you make your course selections. **No course may be added or dropped after the tenth day of enrollment in any class.**

EXCEPTIONS WILL BE CONSIDERED.

1. Administrative action becomes necessary as a result of out-of-balance in class loads or the loss/ or gain of a teaching unit.
2. An additional course is needed to meet graduation requirements.
3. A schedule adjustment is required due to courses completed in summer school.
4. A student is inadvertently scheduled into a class without the proper prerequisite.
5. A student is inadvertently scheduled into a class they have passed previously.

Promotion Policy

To Grade	Credit Requirement	GPA*	FCAT
10	5 credits including 1 English or 1 mathematics	NA	No FCAT
11	12 credits including 2 English and 2 mathematics and/or science	NA	No FCAT
12	18 credits including 3 English and either 3 mathematics and/or science	1.5 or above	FCAT Science**

*A grade point average of 2.0 shall be interpreted as a cumulative grade point average required for graduation.

**Students who score a Level 1 on the FCAT Science SSS but who meet all other criteria for promotion from Grade 11 to Grade 12 will be eligible for promotion at the end of the first semester during the year following the administration of the FCAT Science SSS

PBD PROGRAM

The Performance Based Diploma Career Development Program is designed for students who are not having success in the regular school program, but who have a desire to receive job training and continue with an alternative academic education. Testing and assessments are used as selection criteria for admission into the program. Parent permission is also required. When accepted, students are enrolled in vocational and alternative education classes. The alternative education classes consist of two state approved drop-out prevention programs:

1. The academic component: Math, Language Arts, Career Training
2. Community in Schools: A Crisis Program

These programs, combined with the vocational training, make up the Performance Based Diploma - Career Development Program.

FLORIDA'S BRIGHT FUTURES SCHOLARSHIP PROGRAM

Florida's Bright Futures Scholarship Program is the umbrella program for three state-funded scholarships based on academic achievement in high school.

1. GENERAL ELIGIBILITY REQUIREMENTS

Each of the three scholarship awards has specific criteria that must be met. However, to be eligible for an initial award from any of the three types of scholarships under Florida's Bright Futures Scholarship Program, a student must:

- be a Florida resident and a United States citizen or eligible non-citizen as determined by your postsecondary institution,
- earn a standard high school diploma or its equivalent from a public or private high school, or complete a home education program,
- be accepted by and enrolled in an eligible Florida college and pursue an undergraduate degree or enroll in a postsecondary adult vocational certificate program,
- be enrolled for at least six (6) semester credit hours or the equivalent
- not have been found guilty of or pled *nolo contendere* to a felony charge,
- release eligibility information to the Florida Department of Education by completing a Florida Financial Aid Application (FFAA), and
- begin using the award within three years of high school graduation.

2. THE FLORIDA ACADEMIC SCHOLARS AWARD

A student is eligible for a Florida Academic Scholars Award if the student meets the general eligibility criteria requirements for the Florida Bright Futures Scholarship Program and:

- has attained a minimum unrounded, weighted (.5) cumulative GPA of 3.5 or higher in 15 credits of college preparatory academic classes identified on the Bright Futures website at www.edu.doe.brfuture; AND
- has completed 75 hours of community service; AND
- has attained a score of 1270 on the SAT Reasoning Test or 28 on the ACT test; OR
- is a Scholar or Finalist in either the National Merit Scholarship Program or the National Achievement Scholarship Program sponsored by the National Merit Scholarship Corporation; OR
- is a Scholar in the National Hispanic Scholars Program sponsored by the National Merit Scholarship Corporation; OR
- be in Early Admissions with a score of 270 on the SAT or 28 on the ACT tests and a 3.5 weighted GPA in curriculum course completed; OR
- has participated in a state-approved home education program according to s.1002.41, F.S., registered with the district during grades 11 and 12 and has earned a score of at least 1270 SAT or 28 ACT; OR
- has a GED and score of at least 1270 SAT or 28 ACT with a 3.5 weighted (.5) GPA in college preparatory courses completed; OR
- has completed a 3-year standard college preparatory program with a score of 1270 on the SAT or 28 on the ACT tests and a 3.5 weighted GPA in the required credits

STUDENTS SHALL BE REQUIRED TO COMPLETE 75 HOURS OF COMMUNITY VOLUNTEER SERVICE TO BE ELIGIBLE FOR THE ACADEMIC SCHOLARS AWARD.

