



FLANAGAN COURSES

2023 – 2024

Read about the variety of Elective and Core Academic courses Flanagan has to offer.

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Charles W. Flanagan High School offers a variety of academic and elective programs to challenge students and provide them with premier programs to prepare them for technical careers. Additionally, Flanagan High School offers a range of Dual Enrollment courses which allows students to earn college credit while still enrolled in high school. Many students graduate with an Associates degree in addition to their high school diploma at the end of their four years at Flanagan.

CAREER TECHNICAL EDUCATION

Aerospace Technologies I, II Honors

Credit: 1.0

The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study of Aerospace Technologies, its effect upon our lives, and the choosing of an occupation. The content and activities will also include the study of safety and leadership skills. This program focuses on transferable skills and stresses understanding and demonstration of the technological tools, machines, instruments, materials, processes and systems in business and industry.

Culinary Arts I, II, III, IV

Credit: 1.0

In Culinary Arts I covers the history of the food service industry and careers in that industry. Also covered are state mandated guidelines for food service and how to attain food handler training certification; safety in the workplace; employability skills; leadership/teamwork skills; care and use of commercial culinary equipment;

basic food science; basic nutrition; and following recipes in food preparation labs.

In Culinary Arts II students will learn and perform front-of-the-house and back-of-the-house duties. Students will prepare quality food products and present them creatively; demonstrate safe, sanitary work procedures; understand food science principles related to cooking and baking; and utilize nutrition concepts when planning meals/menus.

In Culinary Arts III students will research career opportunities in professional cooking/baking; follow guidelines on food selection, purchasing, and storage; and use communication skills. Students will prepare and present a variety of advanced food products; create centerpieces; and research laws specific to the hospitality industry (including handling of alcohol). Also covered are management skills; how to develop a business plan; and utilization of technology in the workplace. Students will be knowledgeable about food safety manager training/certification training programs that are acceptable in Florida.

In Culinary Arts IV students will prepare various meals and food products including those for individuals with various nutritional needs and/or dietary restrictions. The relationship between nutrition and wellness will be examined. Cost control techniques and profitability will be covered as well as analysis of food establishment menus. Students will also demonstrate basic financial literacy skills.

Prerequisites: Each success Culinary Arts course has the prior course as its prerequisite.

Special Note: Students will receive an industry certification after successful completion of a culminating exam at the end of Culinary Arts IV.

Digital Information Technology

Credit: 1.0

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; emerging technologies, and Web page design.



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Advanced Information Technology

Honors

Credit: 1.0

This course is a yearlong, entry-level course that introduces the foundations of Computer Science. This course is designed to introduce the breadth of the field of computer science through an exploration of engaging and accessible topics. This course does not focus on learning any specific programming languages or software tools. Rather the course is designed to focus on the conceptual ideas of computing and to help students understand why certain tools or languages might be utilized to solve problems. The goal of this course is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues involving computers. The combination of both content and practices provides students with a sense of what computer scientists actually do.

Digital Media Fundamentals

Credit: 1.0

This is an introductory course to digital media. The Digital Media Technology pathway prepares students for a career in digital media including video production, motion graphics, mobile journalism, and web development.

Digital Media Production Systems

Honors

Credit: 1.0

This is the second level progression to Digital Media Fundamentals.

Early Childhood Education I, II, III

Credit: 1.0

The Early Childhood Education Program focuses on a broad, transferable skills and stresses understanding and demonstration of the following elements of the Early Childhood industry: planning, management, finance, technical and production skills; underlying principles of technology; labor, community, health, safety and

environmental issues; and developmentally appropriate practices for children birth through eight.

Medical Skills

Credit: 1.0

This program gives students an opportunity to apply knowledge and skills related to various Health Science career clusters. The content includes but is not limited to practical generic skills in health occupations. Instruction and learning activities are provided in a laboratory setting using hands-on experiences.

Special Note: Membership in HOSA and quarterly fundraising are required.

Industry Certification: Earned with successful completion of program and passing mark on the industry examination.

Health Science I/II Honors

Credit: 1.0

This course includes scientific concepts relating to health care based on structure and function of body systems in relation to health and disease. Topics include anatomy and physiology, medical terminology, and Physiology.

Special Note: Membership in HOSA and quarterly fundraising are required.

Industry Certification: Earned with successful completion of program and passing mark on the industry examination.

Prerequisite: Medical Skills and an application.

Health Science III Honors

Credit: 1.0

This course includes common skills performed by health care workers in hospitals, nursing homes and other health care agencies. Classroom laboratory and off campus clinical experiences are correlated with theory.

Special Note: Membership in HOSA and quarterly fundraising are required.

Industry Certification: Earned with successful completion of program and passing mark on the industry examination.

Prerequisite: Health Science I Honors and an application.



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Digital Video Technology I, II

Credit: 1.0

TV Production I and II presents industry terminology, procedures and skills in staging sets, performing lighting activities for a production and operation of studio equipment.

Digital Video Technology III – IV

Honors

Credit: 1.0

TV Production III and IV Honors provides a more in depth look at the industry of TV production and puts students in the driver's seat to create their own broadcasts.

Marketing Essentials (DECA)

Credit: 1.0

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare for further education and careers in the Marketing, Sales and Service career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Marketing, Sales and Service career cluster.

The purpose of this program is to introduce students to the concept of entrepreneurship, present entrepreneurship as a viable career option, provide students with the skills needed to realistically evaluate their potential as business owners, and to develop the fundamental knowledge and skills necessary to start and operate a business.

Marketing Application (DECA)

Credit: 1.0

This course is designed to provide students with an in-depth student of marketing in a free enterprise society and provide knowledge, skills and attitudes required for employment in a wide variety of marketing occupations. DECA is the co-curricular career and technical student organization, which provides leadership training experiences and reinforces specific technical skills.

These activities are considered an integral part of this instructional program.

DECA is the appropriate career and technical student organization for providing leadership training and reinforcing specific career and technical skills. DECA prepares emerging leaders and entrepreneurs for careers in marketing, finance, hospitality and management in high schools around the globe. Students will compete in role play scenarios or write business plans which give you the opportunity to compete at the District, State and International level each year.

