High School Course Selection Guide

ENGLISH/LANGUAGE ARTS

English I (General and Honors) 1 Credit
Grade 9
English I is the study of Multi-Cultural Literature. Students study a variety of cultural writings through short stories, poetry, novels, and plays. The multi-cultural study helps develop students’ personal interests and ability for personal thought processes. Students will also begin the development of the research and the writing process that will continue throughout a pre-AP to AP program.

English II (General and Honors) 1 Credit
Grade 10
English II is the study of World Literature. Students study American short stories, Greek Mythology, Shakespeare’s tragedies, and more. Through the diversity presented, students learn to develop reading and writing skills, but more importantly, learn a personal thought process and personal voice. These skills are further developed through research projects and the continued development of the writing process.

English III (General and Honors) 1 Credit
Grade 11
English III is the study of American Literature. Students learn the American literacy periods and literature that make up American history and American culture. Through American literature, students study short stories, poetry, novels, and plays, while developing the research and writing process.

English IV (General and Honors) 1 Credit
English IV is the study of British Literature. Students analyze pieces of literature and develop advanced writing skills.

Advanced Placement English
Language and Composition 1 Credit
AP Language is the study of American Literature. Students learn through non-fiction articles, short stories, speeches, and novels how to read analytically and write effective arguments. Through the College Board final exam, students have the opportunity to earn college credit.

Advanced Placement English
Literature and Composition 1 Credit
This course involves students in the study and practice of writing and in the study of literature. Students will learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Students should acquire an understanding of the writer's craft and develop critical standards for the appreciation of any literary work and increase their sensitivity to literature as shared experience. Students have the opportunity to earn college credit by examination in May. The content includes materials determined by the Advanced Placement Program.

Journalism I 1 Credit
Grades 9-12
The purpose of this course is to provide instruction in basic aspects of journalism and workshop experiences in journalistic production. Content includes instruction in recognizing and writing news for journalistic media, and in developing editorials, sports articles, and feature stories.

Journalism II-IV (Yearbook) 1 Credit
Grades 10-12
This class produces the Warrior yearbook for Bayshore Christian School. A commitment to excellence is necessary for each staff member. Advisor approval must be obtained before scheduling this course.
Hillsborough Community College Dual Enrollment – Language Arts
SPC 1608 Speech

MATHEMATICS

Algebra I (General and Honors) 1 Credit
Grades 8-9
The goal of this course is to study the language, concepts, and techniques of Algebra in order to prepare students to approach and solve problems following a logical succession of steps. Skills taught in this course lay the groundwork for upper level math and science courses.

Algebra II (General and Honors) 1 Credit
Grades 10-12
Students who have successfully completed Algebra I and Geometry should plan to take Algebra II. This course starts with a continuation of concepts studied in Algebra I. Students will be challenged by new concepts that require graphing skills, function analysis solving higher order equations, investigating complex number systems and working with matrices, logarithms, data analysis, and probability. Algebra II is for students who wish to prepare for further mathematics such as: Analysis of Function, College Algebra, AP Statistics, and AP Calculus.

Geometry (General and Honors) 1 Credit
Grades 9-12
Students who have successfully completed Algebra I should plan on taking Geometry. The study of Geometry includes experiences and activities that relate to the value of geometry in life. Emphasis is placed on the use of reasoning skills and two and three dimensional modeling to solve problems in math and the real world. Units of Geometry include: segments and angles; parallel and perpendicular lines; triangle relationships; congruent triangles; quadrilaterals; right triangles and trigonometry; and polygons and area.

Integrated Math III 1 Credit
Grades 10-12
Integrated Math is a course selected beyond Algebra II. It covers a variety of topics including probability, statistics, geometry, logic, proportions, and financial mathematics. This course is designed for students interested in a liberal arts curriculum.

Analysis of Functions 1 Credit
Grades 11-12
This course is for students who are interested in going on to Calculus and engineering mathematics courses. This course includes trigonometry, rational functions, logarithms, exponential equations, vector analysis, polar coordinates, and conic sections. At the end of this course, students will be prepared for AP Calculus.

Advanced Placement Calculus AB 1 Credit
Grades 11-12
The purpose of this course is to offer college level mathematics under the guidelines of the Advanced Placement Program. The course content will follow the outline set forth by the College Board for Advanced Placement, AB course. The student will take the AP examination for Calculus AB.