3. THE FLORIDA MEDALLION SCHOLARS AWARD

A student is eligible for a Florida Medallion Scholars Award if the student meets the general eligibility criteria requirements for the Florida Bright Futures Scholarship Program and:

- has achieved a minimum unrounded, weight (.5) cumulative GPA of 3.0 or higher in 15 credits of college preparatory academic classes identified on the Bright Futures website at www.edu.doe.br/futures; AND
- has earned a minimum score of 970 on the SAT Reasoning Test or a minimum score of 20 on the ACT test OR
- is a National Merit or Achievement Scholar or Finalist or National Hispanic Scholar who has not completed 75 hours of community service; OR

- has completed the IB or AICE Curriculum with a score of 970 SAT or 20 ACT; OR
- has received the IB or AICE Diploma who has not completed 75 hours of community service; OR
- be in Early Admissions with a score of 972 SAT or 20 ACT and a 3.0 weighted GPA in curriculum courses completed; OR
- has a GED with a score of 970 SAT or 20 ACT and a 3.0 weighted GPA in the 15 required credits; OR
- has participated in a state-approved home education program according to s. 1002.41, F.S., registered with the district during grades 11 and 12, and has earned a score of 1070 SAT 23 ACT; OR
- has completed a 3-year standard college preparatory program with a score of 970 on the SAT or 20 on the ACT test and a 3.0 weighted GPA in the required credits.

House Bill 5005 permits Florida Medallion Scholars who attend public community colleges as associate degree-seeking students to receive funding for an amount equal to 100% of tuition and fees (may include lab fees up to \$300 per semester). This applies to initial and renewal students beginning fall 2006.

4. FLORIDA GOLD SEAL VOCATIONAL SCHOLARS AWARD

A student is eligible for a Florida Gold Seal Vocational Scholars Award if the student meets the general eligibility criteria requirements for the Florida Bright Futures Scholarship Program and:

- Completes 16 credits of college preparatory academic classes identified on the Bright Futures website at www.edu/doi/brfutures; AND
- A 3.0 weighted GPA in above courses (for 4-year diploma), AND
- 3 career/technical job-preparatory or technology education program credits in one career/technical program with an unweighted 3.5 GPA in those courses, AND
- a minimum score on each subsection of either the CPT or SAT or ACT (Subsections of different test types may not be combined.)
 - CPT Reading 83/Sentence Skills 83/Algebra 72
 - SAT Verbal 440/Math 440
 - ACT English 17/Reading18/Math 19.

Course Offerings for 2008-2009

Automotive

The automotive program at Frank H. Peterson Academies of Technology consists of three major areas: Automotive Collision Repair and Refinishing, Automotive Service Technology and Heavy Duty Truck (Diesel Equipment Technology).

Automotive Collision Repair and Refinishing

The course content will include the following: basic trade skills; refinishing skills; sheet metal repair skills; frame and unibody squaring and aligning; use of fillers; paint systems and undercoats; related welding skills; related mechanical skills; trim-hardware maintenance; glass servicing; and other miscellaneous repairs. The course content should also include training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Automotive industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues, and health, safety and environmental issues.

Automotive Service Technology

The purpose of the program is to prepare students for employment and/or specialized training in the automotive industry.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Automotive industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

Theory instruction and hands-on performance of all the basic tasks will provide initial training for employment in the automotive service field or further training in any or all of the specialty areas. Competency in the tasks will indicate to employers that the graduate is skilled in that area.