Marketing Management (DECA)

Credit: 1.0

Marketing students are expected to complete the following rigorous academic tasks: Creation of a book list with presentation of a written and oral report, completion of a Company History Paper, performance demonstration of role-playing, performance of leadership activities as a member in the Career and Technical Student Organization, DECA, composition of an Internet Assessment/Career Portfolio, research five Marketing Careers, evaluation of authentic tasks identified in the Training Agreement and Training Evaluation, and submission of a Written Research Project. DECA is the co-curricular career and technical student organization, which provides leadership training experiences and reinforces specific technical skills. These activities are considered an integral part of this instructional program.

Business Ownership (DECA)

Credit: 1.0

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Marketing, Sales and Service career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Marketing, Sales and Service career cluster.

The purpose of this program is to prepare students for careers as entrepreneurs, present entrepreneurship as a career path worthy of consideration, provide students with the skills needed to realistically evaluate their potential as business owners, and develop the fundamental knowledge and skills necessary to start and operate a business. The content includes, but is not limited to, the essential competencies required to



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operate a small business. The planning and operation of a simulated business are an important part of the instruction of this course.

Peer Counseling

Credit: 1.0

Peer Counselors observe national initiatives such as Anti-Bullying Week, Peace Week, Teen Dating Violence, and Disability Awareness, just to name a few. We basically provide public service announcements about important issues to the school and community. We love to spread positivity across our campus and provide peer help when requested. Peer Counseling offers an environment where you can gain self awareness and share interests and beliefs with your classmates. It's a wonderful place to be!

Prerequisite: Minimum 2.5 GPA and an application is required.

Leadership Skills (SGA)

Credit: 1.0

Student Government teaches organizational and leadership techniques to student leaders. Focus is on learning skills necessary to lead groups into achieving specified goals and objectives. Special projects and school-wide issues are used to provide field experiences for student leaders to develop their leadership skills. Leadership styles are explored so that students can find the techniques that work best for them. Exceptional leaders of the present and past are studied as role models.

Prerequisite: Requires an application with teacher recommendations.

Leadership Skills (Latinos in Action)

Credit: 1.0

This program focuses on providing students with increased opportunities for educational, service, cultural and leadership experiences, while empowering them to complete their high school education and attend a college or university after graduation. The course includes: high-quality classroom instruction on college readiness, personal development, biculturalism and professionalism; literacy tutoring opportunities at feeder elementary and middle schools; exploration of cultural heritage through literary and performing arts; and leadership opportunities through student-led service, social and professional committees.

Prerequisite: Students must maintain a 2.0 GPA or higher.

HEALTH & FITNESS

Personal Fitness

Credit: .5

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success.

Special Note: This course required for graduation.

Team Sports I/II, Aerobics, Weight Training, Individual/Dual Sports

Credit: .5

In the interest of enhancing physical fitness and athletic skills, this course will develop student interest in sports, lifetime fitness, and the competitive spirit that is inherent in us all. Basic motor skills and knowledge of sports concepts are important tools in the development and continuation of an attitude of health and lifetime fitness. The following sports and skills may be covered during the course of the school year: Basketball, Volleyball, Soccer, Flag Football, Baseball/Softball.

FINE ARTS

Intermediate Band I, II (Symphonic Winds)

Credit: 1.0

No Audition - Open to anyone with at least one year of Band experience (Woodwind, Brass, Percussion). This is the class that ALL of the Middle School Band students should sign up for.



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Advanced Band II, III, IV (Wind Orchestra)

Credit: 1.0

Audition Required – Open to the more experienced musician. (Woodwind, Brass, Percussion, Piano). Pre-requisite: instructor approval.

Jazz Ensemble I, II, III, IV (Jazz Band)

Credit: 1.0

No Audition - Open to anyone with at least one year of Band experience. (Woodwind, Brass, Drummer, Guitar, Electric Bass, Piano, Auxiliary Percussionist).

Beginning Percussion Class (Instrumental Ensemble I)

Credit: 1.0

Open to anyone – No experience necessary. Students learn to play Percussion Instruments at an entry level.

Intermediate Percussion (Instrumental Ensemble II)

Credit: 1.0

Students build off of their experience in beginning Percussion. Pre-requisite: instructor approval.

String Orchestra I, II, III, IV

Credit: 1.0

Open to String musicians (Violin, Viola, Cello, Bass). Pre-requisite: minimum of 1 year on the instrument.

analysis and evaluation of individual and ensemble performance; connections between keyboard music and other subject areas; roles and influence of keyboard music and pianists in history, culture, society, and everyday life.

Color Guard (Dance/Eurhythmics)

Credit: 1.0

Dance Rep/ Eurhythmics is a full year performance-based course that combines Flanagan's World Champion Color Guard skills with dance class. Students will learn the fundamentals of movement and color guard as well as have the opportunity to participate in performances after school alongside the marching band

and winter guards. There will also be several opportunities for travel with performances. No experience is needed and tryouts for the after-school portion of the program will take place May 7th, 9th, 14th, 21st & 28th from 4:30-6:30pm in the FHS mini-gym. For examples of Flanagan Color Guard performances go to www.youtube.com and search "Flanagan Color Guard." For questions, contact Mr. Broadbent, Flanagan Color Guard Director at DnBroad@me.com.

Course Options Include: Dance Repertory I (no prerequisite for level I), Dance Repertory II, III, IV (II – IV is for World Guard and participation in the after-school color guard is required, additionally, instructor approval is required for level III and IV), Eurhythmics II, III, IV (prerequisite is instructor approval).

Theater I

Credit: 1.0

Open to anyone. The purpose of Theater 1 is to provide in-depth experiences in the study and practice of theatre arts and literature. The content should include, but not be limited to, the following: overview of the history of theatre and literature of the theatre; introduction to the fundamentals of theatre production, including scenery construction, costuming, lighting, and make up; and the fundamentals of acting.

Theater II, III & IV

Credit: 1.0

Theater II, III & IV continues to build on the momentum from the preceding course.