Hillsborough Community College Dual Enrollment Courses -- Math
MAT 1033 Intermediate Algebra (3 credit hours)
MAC 1105 College Algebra (3 credit hours)
MGF 1106 Mathematics for Liberal Arts I (3 credit hours)
MFG 1107 Mathematics for Liberal Arts II (3 credit hours)

SCIENCE

Biology (General and Honors) 1 Credit
Grade 9
The purpose of this course is to develop and enhance awareness of our surroundings and stimulate an appreciation for the vast diversity and fine design of the world God has created. We cover topics such as ecology, the cell, genetics, bacteria, viruses, protists, fungi, plants, invertebrates, vertebrates, and the human body.

**Advanced Placement Biology**  
1 Credit  
Grades 11-12  
The purpose of this course is to provide a college level course in biology and to prepare the student to seek credit and/or appropriate placement in college biology courses. The content focuses on molecular and cellular biology. This course prepares students for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses.

**Chemistry (General and Honors)**  
1 Credit  
Grades 10-12  
This course provides students with the study of the composition, properties, and changes associated with matter. The content includes classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, physical changes, acids, bases, salts, and energy associated with physical and chemical changes. Students interested in this field will be prepared for college level chemistry classes.

**Anatomy and Physiology**  
1 Credit  
Grades 11-12  
The purpose of this course is to provide students with laboratory activities in the structures and functions of the components of the human body. The content includes anatomical terminology, cells and tissues, integumentary system, skeletal system, muscular system, nervous system, special sensory organs, endocrine system, circulatory system, respiratory system, digestive system, excretory urinary system, reproductive system, homeostasis, disease process, immune response, inheritance, mutations and genetic disorders.

**Marine Science (General and Honors)**  
1 Credit  
Grade 11-12  
The purpose of this course is to cover the basics of marine biology with a global approach. We cover the principles of marine science, a survey of marine organisms, the anatomy and physiology of marine ecosystems, and the interactions of humans with the marine environment.

**Physics I (General and Honors)**  
1 Credit  
Grades 11-12  
This course provides students with an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. The content includes kinematics, dynamics, energy, work and power, heat and thermodynamics, wave characteristics, light, electricity, magnetism, and nuclear physics.

**Hillsborough Community College Dual Enrollment Courses – Science:**

BSC 1025 Nutrition and Drugs (3 credit Hours)  
AST 1002 Astronomy (3 credit Hours)

**SOCIAL STUDIES**

**Advanced Placement Human Geography**  
1 Credit  
Grades 9-12  
AP Human Geography gives students the opportunity to earn college credit in geography while in high school. This course helps students develop critical thinking skills through the understanding, application, and analysis of the fundamental concepts of geography. Students are introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth’s surface. This course is divided into the following sections: nature and perspectives, population, culture, politics, agriculture, urbanization, religions, languages, and environmental issues.

**World History (General and Honors)**  
1 Credit  
Grade 10  
This course is a comprehensive study of critical events and issues that directly relate to the history of the world from the early beginnings of man to present day events. Students are provided with accurate historical accounts and backgrounds of
domestic and international concerns in order to bring greater awareness to the changing political, economic, and cultural forces. This course will include the study of Renaissance, Age of Exploration, the Reformation, Europe in the age of autocracy, the Industrial Revolution, plus the many changes that took place from the 19th century to the present. It also includes nationalism and revolution, imperialism, World War I and peace treaties, depression, and use of technology in the 20th century and the Cold War.

**Advanced Placement World History** 1 Credit
**Grades 10-12**
This is a rigorous course that will ask students to work harder and think more deeply than a traditional high school world history class. AP World History goes beyond the opportunity to receive college credit. Students will obtain a solid foundation in content, as well as, skill in researching, note taking, analyzing primary and secondary sources, generalizing, drawing conclusions, and presenting knowledge. The students will gain an understanding of the integration of political, economic, philosophical, social, and geographical elements in world history. It is a balanced approach to the Americas, Europe, Asia, and Africa.

**American Government (General / Honors)** ½ Credit
**Grades 9-12**
This course provides students with an understanding of American government and political behavior. The content includes an analysis of documents which shape our political traditions: the Declaration of Independence, the Constitution, and the Bill of Rights.

**United States History (General / Honors)** 1 Credit
**Grade 11**
Students will acquire an understanding of the chronological development of the American people by examining the political, economic, social, religious, military, scientific, and cultural events that have affected the rise and growth of our nation.