Heavy Duty Truck (Diesel Equipment Technology)

The purpose of this program is to prepare students for employment as bus, truck and diesel engine mechanics, diesel mechanics helpers, Mobile heavy equipment mechanics, construction equipment mechanics, industrial truck mechanics.

The course content will include, but not limited to, the following: maintaining and repairing diesel engines and electrical systems; reconditioning diesel fuel injection systems; overhauling diesel engines; and performing diesel engine preventive maintenance.

The course content should also include training in communication, leadership, human relations and employability skills; and safe efficient work practices.

Aviation

The purpose of the program is to prepare students for employment or advanced training in the commercial and general aviation industry. Instruction is designed to prepare students for Federal Aviation Administration (FAA) license examinations. A student may complete specified portions for employment or continue to advance training.

Child Care

The Child Care program focuses on school age skills and stresses understanding and demonstration of the following elements of the child care industry; professionalism, out of school environments, physical and intellectual competence, family involvement, developmentally appropriate practices for school age children and program management.

Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment and materials appropriate to the program content and in accordance with high quality standards in the field. Activities provide instruction in the use of manipulative equipment; language development; creative art, music, science, dramatic play, developmentally appropriate practices, and brain research. Observation and supervised work experience with young children in a school laboratory or a community laboratory setting are an integral part of this program.

Communications

The Communications program at Frank H. Peterson Academies of Technology consists of three major areas: Commercial Art, Multi-Media and Television Production.

Commercial Art Technology

The purpose of this program is to prepare students for employment as artists and related workers, illustrators and commercial designers.

The course content will include the following: basic art skills; lettering skills; preparation of layouts and illustrations; preparation of camera ready paste-up; and development of specialized skills.

Shop or laboratory activities are an integral part of this program. These activities provide instruction in the use of tools, equipment, materials and processes found in the industry. Students are also instructed in the following: lettering signs, layout and design for advertising art, airbrush illustrations, photo retouching and custom work.

Multi-Media

This program is designed to prepare students for employment as a Computer Support Assistant, Information Technology Assistant, Network Support Technician, Systems Administrator, Systems Engineer, Wireless Network Administrator and Data Communications Analyst.

This program offers a broad foundation of knowledge and skills to prepare students for employment in network support services positions. The content includes instruction in computer literacy; software application support; basic hardware configuration and troubleshooting; networking technologies, troubleshooting, security, and administration; and customer service and human relations skills.

Television Production

The purpose of this program is to prepare students for initial employment as television production operators, television broadcast technicians, camera operator, all other professional/paraprofessional technicians, video recording engineers, audio recording engineers.

Cosmetology

A student **completing** the Cosmetology program is prepared for employment as a licensed Hairdresser and Cosmetologist (SOC 39-5012). Instruction is designed to qualify students for employment upon successfully obtaining a Cosmetology license.

The content includes, but is not limited to: communication, leadership, human relations and employability skills; safe and efficient work practices; Florida cosmetology law and rules; acquisition of knowledge of the cosmetology/nails specialist/facial specialist and the related chemistry; bacteriology, anatomy and physiology; art of make-up; and development of skill in performing the manipulative and electrical techniques required in the practice of cosmetology/nails specialist and facials specialist occupations.

Culinary Arts

The course content will include the following: food preparation and serving; and identification, storage, selection and presentation of a wide variety of foods.

The course content will also include training in communication, leadership, human relations and employability skills; and safe, efficient work practices.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Commercial Foods and Culinary Arts industry: planning, management, finance, technical and product skills, underlying principles of technology, labor issues, community issues and health, safety, and environmental issues.

English/Language Arts

ENGLISH I – 1 English Credit (100131001)

Prerequisite: English 8

This course develops skills in the use of oral and written language through critical thinking and reading.