Musical Theater

Credit: 1.0

Musical Theater provides an opportunity to study and perform scenes from varied styles of musical theater with special attention to the fundamentals of stage movement, acting, characterization, and all other aspects of the production of a musical. The content should include, but not be limited to, the following: performance and auditioning techniques (dance, acting, singing); music theory and sight singing; production techniques (lighting, sound, set design, costuming, make-up, stage direction); analysis and evaluation of musical theater performance; vocational and recreational pursuits in musical theater; connections between musical theater and other subject areas; role and influence of musical theater in history, culture, society, and individual lifestyles.



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Ceramics I

Credit: 1.0

Students will recognize the stages, properties, possibilities and limitations of clay and glazes by creating functional and nonfunctional works using hand-building techniques (pinch, slab, and coil). They will learn understand the media and tools used in working with clay and fired ceramics. Numerous surface treatments and decorating techniques will be explored. Craftsmanship and quality in the surface and structural qualities of the completed art forms will be emphasized. Students in the ceramics art studio focus on use of safety procedures for process, media, and hand-building techniques. Methods of working with clay that have evolved from various cultures around the world will be discussed. This course incorporates hands-on activities and consumption of art materials.

Special Note: This introductory course fulfills the Fine Art graduation requirement and is the pre-requisite for Ceramics II.

Ceramics II

Credit: 1.0

Students will continue their exploration of the stages, properties, possibilities and limitations of clay and glazes by creating functional and nonfunctional works using hand-building techniques (pinch, slab, coil and modeling). They will understand the media and tools used in working with clay and fired ceramics. More advanced surface treatments and decorating techniques will be explored. Craftsmanship and quality in the surface and structural qualities of the completed art forms will be emphasized. Students in the ceramics art studio focus on use of safety procedures for process, media, and hand-building techniques. Methods of working with clay that have evolved from various cultures around the world will be considered. This course incorporates hands-on activities and consumption of art materials.

Pre-requisite: completion of Ceramics I with a C or better (grades 10 – 12).

Ceramics III Honors

Credit: 1.0

Students will continue to experiment with processes, hand-building techniques, and media. They will rely on creative problem solving as they work more independently on challenges. Craftsmanship and quality are to be reflected in the surface and structural qualities

of the completed art forms. Students in the Ceramics III studio focus on use of safety procedures for process, media, and hand-building techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities and consumption of art materials.

Pre-requisite: Successful completion of Ceramics II and instructor approval (grades 11 – 12).

2-D Studio Art I, II, III Honors, AP

Credit: 1.0

This year-long intermediate-level class promotes the enjoyment and appreciation of art as students strengthen their use of media and techniques to create both teacher-assigned and self-directed two-dimensional (2D) artworks, which may include drawing, painting, printmaking, collage, and more. Special note: this course incorporates hands-on activities and consumption of art materials.

Pre-requisite: Studio Art II and III require the instructor's approval.

Portfolio Development 2D, 3D, Drawing

Credit: 1.0

Pre-requisite: Portfolio Development II and III require the instructor's approval.

AP Drawing

Credit: 1.0

The purpose of this course is to give advanced students the opportunity to develop quality, concentration, discipline, and breadth in drawing. The content should include but not be limited to, the following: experiences in the development of skills in the perpetual and conceptual aspects of drawing, techniques of preparation, presentation and evaluation of portfolio content.

Pre-requisite: instructor approval.

Sculpture I, II, III Honors

Credit: 1.0

Pre-requisite: Studio Art II and III require the instructor's approval.

Painting III Honors

Credit: 1.0

Pre-requisite: Instructor approval.



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NAVAL JROTC

Naval JROTC I

Credit: 1.0

This is the first level of Naval Science. Students are introduced to the NJROTC program: citizenship, foundations of government, basic leadership, navy ships and aviation. Drills, commands, uniform, and ceremonies are used as a practical application of training in leadership, self-discipline and responsibility. The course also focuses on physical fitness and components of fitness, wellness, drug awareness, and basic first aid.

Naval JROTC II

Credit: 1.0

This is the second level of Naval Science. Students are introduced maritime history and the influence of sea power thru out history, leadership approaches and skills, nautical sciences: maritime geography, oceanography, meteorology, astronomy, physical science. Students are assigned to responsible positions within the cadet company organization. Students begin demonstrating applied leadership skills thru leading class drill, physical exercise (PT) with peers and younger cadets, participating and leading groups in various NJROTC completions. Students are exposed to possible career opportunities thru orientation trips and college visits. Prerequisites: Naval JROTC I.

Naval JROTC III

Credit: 1.0

The purpose of this course it to broaden the understanding of students in the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, the fundamentals of American democracy, and to expand their understanding of naval academic subjects. Topics include National Strategy, Sea Power and Naval Operations, Leadership, and Navy Department Organization.

Prerequisites: Naval JROTC II.

Naval JROTC IV

Credit: 1.0

This course is focused on practical leadership. The intent is to assist the senior in understanding leadership and improving their leadership skills by putting them in

positions of leadership, under supervision, then helping them analyze the reasons for their varying degrees of success through the year. Other areas of emphasis are cultural studies, global awareness, and leadership principles. The course also assists the senior in understanding the world they live in, how different nations must work together in economics, foreign policy, and humanitarian aid. There are also short modules on Leadership and Ethics and Financial Literacy for NJROTC students. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets. Prerequisites: Naval JROTC III.

WORLD LANGUAGES

French I / Spanish I

Credit: 1.0

Modern World Languages I introduces students to the target language and its culture. The student will develop communicative skills and cross-cultural understanding. Specific content includes, but is not limited to, beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing is also included as well as the fundamentals of grammar and culture.

French II / Spanish II

Credit: 1.0

Modern World Languages II reinforces the fundamental skills acquired by the students in Modern World Languages I. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Modern World Languages I. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

Prerequisite: Modern Language I (French I or Spanish I).

Spanish III Honors

Credit: 1.0

Modern World Languages III provides mastery and expansion of skills acquired by the students in Modern World Languages II. Specific content includes, but is not limited to, expansion of vocabulary and conversational skills through discussions of selected readings. Student's acquisition of grammatical concepts is strengthened by analyzing reading selections.



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Contemporary vocabulary stresses activities, which are important to the everyday life of the target language-speaking people. At least 50% of the course is conducted in the targeted language

Spanish IV Honors

Credit: 1.0

Modern World Languages IV expands the skills acquired by the students in Spanish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.