**Advanced Placement United States History** 1 Credit
**Grade 11**
Students will examine key themes and events in our history: American identity, diversity, religion, culture, war and slavery, as well as, economic, political, and demographic changes.

**Economics** ½ Credit
**Grade 12**
This course will provide students a greater understanding of economics ranging from the viewpoint of the individual consumer or small business owner to the global economy. Students will study the law of supply and demand, forms of business labor unions, government finances on the economy, money / prices, and inflation / deflation cycles. This course will help students develop an economic way of thinking and to understand different economic systems used throughout the world.

**Holocaust and Genocide Studies** ½ Credit
**Grades 10-12**
This course is a study of human rights using the Holocaust and genocides since 1900. It is not a course to memorize facts and figures, but rather to put a face on each individual who was a part of these atrocities. The Holocaust did not start with WWII, but much earlier with anti-Semitism. The course is a study of the Human Rights Declaration of Eleanor Roosevelt and the Genocide Convention of Raphael Lemkin. The class will consist of several research projects, essays, and discussion. There will be many more questions than answers.

**Hillsborough Community College Dual Enrollment Courses – Social Studies:**

CCJ 1101 Introduction to Criminology
CJL 1100 Criminal Law
POS 1001 Political Science
POS2041 American Government
HUM 2410 Asian Humanities
REL 2300 World Religions
SYG 2000 Sociology
SYG 2010 Marriage and Family
SYG 2430 Social Problems

Bible

Bible 1 - Old Testament Survey  1 Credit
Grade 9
In this class, students will gain an understanding of the origin and themes of the 39 books of the Old Testament. In addition, they will gain familiarity with many of the main characters found in the Old Testament and their significance in history. This class is required for all freshmen students.

Bible 2 - New Testament Survey  1 Credit
Grade 10
The purpose of this class is for students to understand the themes of the New Testament. This is accomplished through the study of the times of the New Testament and the purposes of Christ in each book. The birth of the Christian church and the spread of Christianity throughout the world is also studied. This class is required for all sophomore students.

Bible 3 - The Life and Teachings of Christ  1 Credit
Grade 11
The primary focus in this class is the study of the four gospels of the New Testament and the parables taught by Jesus. Other topics include the prophecies of the birth of Jesus, His ministries and the prophecies of His return. This class is required for all juniors.

Bible 4 - Biblical Application  1 Credit
Grade 12
The purpose of this class is to discuss the promises and teachings of the Bible and their relevancy in a 21st century world. Students also compare Christianity with other major world religions. This class is required for all seniors.

Foreign Language

Spanish 1  1 Credit
Grades 9-10
The purpose of this course is to enable students to begin to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills, and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

Spanish 2  1 Credit
Grades 10-11
The purpose of this course is to enable students to enhance proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading, and writing skills, and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

Spanish 3  1 Credit
Grades 10-12
The purpose of this course is to enable students to enhance proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading, and writing skills. Experiences with Spanish literature are broadened. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

Computer and Information Technology

Computer Applications I and II
Grades 9-12
The purpose of these courses is to teach students basic keyboarding skills and techniques of formatting to include information systems inputting. Also, this course is designed to teach practical computer skills including applications in word processing, desktop publishing, spreadsheets, databases, PowerPoint presentations, and OneNote. Students will learn techniques and instruction of keyboarding, advanced word processing applications, spreadsheets and database applications using Microsoft Office 2010.

Interactive Design
Grades 10-12
The purpose of this course is to expand the science of the organization, functionality, and structure of user interface design and interactive applications. The course will integrate multimedia and desktop publishing features. Students will learn how to include animation and sound in design applications. The content should include, but not be limited to the following: the process, practice, and tools of design; object-oriented program features; software applications, such as Adobe PageMill, NetObjects Fusion, Macromedia, Dreamweaver, Flash, Director, Authorware, Attain or Pathware Attain; technologies (frames, documents, windows, supplemental plug-ins, ActiveX, Shockwave, JavaScript, and searchable database); form and function; user interaction and feedback; event handlers; document object model; cross-platform compatibility; color theory; navigation; graphics; image rollovers; dynamic text and pages; tables; animations; buttons; typography; career opportunities in interactive programming and design; and emerging standards.

Web Development & Design
Grades 10-12
The purpose of this course is to teach students the fundamentals in web site development and design. Topics include design fundamentals using multiple professional software formats. Honors points may be earned through completing work in this course.