ENGLISH I HONORS – 1 English Credit (100132001)

Prerequisite: English 8 A or B, teacher recommendation

This course requires concentration in the areas of composition and literature. Composition, Structure, and types are stressed as well as proof reading and editing skills. An exposure to various types of cultures is provided by a survey of world literature that includes Shakespearean and Greek drama and Roman mythology. Additional work in speaking before groups is included when appropriate.

ENGLISH I ESOL – 1 English Credit – (100231006)

The English for Speakers of Other Languages program is designed to provide the non-native English student with a program that allows the students to develop critical skills in the English language. Specific skills addressed are reading, writing, speaking, and listening.

INTENSIVE READING – 1 English Credit – (100041001)

This course is required Duval County for all students that score a Level 1 or Level 2 on the FCAT Reading.

ENGLISH II – 1 English Credit (100134001)

Prerequisite: English I

Students will improve reading and critical thinking skills by analyzing selections found in world literature and in practical publications.

ENGLISH II HONORS – 1 English Credit (100132001)

Prerequisite: English I with an A or B

Assignments integrating reading, writing, speaking, and listening skills will help students refine reference methodology and apply critical thinking skills.

ENGLISH II ESOL – 1 English Credit (100231006)

Students will improve their skills in reading, writing, speaking, and listening by utilizing skills acquired during the previous year. Grammatical concepts will also be addressed in this course.

ENGLISH III – 1 English Credit (100137001)

Prerequisite: English II

This course studies literal and inferential comprehension, usage, and punctuation, plus forms and elements of American Literature.

A P ENGLISH LANGUAGE – 1 English Credit (100142001)

Prerequisite: English II A or B average

This course emphasizes evaluative techniques focusing on literary analysis through a variety of written and oral compositions. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

ENGLISH III ESOL – 1 English Credit (100232006)

Students will improve their skills in reading, writing, speaking, and listening by utilizing skills acquired during the previous years. Grammatical concepts will continue to be addressed.

ENGLISH IV– 1 English Credit (100140001)

Prerequisite: English III

A review of reading, vocabulary, and usage, reinforces skills students need to complete objectives in literature, job interviews, resumes writing. Oral and written communication is emphasized.

A P ENGLISH LITERATURE – 1 English Credit (100143001)

Prerequisite: A or B average

This advanced course provides students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. This course also provides a variety of writing opportunities calling for the use of different styles. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

ENGLISH IV ESOL – 1 English Credit (100252006)

A review of the skills in reading, writing, speaking, and listening will be emphasized during this final stage of the ESOL program.

INTENSIVE READING (PBD) – 1 English Credit (100041005)

This course concentrates on reading, writing, and literature comprehension for the Performance Based Diploma student. Students will improve reading and critical thinking by analyzing reading selections.

SPEECH I – 1/2 Performing Arts Credit (100730001)

The purpose of this course is to enable students to develop fundamental skills in formal and informal oral communication including public speaking. Speeches may include a research component.

DEBATE I – 1/2 Performing Arts Credit (100733001)

The purpose of this course is to enable students to develop fundamental skills and techniques for use in debate and forensic activities, including communication skills, logic and critical-thinking skills, parliamentary procedure, argumentation and debate skills, analysis of debates, and timing and judging techniques.

Exceptional Education

ENGLISH 9 (791001010) 1 Credit

This course is designed to provide instruction in grammar, basic composition, reference materials, listening and speaking skills, and vocabulary development.

READING 9 (791006010) 1 Credit

This course is designed to provide instruction in basic functional oral and written communication skills.

ENGLISH 10 (791002010) 1 Credit

This course is designed to continue with the instruction in grammar, basic composition, reference materials, listening and speaking skills, and vocabulary development.

READING 10 (791007010)**1 Credit**

This course is designed to continue with instruction in basic functional oral and written communication skills.