Spanish V Honors

Credit: 1.0

This course reinforces the development of oral and written communication and the study of the lives and contributions of well-known twentieth century Spanish and Hispanic American historical figures, writers, artists, and musicians, as reflected in letters, speeches, and biographies. Included in this course is practice in descriptions of story characters, real persons, animals, and natural phenomena, as well as memorization of facts and ideas.

Prerequisite: For Native Spanish Speakers.

AP Spanish Language

Credit: 1.0

Advanced Placement Modern World Languages develops oral and written fluency in the language and prepares students to take the Advanced Placement test. Specific content includes, but is not limited to, content determined by the Advanced Placement Program guidelines. Students must take the Advanced Placement World Languages exam.

Prerequisite: Modern World Languages IV or mastery of Student Performance Standards corresponding to Modern World Language IV and teacher consultation.

AICE Spanish Language

Credit: 1.0

The Cambridge International AS Level Spanish syllabus enables learners to achieve greater fluency, accuracy and confidence in the language as it is spoken and written, and improve their communication skills.

They will learn how to improve their use of Spanish in a variety of situations, understanding how to read texts and other source materials, extract information, initiate conversations and respond to questions both orally and in writing.

French III/IV Honors

Credit: 1.0

Modern World Languages IV expands the skills acquired by the students in French 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.

MATH

Algebra I - 1A/1B I Double Block, Regular, Honors (EOC)

Credit: 1.0

Algebra I is a course designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world and mathematical problems. The content shall include, but not be limited to, perform set operations, use fundamental concepts of logic including Venn diagrams, describe the concept of a function, use function notation, solve real-world problems involving relations and functions, determine the domain and range of relations and functions, simplify algebraic expressions, solve linear and literal equations, solve and graph simple and compound inequalities, solve linear equations and inequalities in real-world situations, rewrite equations of a line into slope-intercept form and standard form, graph a line given any variation of information, determine the slope, x- and y- intercepts of a line given its graph, its equation or two points on the line, write an equation of a line given any variation of information, determine a line of best fit and recognize the slope as the rate of change, factor polynomial expressions, perform operations with polynomials, simplify and solve algebraic ratios and proportions, simplify and perform operations with radical expressions, graph systems of linear equations and inequalities in two and three variables and quadratic functions, and use varied solution strategies for quadratic equations and for



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systems of linear equations and inequalities in two and three variables.

Course Options: Course Options: Students will be placed in the appropriate Algebra I course according to their current performance in mathematics. The Algebra I/Liberal Arts I double block course takes two periods of the eight period schedule amassing 2.0 credits in total. The Liberal Arts I portion of the course may not meet the academic requirements for entry into the State University System of Florida or for some Bright Futures Scholarship Program and it does not meet requirements for NCAA.

Geometry(Regular, Honors) (EOC)

Credit: 1.0

Geometry is a course designed to develop the geometric knowledge that can be used to solve a variety of real-world and mathematical problems. The content will include geometric constructions; terminology and fundamental properties of geometry; deductive and inductive reasoning and their application to formal and informal proof; formulas pertaining to the measurement of plane and solid figures; coordinate geometry and transformations on the coordinate plane; exploration of geometric relationships such as parallelism, perpendicularity, congruence, and similarity; properties of circles; and right triangle trigonometry.

Course Options: Students will be placed in the appropriate Geometry course according to their performance in Algebra I, or Honors. The Geometry/Informal Geometry course takes two periods of the eight period schedule amassing 2.0 credits in total. The Informal Geometry portion of the course may not meet the academic requirements for entry into the State University System of Florida or for some Bright Futures Scholarship Program and it does not meet requirements for NCAA.

Prerequisite: Algebra I or Honors.

Special Note: This course satisfies the geometry graduation requirement. Students completing this course will be required to take the State of Florida End-of-Course Geometry Exam. This course meets an academic unit for some Bright Futures Scholarship Program and NCAA.

Algebra II, II Honors

Credit: 1.0

Algebra 2 is a course designed to continue the study of the structure of algebra and to provide the foundation for applying these skills to other mathematical and scientific fields. Topics shall include structure and properties of the complex number system; arithmetic and geometric sequences and series; relations, functions, and graphs extended to polynomial, exponential, and logarithmic functions; varied solution strategies for linear equations, inequalities, and systems of equations and inequalities; varied solution strategies including the quadratic formula for quadratic equations; conic sections and their applications; and data analysis, including measures of central tendency and dispersion, and probability, permutations, and combinations.

Prerequisite: Algebra IB/II Honors and Geometry/Geometry Honors

Special Note: This course meets an academic unit for some Bright Futures Scholarship Program.

Math for College Algebra

Credit: 1.0

In Mathematics for College Algebra, instructional time will emphasize five areas: (1) developing fluency with the Laws of Exponents with numerical and algebraic expressions; (2) extending arithmetic operations with algebraic expressions to include rational and polynomial expressions; (3) solving one-variable exponential, logarithmic, radical and rational equations and interpreting the viability of solutions in real-world contexts; (4) modeling with and applying linear, quadratic, absolute value, exponential, logarithmic and piecewise functions and systems of linear equations and inequalities; (5) extending knowledge of functions to include inverse and composition.

Math for College Liberal Arts

Credit: 1.0

In Mathematics for College Liberal Arts, instructional time will emphasize five areas: (1) analyzing and applying linear and exponential functions within a real-world context; (2) utilizing geometric concepts to solve real-world problems; (3) extending understanding of probability theory; (4) representing and interpreting univariate and bivariate data and (5) developing understanding of logic and set theory.

Pre-Calculus

Credit: 1.0

The purpose of this course is to emphasize the study of functions and other skills necessary for the study of



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calculus. Topics shall include, but not limited to, polynomial, rational, exponential, inverse, logarithmic, and circular functions; sequences; series; theory of limits; vectors; conic sections; polar coordinates; symbolic logic; mathematical induction; and matrix algebra.

Special Note: This course meets an academic unit for some Bright Futures Scholarship Program.

Prerequisite: Completion of Algebra II/II Honors with at least a C.