PC Repair
The purpose of this course is to teach students computer skills in diagnosing and troubleshooting computer systems, upgrading systems, defining the processes involved in computer transfer of data, basic hardware identification, and operating systems. Students will be given opportunities to repair school systems as training allows. All students will test to deconstruct and reconstruct a full computer system.

Computer Graphics
The purpose of this course is to teach students the fundamentals and advanced skills in computer graphics, graphics design, and Flash animation. Students will work on several hands-on projects that teach them design and marketing fundamentals using multiple professional software formats. Honors points may be earned through completing work in this course.

Digital Video
The purpose of this course is to create compelling video projects teaching the fundamentals in digital video production and career-building video production skills. Students will create projects from script to screen to produce media assets for broadcast and the web using multiple professional software formats. Honors points may be earned through completing work in this course.

Computer Assisted Design 1
This computer-aided design (CAD) course covers the use of computer systems to assist in the creation, modification, analysis, or optimization of a design. CAD is used to design curves and figures in two-dimensional space; or curves, surfaces, and solids in three-dimensional space. Exploration of this field includes the animation of student created three dimensional objects using AutoDesk software products. Honors points may be earned through completing work in this course.

C++ Programming
The purpose of this course is to teach students C++ programming structures. Honors points may be earned through completing work in this course.

Visual Art

Introduction to Art: Art I
This is a two semester course that introduces students to their ability to communicate concepts through the principles and elements of design. Students incorporate these principles and elements into their artwork by using a variety of two and three dimensional mediums. The course also enables students to develop an appreciation for art through exposure to artists, historical periods, and art criticism.

**Art II**
The general curriculum structure of Art II resembles the pre-requisite. Students develop a higher skill level in technique and expressive style. Student skills in art criticism and aesthetics are strengthened. Independent and conceptual projects offer the art student freedom to pursue personal direction, as well as, develop their understanding of historical and cultural artistic connections. This is a two semester course.

**Art III and IV**
In this two semester course, students develop a breadth of visual art projects. The student’s ability to articulate the elements and principles of design during critical analysis is strengthened. Student responsibility for project concepts, medium, and choice of historical and cultural connection is also strengthened. This course can be repeated the following year as Art IV.

**Advanced Placement Studio Art 2-D Design**
This AP course is a studio based art class offered to highly motivated, advanced high school art students. The intention of this course is to encourage the student to enjoy the creative process, continue to explore quality design with added rigor, take positive risks, and develop their personal voice and style. The student will be involved in a sustained investigation of all three aspects of portfolio development: quality, concentration, and breadth.

**Performing Arts**

**High School Performing Arts**
This course is a combination class including, but not limited to, experience in various forms of communication and performance. Students will develop their musical, dramatic, and production talent, then apply these talents to worship and glorify God. Students will be able to: perform music of diverse genres and styles; use production concepts and techniques (auditioning, directing, producing) for creating and developing scenes; sing accurately, with or without accompaniment, in two and three parts; and experiment with different instruments. The class is designed to be challenging and fun for the introverted, as well as, extroverted student.

**Health and Physical Education**

**Health and Life Management Skills**
The purpose of this course is to develop and enhance critical life management skills and decisions necessary for healthy and effective living.

**HOPE - Physical Education Variation (Online)**
The mission of the Health Opportunities Through Physical Education course is to help all students develop the knowledge, skills, motivation, and behaviors that will promote and reinforce a lifetime commitment to wellness through a physically active and healthy lifestyle. A second goal is to help students become physically active and health advocates who will feel competent in helping others personal health program.

**Personal Fitness**
The purpose of this course is to acquire knowledge of physical fitness concepts, understand the influence of lifestyle on health and fitness, and begin to develop an optimal level of fitness.

**Dual Enrollment**
Dual enrollment classes are offered to students in grades 11-12 through a cooperative agreement with Hillsborough Community College (HCC). All Dual enrollment students must complete an entry level examination and demonstrate adequate pre-college preparation. This test, called the Florida College Entry Level Placement Test (or CPT) is given only on HCC campuses. In lieu of the CPT, students may also use qualifying minimum scores from the SAT or ACT.
examinations. Dual enrollment course offerings vary from semester to semester. For a complete list of dual enrollment classes offered in the upcoming/current school year, please contact the Guidance Office.