ENGLISH 11 (791003010)**1 Credit**

This course is designed to continue with the instruction in grammar, basic composition, reference materials, listening and speaking skills, and vocabulary development.

READING 11 (791008010)**1 Credit**

This course is designed to continue with instruction in basic functional oral and written communication skills.

ENGLISH 12 (791004010)**1 Credit**

This course is designed to continue with the instruction in grammar, basic composition, and reference materials, listening and speaking skills, and vocabulary development.

READING 12 (791009010)**1 Credit**

This course is designed to continue with instruction in basic functional oral and written communication skills.

MATHEMATICS 9 (791201010)**1 Credit**

This course is designed to provide instruction in basic math computation. Instruction shall include but not limited to; computation, money, time, measurement, calculations, geometric shapes, fractions, decimals, and percentages.

MATHEMATICS 10 (791202010)**1 Credit**

This course is designed to continue with instruction in basic math computation. Instruction shall include but not limited to; computation, money, time, measurement, calculations, geometric shapes, fractions, decimals, and percentages.

MATHEMATICS 11 (791203010)**1 Credit**

This course is designed to continue with instruction in basic math computation. Instruction shall include but not limited to; computation, money, time, measurement, calculations, geometric shapes, fractions, decimals, and percentages.

MATHEMATICS 12 (791204010)**1 Credit**

This course is designed to continue with instruction in basic math computation. Instruction shall include but not limited to; computation, money, time, measurement, calculations, geometric shapes, fractions, decimals, and percentages.

SCIENCE-BIOLOGICAL (792002010) 1 Credit

This course is designed to provide general exploratory experiences in the fundamental concepts of life. Knowledge in the scientific method, study of cells, genetics, plants, animals, ecology, the food chain, body systems, and biological growth and change are the emphasis.

SCIENCE-PHYSICAL (792003010) 1 Credit

This course is designed to provide general exploratory experiences in the fundamental concepts of physics and chemistry.

SOCIAL STUDIES 9-12 (792102010) 1 Credit

This required course will focus on the events, times, individuals who developed the United States of America as well as the basic function of the government at local, state, national and international levels.

HEALTH and SAFETY (7920050) 1 Credit

This course is designed to prepare a student to make decisions that will help promote good health and safety. Focus is on nutrition, exercise, safety, and physical health.

ON JOB TRAINING PROGRAM (798013010) 1 Credit

This course is designed to provide the student with hands on work experience in the community.

Keystone

CAREER RESEARCH and DECISION MAKING (170038001) .5 Required Credit and CRITICAL THINKING SKILLS (170037001) .5 Required Credit (CAR RES & DEC MKG & CRIT THINK S)

This course is designed to help ninth grade students launch into their freshman year of high school and beyond. The course focuses on high school orientation, study skills, careers, career portfolios, and the human relation skills needed in to be a productive student and citizen in everyday life.

World Language/Spanish

SPANISH I (070834001) 1 Foreign Language Credit

An introductory course organized primarily for the progressive development of listening, comprehension, speaking, reading, and writing Spanish.

SPANISH II (070835001) 1 Foreign Language Credit

This course continues to place primary emphasis upon the development of the listening and speaking skills. Develop an appreciation of Hispanic culture through study of dance, music, history, art and food.

SPANISH III (070836001) 1 Foreign Language Credit

The student becomes increasingly more proficient in the basic skills with more emphasis placed on oral and written composition.

Health/Physical Education

HEALTH OPPORTUNITIES THROUGH PHYSICAL EDUCATION (HOPE) 1Credit

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. The content should include, but not be limited to, the following: risk and benefits of varying fitness levels; responsible decision making; development of an individual nutrition plan; safety and injury prevention (hydration, injury, violence, environmental issues, CPR); tobacco, alcohol, and other drug use and abuse; advocating for health and fitness promotion; technology application to facilitate health and fitness; safety education practices; apply fitness and health concepts; completion of a behavior change project; analyzing of skills-related fitness; analyzing consumer information and community resources; coping skills; interpersonal communication – communication, relationships, sportsmanship; disease prevention and control.