AP Calculus AB

Credit: 1.0

AP Calculus AB is a course designed to offer students college level mathematics under the guidelines of The Advanced Placement Program. Topics shall include elementary functions, hyperbolic functions, limits and continuity, derivatives, differentiation including partial differentiation, applications of the derivative, anti-derivatives, definite integrals, indeterminate forms, and applications of the integral. Students must take the Advanced Placement Examination offered by the College Board.

Special Note: This course meets an academic unit for some Bright Futures Scholarship Program.

Prerequisite: Pre-Calculus and teacher consultation.

AP Calculus BC

Credit: 1.0

AP Calculus BC is a course designed to offer students college level mathematics under the guidelines of The Advanced Placement Program. Topics shall include elementary functions, hyperbolic functions, limits and continuity, derivatives, differentiation including partial differentiation, applications of the derivative, antiderivatives, definite integrals, indeterminate forms, and applications of the integral. Students must take the Advanced Placement Examination offered by the College Board.

Special Note: This course meets an academic unit for some Bright Futures Scholarship Program.

Prerequisite: AP Calculus AB, teacher consultation

AP Statistics

Credit: 1.0

AP Statistics is a course designed to give students college level mathematics under the guidance of the Advanced Placement Program. Topics shall include exploratory data (observing patterns and departing from data, planning a study, deciding what and how to measure), producing models using probability and simulation, and statistical inference. Students must take the Advanced Placement Examination offered by the College Board.

Special Note: This course meets an academic unit for some Bright Futures Scholarship Program.

Prerequisite: Algebra 2 Honors and Teacher consultation

Probability & Statistics Honors

Credit: 1.0

Probability and Statistics is a full year course designed to explore the concepts of probability, elementary statistics, and hypothesis testing. Topics shall include, but not be limited to random experiments, probability concepts, permutations, combinations, sample space, binomial distribution, concepts of descriptive statistics, measure of central tendency, measures of variability, normal distribution, the t-distributions, the chi-squared distributions, the F-distributions, and applications of various nonparametric statistical tests.

Special Note: This course meets an academic unit for some Bright Futures Scholarship Program.

Prerequisite: Completion of Algebra II/II Honors.

SCIENCE

Anatomy and Physiology (Honors)

Credit: 1.0

Anatomy is the branch of biology concerned with the study of the structure of organisms and their parts. Anatomy is a branch of natural science which deals with the structural organization of living things. It is an old science, having its beginnings in prehistoric times.

Prerequisite: minimum of a B in other science classes and a teacher recommendation.



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Read about the variety of Elective and Core Academic courses Flanagan has to offer.

Forensics (Honors)

Credit: 1.0

Students will learn and experiment with various forms of evidence a Forensic Scientist or detective might use at a crime scene. This includes analysis of: arson, ballistics, blood, dental structure, DNA analysis, forgery, hair & fiber features, skeletal ID, toxicology and more.

Integrated Science

Credit: 1.0

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data.

Environmental Science and Honors

Credit: 1.0

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3). Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and

ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data.

Marine Science I

Credit: 1.0

The Marine Science I curriculum is formatted to promote an awareness of coastal and marine systems. This includes the physical and chemical properties, living systems and interrelationships. This course provides opportunities for student participation in experimentation, dissection, and decision-making.

Marine Science II (Honors)

Credit: 1.0

A very specified Marine Science Class with focus on key topics learned from Marine Science I Honors; students will explore these concepts in greater depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. A more in depth view into specific species, ecosystems and native marine habitats will be explored. Passing of Marine Science I/Honors with C's or higher required for this course.

Zoology (Honors)

Credit: 1.0

An advanced level class that examines the morphology, physiology, comparative anatomy, development, life history, evolution, and diversity of animals- Both lecture and laboratory texts are a vital part of the course and the reading of assignments is essential to success in the course.

Prerequisite: minimum of a B in previous science courses and teacher approval/recommendation.

Biology I and I Honors

Credit: 1.0

Biology I will provide opportunities to students for general exploratory experiences and activities in the fundamental concepts of life. Topics will include, but not be limited to: the scientific method, measurements, laboratory apparatus usage and safety, cell biology and cell reproduction, principles of genetics, biological change through time, classification, microbiology,



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structure and function of plants and animals, structure and function of the human body, and ecology. Laboratory activities, which include the use of the scientific method, measurement, laboratory apparatus, and safety, are an integral part of this course.

AP Biology

Credit: 1.0

AP Biology will provide students with a college level course in biology and will prepare the student to seek credit and/or appropriate placement in college biology courses. Topics will include, but not be limited to: molecular and cellular biology, organismal biology, and population biology. Laboratory activities, which include the use of the scientific method, measurement, laboratory apparatus, and safety, are an integral part of this course. Students must take the Advanced Placement Biology exam.

Prerequisite: A or B in Biology I, Chemistry I Honors completed, teacher consultation.

Chemistry I and I Honors

Credit: 1.0

Chemistry I will provide opportunities for students to study the composition, properties, and changes associated with matter. Topics will include, but not be limited to: classification and structure of matter, atomic theory, the periodic table, bonding, chemical formulas, chemical reactions, balanced equations, behavior of gases, physical changes, acids, bases, and salts. Laboratory activities, which include the use of the scientific method, measurement, laboratory apparatus, and safety, are an integral part of this course.

Chemistry II

Credit: 1.0

This course is designed for students interested in pursuing a career in science: medical or engineering fields. The course focuses on both, quantitative and qualitative (descriptive) chemistry so both strong numeracy and communication skills are essential. This course aim to better prepare our students for Advanced Placement Chemistry in their Senior year, and subsequent college and career readiness.

AP Chemistry

Credit: 1.0

AP Chemistry will provide students with a college level course in chemistry and will prepare the student to seek credit and/or appropriate placement in college chemistry courses. Topics will include, but not be limited to:

structure of matter, states of matter, chemical reactions, and descriptive chemistry. Laboratory activities, which include the use of the scientific method, measurement, laboratory apparatus, and safety, are an integral part of this course. Students must take the Advanced Placement Chemistry exam.

Prerequisite: A or B in Chemistry 1 Honors, completion of Algebra II

Physics I and Physics I Honors

Credit: 1.0

Physics I will provide opportunities to student for an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. Topic will include but not be limited to: kinematics, dynamics, energy, work and power, heat, thermodynamics, wave characteristics, light, electricity, magnetism, and nuclear physics. Laboratory activities that include the use of the scientific method, measurement, laboratory apparatus and safety are an integral part of this course. The Common Core State Standards (CCSS) for literacy are infused through instructional practices that ensure reading from a wide range of informational texts and provide extensive research and writing opportunities, while the mathematical practices focus on applying critical thinking and logical reasoning skills.

Special Note: This course meets an academic unit for NCAA.

AP Physics C

Credit: 1.0

AP Physics C will provide students with a college level course in physics and will prepare students to seek credit and/or appropriate placement in college physics courses. Topics will include, but not be limited to: (a) mechanics-kinetics, Newton's Laws of Motion, work, energy, power, systems of particles, statics, rotational motion, oscillations gravitation; and, (b) electricity and magnetism, electrostatics, electric current and circuits, capacitance, magnetostatics, and electromagnetism. Laboratory activities, which include the use of the scientific method, measurement, laboratory apparatus, and safety, are an integral part of this course. Students must take the Advanced Placement Physics C exam.

AP Environmental Science

Credit: 1.0

AP Environmental Science will provide students with a college level course in environmental science and will prepare students to seek credit and/or appropriate placement in college environmental science courses.



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Topics will include but not be limited to: ecosystem dynamics, biodiversity, dimensions and causes of population growth, natural cycles, pollution, and resources. Laboratory activities, which include the use of the scientific method, measurement, laboratory apparatus, and safety, are an integral part of this course. Students must take the Advanced Placement Environmental Science exam.

Prerequisite: A or B in Biology 1 Honors, Chemistry 1 completed, teacher consultation

AICE Marine Science

Credit: 1.0

Cambridge International AS and A Level Marine Science provides a coherent and stimulating introduction to the science of the marine environment. We recommend that learners starting this course should have completed a course in Cambridge O Level or Cambridge IGCSE in Biology or Marine Science or the equivalent.

The emphasis throughout is on the understanding of concepts and the application of ideas to new contexts. It is expected that practical activities will underpin the teaching of the whole course. Science is a practical subject and research suggests that success in future scientific study, or a scientific career, requires good practical skills.

Cambridge International AS and A Level Marine Science can form part of an ideal subject combination for learners who want to study Marine Biology or Environmental Science at university or to follow a career in shipping, fisheries, tourism or aquaculture.

SOCIAL STUDIES

Eastern & Western Civilization & Honors

Credit: 1.0

Eastern & Western Civilization (Regular and Honors) is a 9th grade introductory Social Studies class.

Special Note: Students must have a level 4 or 5 to enroll in Honors.

AP Human Geography

Credit: 1.0

AP Human Geography, an elective, will emphasize the importance of geography as a field of inquiry and briefly discuss the emergence of academic geography in nineteenth century Europe. The course introduces students to the importance of spatial organization-the location of places, people, and events, and the connections among people and landscapes - in the understanding of human life on Earth. Content will include, but not be limited to, how to use and make maps, application of mathematical formulas, models, and qualitative data to geographical concepts, and regional organization of various phenomena. Course outline will adhere to guidelines of The College Board. Students must take the AP Human Geography exam.

Prerequisite: A or B in previous Honors Social Studies courses and Social Studies teacher consultation.

World History & Honors

Credit: 1.0

World History will provide students the opportunity to acquire an understanding of the chronological development of civilization by examining the political, economic, social, religious, military, dynastic, scientific, and cultural events that have affected humanity. Specific content to be covered will include, but not be limited to, an understanding of geographic-historic and time-space relationships, a review of pre-history, the rise of civilization and cultural universals, the development of religion and the impact of religious thought, the evolution of political systems and philosophies, the development of nationalism as a global phenomenon, the origin and course of economic systems and philosophies.

AP World History

Credit: 1.0

The AP World History course offers motivated students the opportunity to immerse themselves in the process that, overtime, have resulted in the knitting of the world into a tightly integrated whole. The course highlights six themes that allow the students, throughout the course, to make comparisons, construct and evaluate arguments, assess issues of change and continuity, handle diverse interpretations through analysis of context, bias and frame of reference, and using documents and primary data in developing the skills necessary to analyze point of view, context and bias. These themes will cover 4 chronological periods from approximately 1000AD to the present with careful preparation in terms of previous developments known as the Foundations segment. The themes include: Impact of interaction among major societies, The relationship of change and continuity,



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Impact of technology and demography on people and environment, Systems of social structure and gender structure, Cultural and intellectual developments, Changes in functions and structures of states and in attitudes toward states and political identities. Students must take the Advanced Placement World History Exam

Prerequisite: A or B in previous Honors Social Studies and English 1 courses and Social Studies teacher consultation

Sociology

Credit: 0.5

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 the 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.

Special Note: This course will be paired with a Financial Literacy elective earning 0.5 credits each.

Personal Financial Literacy and Honors

Credit: 0.5

This grade 9-12 course consists of the following content area and literacy strands: Economics, Financial Literacy, Mathematics, Languages Arts for Literacy in History/Social Studies and Speaking and Listening. Basic economic concepts of scarcity, choice, opportunity cost, and cost/benefit analysis are interwoven throughout the standards and objectives. Emphasis will be placed on economic decision-making and real-life applications using real data. The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

Psychology

Credit: 1.0

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. The Common Core State Standards for Literacy in History/Social Studies are included in this course. The content should include, but is not limited to, the following: major theories and orientations of psychology: psychological methodology, memory and cognition, human growth and development, personality, abnormal behavior, psychological therapies, stress/coping strategies, mental health.

AP Psychology

Credit: 1.0

AP Psychology, an elective, will provide students an opportunity to acquire a comprehensive understanding of the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. Students will learn about the methods that psychologists use in their science and practice. Content will include, but not be limited to, methods, biological basis of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing for intelligence and personality, abnormal psychology, treatment of disorders, and social psychology. Course outline will adhere to the guidelines of The College Board. Students must take the Advanced Placement Psychology exam.

Prerequisite: Enrolled in AP or Honors English, an A or B in previous Honors Social Studies courses and Social Studies teacher consultation.