Mathematics

INTENSIVE MATH I – 1 Math Credit (12004001)

This course includes review, reinforcement, and extension of the skills and concepts of Algebra I.

ALGEBRA I – 1 Math Credit (120031001)

An introduction to the language and application of Algebra I, including the real number system, variables, algebraic expressions, linear equations, problem solving and application, polynomials, special products and factoring, introduces graphs, relations and functions, quadratic equations, rational and radical expressions, and basic statistics and probability. Scientific Calculator needed. Students receiving a “C” or better enroll in Geometry after Algebra I.

GEOMETRY – 1 Math Credit (120631001)

Prerequisite: Algebra I

This course includes the study of lines, planes, angles, triangles, polygons and circles, coordinate and three-dimensional geometry, reasoning and proof. A scientific Calculator is needed.

GEOMETRY HONORS – 1 Math Credit (120632001)

Prerequisite: Algebra I

This is the class offered to 9th grade students who completed Algebra I in the 8th grade with an A or B final average. This course stresses a continuous use of algebraic skills with attention to the concept of proof dealing with points, lines, planes and angles.

LIBERAL ARTS MATH I – 1 Math Credit (120830001)

Prerequisite: Algebra I and Geometry

This course includes review, reinforcement, and extension of the skills and concepts of Algebra I and Geometry.

ALGEBRA II – 1 Math Credit (120033001)

Prerequisite: Algebra I and Geometry

This course includes review and extension of the skills and concepts of Algebra I and Geometry. It includes the development of skills in simplifying, solving and graphing plus the study of functions, polynomials, quadratics, exponents, logarithms, matrices, and systems of equations. Graphing calculator needed. Students receiving a “C” or better enroll in Pre-Calculus after Algebra II.

ALGEBRA II Honors – 1 Math Credit (120034001)

Prerequisite: Algebra I and Geometry

This course includes more intensive study of the number system from real numbers to imaginary and complex numbers. Functions studied include polynomial, absolute value, radical, trigonometric, exponential and logarithmic functions. Problem solutions include direct and indirect variations. Graphing calculator required. Students receiving a “B” or better enroll in AP Calculus.

ADVANCED TOPICS IN MATHEMATICS – 1 Math Credit (129831001)

Prerequisite: Algebra II

The student will use new vocabulary that is introduced and taught directly related to background knowledge of subject and related content areas such as Geometry and Algebra II.

PROBABILITY AND STATISTICS WITH APPLICATIONS – 1 Math Credit (121030001)

Prerequisite: Algebra II

The student will write or solve real world problems which reports and integrates information and makes distinctions between relative value, specific data, facts and ideas.

PRE-CALCULUS – 1 Math Credit (120234001)

Prerequisite: Algebra II

This course is recommended as an introduction to Calculus. Emphasis is on the study of polynomial, rational, and trigonometric functions and their graphs. Contents include the study of trigonometry, conic sections, mathematical induction, sequences and series, limits and matrix algebra.

ADVANCED PLACEMENT CALCULUS (AB) – 1 Math Credit (120231001)

Prerequisite: Pre-Calculus

The selection of topics in this college level calculus course meets the requirements set forth in the syllabus of the College Entrance Examination Board for the AP examination in May.

ADVANCED PLACEMENT STATISTICS – 1 Math Credit (121032001)

Prerequisite: Algebra II or Pre-Calculus

The selection of topics in this college level statistics course meets the requirements set forth in the syllabus of the College Entrance Examination Board for the AP examination in May.

MATH FOR COLLEGE READINESS – 1 Math Credit (120070001)

Prerequisite: Algebra II

The content should include the following: functions and relations, polynomials, rational expressions, logarithmic and exponential functions, descriptive statistics and strategies for college readiness.