US History & Honors

Credit: 1.0

American History will provide students with the opportunity to 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 the nation. Content to be covered will include, but not be limited to, an understanding of geographic-historic and time-space relationships, the synthesizing of American culture through the centuries, the origin of American ideals, the American colonial experience, the American Revolution and the Federal System, the Civil War as the solution to the secession issue, the technological and urban transformation of the country, and American foreign policy development.



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AP US History

Credit: 1.0

AP United States History will provide students with the opportunity to develop the analytic skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. This is done by focusing on persistent themes and change in history and by applying historical reasoning to seek solutions to contemporary problems. Integral components of this course will include, but not be limited to, the formation of generalizations from primary sources in history, the synthesis and evaluation of information, the development of a set of criteria for judging proposed courses of action in terms of actual and projected consequences, the comparison of eras with similar trends, and analysis of the impact of major historical figures and groups on American and world events, the detection of bias in making conclusions, and the emergence of patterns in historical development. Course outline will adhere to guidelines of The College Board. Completion of this course may qualify student for college credit. Students must take the Advanced Placement United States History exam.

Prerequisite: Enrolled in AP or Honors English, an A or B in previous Honors Social Studies courses and Social Studies teacher consultation

US Government/Economics

Credit: 1.0

American Government will provide students the opportunity to acquire an understanding of American government and political behavior. Content to be covered will include, but not be limited to, an analysis of those documents which shape our political traditions (the Declaration of Independence, the Constitution, and the Bill of Rights), a comparison of the roles of the three branches of government at the local, state, and national levels, an understanding of the evolving role of political parties and interest groups in determining government policy, how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted, and the importance of civic participation in the democratic political process. This course is paired with a semester of Economics.

Economics will provide students the opportunity to acquire an understanding of the way in which society organizes its limited resources to satisfy unlimited wants. The student will be introduced to the major characteristics of the mixed market economic system in the United States and how the basic economic questions

are answered. Content will include, but not be limited to, using economic principles and reasoning in reaching decisions in the market place. Necessary to that understanding are the roles and impact of economic wants, productive resources, scarcity and choices, opportunity costs and trade-offs, economic incentives, comparative advantage, division of labor, interdependence, how markets work, savings and investment, specialization, the role of the citizen as producer, consumer, and decision-maker, the role and function of government policy, the role of money, financial institutions and labor, distinctions between micro and macro-economic problems, and the similarities and differences of other economic systems. This course is paired with a semester of American Government.

Special Note: US Government and Economics must be paired to receive a full credit (0.5 credits each).

US Government/Economics Honors

Credit: 1.0

Students will acquire a comprehensive understanding of government and political behavior in American Government Honors. Appropriate concepts and skills will be developed through an evaluation of the Declaration of Independence, the Constitution, and the Bill of Rights, an analysis of the roles of the three branches of government at the local, state, and national levels, a comparative view of the changing roles of the three branches of government at the local, state, and national levels, a comparative view of the changing nature of political parties and interest groups in determining government policy, an evaluation of citizen rights and responsibilities in a democratic state, and the importance of civic participation in democratic political processes. This course is paired with a semester of Economics Honors.

Economics Honors will provide students the opportunity to acquire a comprehensive understanding of the way in which society organizes to utilize its limited resources to satisfy unlimited wants and the distinguishing characteristics of other types of economic systems with particular attention to the American mixed system. The major emphasis is to provide the student with the tools to examine and analyze the implications of market solutions and public policy decisions related to economic problems. Specific content to be covered will include, but not be limited to, the role and impact of economic wants, productive resources, scarcity and choices, opportunity costs and trade-offs, economic incentives, specialization,



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comparative advantage, division of labor, interdependence, price determination, types of market failures, savings and investment, the role and function of governmental policy, labor supply and demand, the distinction between micro and macroeconomic problems, types of competition, inflation, unemployment, monetary and fiscal policy, and socioeconomic goals: freedom, economic efficiency, equity, full employment stability, and growth. This course is paired with a semester of Honors American Government or a semester of AP American Government.

Special Note: US Government Honors and Economics Honors must be paired to receive a full credit (0.5 credits each).

AP US Government/Economics Honors

Credit: 1.0

AP Government and Politics: United States will give students a critical perspective on politics and government in the United States. It requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. Specific content to be covered will include, but not be limited to, an understanding of federalism and the separation of powers, the development of the constitution, the process of politics, the nature of public opinion, the role of political parties and interest groups, the major formal and informal institutional arrangement of powers, and the development of civil liberties and civil rights. Course outline will adhere to guidelines of The College Board. Completion of this course may qualify student for college credit. Students must take the Advanced Placement Government Exam. This course is paired with a semester of Honors Economics.

Special Note: AP US Government and Economics Honors must be paired to receive a full credit (0.5 credits each).

Prerequisite: Enrolled in AP or Honors English, an A or B in previous Honors Social Studies courses and Social Studies teacher consultation.

AP Microeconomics

Credit: 1.0

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets,

distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Students must take the Advanced Placement Microeconomics Exam.

Holocaust History Honors

Credit: .5

This Holocaust course consists of the following content area strands: American History, World History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the examination of the events of the Holocaust (1933-1945), the systemic, planned annihilation of European Jews and other groups by Nazi Germany. Content will include, but is not limited to, the examination of twentieth century programs and of twentieth century and twenty-first century genocides, investigation of human behavior during this period, and an understanding of the ramifications of prejudice, racism and stereotyping.

African American History

Credit: .5

This course consists of the following content area strands: World History, United States History, Geography, Humanities, Civics and Government. The primary content emphasis for this course pertains to the study of the chronological development of African-Americans by examining the political, economic, social, religious, military and cultural events that affected the cultural group. Content will include, but is not limited to, West African heritage, the Middle Passage and Triangular Trade, the African Diaspora, significant turning points and trends in the development of African-American culture and institutions, enslavement and emancipation, the Abolition, Black Nationalist, and Civil Rights movements, major historical figures and events in African-American history, and contemporary African-American affairs.

AICE Psychology

Credit: 1.0

Cambridge International AS & A Level Psychology is designed to give students an understanding of psychological concepts, theories and research methodology. The syllabus is suitable for students who have no prior learning in psychology, engages with four core areas of psychology: biological, cognitive, social, and learning, allows students to deepen their knowledge through a choice of two options at Cambridge.