Science

BIOLOGY 1 – 1 Science Credit (200031001)

This is the introductory course in Biology with an in-depth study of living things.

BIOLOGY 1 HONORS – 1 Science Credit (200032001)

This is the introductory course in Biology with an in-depth study of living things. This is an advanced course requiring a project.

EARTH/SPACE SCIENCE – 1 Science Credit (200131001)

This course includes topics in geology, meteorology, astronomy, and oceanography. This course requires chapter projects.

EARTH/SPACE SCIENCE HONORS – 1 Science Credit (200132001)

This course includes topics in geology, meteorology, astronomy, and oceanography. This course requires chapter projects. This is an advanced course requiring a project.

CHEMISTRY 1 – 1 Science Credit (200334001)

Course material requires application of well-developed analytical skills. This course is designed to provide a foundation in Chemistry knowledge and skills.

CHEMISTRY 1 HONORS – 1 Science Credit (200335001)

Course material requires application of well-developed analytical skills. This advanced course requiring a project is designed to provide a foundation in Chemistry knowledge and skills. This is an advanced course requiring a project.

PHYSICS 1 – 1 Science Credit (200338001)

The topics in this course include measurement and graphing, kinematics, dynamics, energy, specific forces, waves, electricity, heat, optics-light, and modern physics.

PHYSICS 1 HONORS - 1 Science Credit (200339001)

Topics in this course include measurement and graphing, kinematics, dynamics, energy, specific forces, waves, electricity, heat, optics-light, and modern physics. This is an advanced course requiring a project.

ENVIRONMENTAL SCIENCE – 1 Science Credit (20014001)

Prerequisite: Biology

An integrated science survey course to enable students to develop knowledge of the ways that humans interact with the natural environment.

A P ENVIRONMENTAL SCIENCE – 1 Science Credit (200138001)

Prerequisites: Biology, Chemistry or Earth/Space and Algebra 1

This course uses the Advanced Placement outline and prepares the student to take the AP test in May. Content examines the interaction of man with the environment and will follow the outline provided by the College Board.

Social Studies

AMERICAN HISTORY – 1 Social Studies Credit (210031001)

The purpose of this course is to enable students to understand the developments of the United States within the context of history with a major focus on the post-Reconstruction period. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures, and humanities to solve problems in academic, civic, social, and employment settings.

A P UNITED STATES HISTORY– 1 Social Studies Credit (210033001)

This course will meet the American History graduation requirement.

Advanced Placement United States History is a demanding introduction to American history and culture that assumes a high level of interest and competence. Because this course is similar to a first-year college course, students should expect that the workload will be heavier than most high school history courses. The analytical thinking, writing and reading skills that students develop in AP U.S. History will equip them for college and lifelong learning. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

ECONOMICS – 0.5 Social Studies Credit (210231001)

This required course provides students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students will gain understanding of choices they must make as producers, consumers, investors and taxpayers.

A P MICROECONOMICS - 0.5 Social Studies Credit (210232001)

The student is introduced to basic concepts and principles necessary to function as an informed participant in the American economy. Emphasis is placed on the functions of the major economic systems operating in the world today. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

AMERICAN GOVERNMENT – 0.5 Social Studies Credit (210631001)

This required course enables students to gain an understanding of American government and political behavior that is essential for effective citizenship and active involvement in a democratic American society.

A P GOVERNMENT AND POLITICS – 0.5 Social Studies Credit (210642001)

This course will meet the graduation requirement for American Government

Students gain knowledge of the world's diverse political structures and practices through the study of government and politics in Great Britain, France, the Commonwealth of Independent States, China and developing nations. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

WORLD HISTORY – 1 Social Studies Credit (210931001)

The purpose of this required course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating member of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

A P WORLD HISTORY (210942001) – 1 Social Studies credit (210942001)

This course will meet graduation requirement for World History.

This course will provide students with an understanding of World History within the context of examining connections to the past in order to prepare for the future as participating members of a global community. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

PSYCHOLOGY I – 0.5 Social Studies Credit (210730001)

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others.

A P PSYCHOLOGY – 1 Social Studies Credit (210735001)

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavioral interaction, and the progressive development of individuals. This will better prepare them to understand their own behavior and them to understand their own behavior and the behavior of others. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

SOCIOLOGY - 0.5 Social Studies Credit (210830001)

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of beliefs, values and behavior patterns of others. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society.

WORLD CULTURAL GEOGRAPHY – 1 Social Studies Credit (210330001)

Students develop multicultural understanding and use geographical concepts and skills to acquire information and systematically apply decision-making processes to real-life situations. They will acquire an understanding of interrelationships between people and their environment.

A P HUMAN GEOGRAPHY – 1 Social Studies Credit (210340001)

This course is designed to study the historical and sociological, economical and political forces, which shaped society. We will examine and discuss national and international policies, attitudes and their correlation to prevailing approaches of today's global connectivity. The emphasis is on learning, discovering and thinking critically. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

A P EUROPEAN HISTORY – 1 Social Studies Credit (210938001)

Students will understand the development of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. This course uses the Advanced Placement outline and prepares the student to take the AP test in May.

FOUR YEAR PLANS

Level 1 Reading and Level 1 Math

Student's Name

Student Number

Student's Signature

Date

This plan of study should serve as a guide along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended and should be individualized to meet each student's educational and career goals. All plans should meet high school graduation requirements.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English I	English II	English III	English IV
Algebra I	Geometry	Required Math	Required Math
Earth Space Science	Biology I	Chemistry I	Required Science
Performing Fine Art or HOPE	World History	American History	American Gov't/ Economics
Intensive Reading	Intensive Reading	Intensive Reading	Intensive Reading
Intensive Math	Intensive Reading	Spanish I	Spanish II
Freshman Experience	Intensive Math	HOPE or Performing Fine Art	CTE class*
CTE class*	CTE class*	CTE class*	CTE class

*Depending on the student's success in math, this may be a math support class.

Level 2 Reading and Level 2 Math

Student's Name

Student Number

Student's Signature

Date

This plan of study should serve as a guide along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended and should be individualized to meet each student's educational and career goals. All plans should meet high school graduation requirements.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English I	English II	English III	English IV
Algebra I	Geometry	Algebra II	Required Math
Earth Space Science	Biology I	Chemistry I	Required Science
Performing Fine Art or HOPE	World History	American History	American Gov't/ Economics
Intensive Reading	Intensive Reading	Intensive Reading	Intensive Reading
Freshman Experience	CTE class*	Spanish I	Spanish II
CTE Class*	CTE class	HOPE or Performing Fine Art	CTE class*
CTE Class	CTE class	CTE class*	CTE class

*Depending on the student's success in math, this may be a math support class.

Level 3 or above Reading and Level 3 or above Math

Student's Name _____

Student Number _____

Student's Signature _____

Date _____

This plan of study should serve as a guide along with other career planning materials, as you continue your career path. Courses listed within this plan are only recommended and should be individualized to meet each student's educational and career goals. All plans should meet high school graduation requirements.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
English I Hon	English II Hon	AP English Lang	AP English Lit
Geometry Hon	Algebra II Hon	Pre-Calculus	AP Math
Biology I Hon	Chemistry I Hon	Physics I Hon	AP Science
AP Human Geography	AP World History	AP American History	AP American Gov't/ AP Micro Economics
Performing Fine Art or HOPE	CTE Class or Earth/Space Honors	AP elective*	AP elective*
CTE Class	Spanish I	Spanish II	Spanish III*
Freshman Experience	CTE class	HOPE or Performing Fine Art	CTE class
CTE Class	CTE class	CTE class	CTE class

*These classes may be replaced with additional CTE classes.