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International A Level from clinical psychology, consumer psychology, health psychology or organizational psychology. Encourages students to consider the relationships between psychological findings and everyday life.

AICE Sociology

Credit: 1.0

In a rapidly changing world, Cambridge International AS and A Level Sociology offers learners the opportunity not only to explore the processes that are shaping current trends, but also to develop an understanding of the complexity and diversity of human societies and their continuities with the past.

The study of sociology stimulates awareness of contemporary social, cultural and political issues, and focuses on the importance of examining these issues in a rigorous, reasoned and analytical way.

AICE Global Perspective & Research

Credit: 1.0

Cambridge International AS & A Level Global Perspectives and Research is a skills-based course that prepares learners for positive engagement with our rapidly changing world. Learners broaden their outlook through the critical analysis of – and reflection on – issues of global significance. They will develop unique, transferable skills including research, critical thinking and communication by following an approach to analyzing and evaluating arguments and perspectives called the 'Critical Path'.

Collaborative skills are enhanced through participation in a team project. The skills gained through study of this course help students to meet the demands of Twenty-First century learning, preparing the transition to higher education and the world of work.

As part of the course learners write a research report on a research question of their choice.

ELA & READING

English I and I Honors

Credit: 1.0

English I provides instruction in the language arts strands of reading, writing, speaking, listening viewing, language, and literature. It offers instruction in reading and vocabulary strategies necessary for comprehension of printed materials; research; the writing of effective

paragraphs and multi-paragraph papers, with emphasis upon all stages of the writing process in prepared or timed form (prewriting, drafting, editing, proofreading, publishing); speech instruction including formal and informal presentations; evaluation of mass media; the analysis of genres, and the study of language concentrating on conventions of grammar, usage, and mechanics. Technology is incorporated into all aspects of the courses.

English II and II Honors

Credit: 1.0

English II provides instruction in the language arts strands of reading, writing, speaking, listening viewing, language, and literature. Content includes instruction in reading literature and vocabulary strategies necessary to comprehend printed materials; the writing of essays for various purposes and audiences, using literary and nonliterary subjects; prepared and timed writings, utilizing all elements of the writing process where appropriate (prewriting, drafting, editing, revising and publishing); emphasis of applicable research, viewing, listening, observing, and speaking skills; analysis of selections found in world literature; study of grammar, mechanics, usage and other conventions of standard written English; study of mass media, including analysis of propaganda and persuasion techniques; and instruction in speech, including analysis of effective techniques in oral presentations. Technology is incorporated into all aspects of the course.

Prerequisite: One English credit.

English III and III Honors

Credit: 1.0

English III provides instruction in the language arts strands of reading, writing, speaking, listening viewing, language, and literature. Composition instruction includes frequent practice in writing various types of multi-paragraph papers, including documented papers/projects. Reference and summarizing skills will be stressed as well as all phases of the writing process (prewriting, drafting, editing, revising, and publishing). This study will include the analysis of representative examples of American literary works in various genres as they illustrate distinctive national qualities and the ethnic and cultural diversity of the American experience. Vocabulary, grammar, and usage are studied in conjunction with literature and writing. Listening, speaking, viewing, observing, researching, and writing assignments are related to the study of American



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literature when appropriate. Technology is incorporated into all aspects of the course.

Prerequisite: Two English credits.

English IV and IV Honors

Credit: 1.0

English IV provides instruction in the critical analysis of representative examples from British literature as they reflect changes in the language and the development of the literary traditions of the English language. Writing experiences are structured to provide practice in real-life writing situations likely to be encountered beyond secondary school. Opportunity is provided to extend speaking, viewing, observing, researching, and listening skills. Content includes instruction in vocabulary strategies and reading necessary for comprehension of printed materials. Technology is incorporated into all aspects of the course.

Prerequisite: Three English credits.

AP English Language/Composition

Credit: 1.0

AP English Language provides a study of the semantic, structural, and rhetorical resources of the English language, as they relate to the principles of effective writing. Examples of prose from various fields and periods serve as models of effective writing. This course provides a variety of writing opportunities that require the use of different styles and tones. Students develop individual writing styles adaptable to writing needs in college. Students must take the Advanced Placement Examination offered by the College Board.

Prerequisite: Two English credits.

AP English Literature/Composition

Credit: 1.0

AP English Literature involves students in the study of the semantic, structural, and rhetorical resources of the English language, as they relate to the principles of effective writing. Students learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Students acquire an understanding of the resources of the language and an understanding of the writer's craft. Students develop critical standards for the appreciation of any literary work and increase their sensitivity to literature as shared experience. Students must take the Advanced Placement Examination offered by the College Board.

Prerequisite: Three English credits.

AICE English Language

Credit: 1.0

The Language and Literature in English syllabus aims to encourage an appreciation of literature in English - prose, poetry and drama - of different types and from different cultures; and to develop the key skills required to read, analyse and communicate effectively in English.

By studying a range of texts, learners understand more about writers' choices of language, form and structure, and develop their ability to form independent opinions about what they read. Learners also improve their understanding of the English language and how it is used, extending their skills across a range of writing styles, including imaginative, discursive and argumentative.

AICE General Paper

Credit: 1.0

This syllabus builds learners' ability to understand and write in English through the study of a broad range of contemporary topics. They will analyse opinions and ideas and learn how to construct an argument. This syllabus develops highly transferrable skills including: how to develop arguments and present reasoned explanations, a wider awareness and knowledge of current issues, independent reasoning, interpretation and persuasion skills and the ability to present a point of view clearly and reflect upon those of others.

Creative Writing I, II, III, IV

Credit: 1.0

In creative writing, students will have an opportunity to practice their unique styles in many different writing genres such as narratives, fables, myths, short stories, poetry, and more. Students are expected to share some of what they write and offer constructive feedback on what others share.

Journalism I, II, III, IV (Yearbook)

Credit: 1.0

Journalism provides instruction in aspects of journalism and workshop experience in journalistic production. Instruction will be given in recognizing and writing news for journalistic media and in developing editorials, sports articles, feature stories, entertainment reviews, and cartoons. In addition to written work, students will receive instruction in the history and traditions of journalism, as well as workshop experiences in design, advertising, research, interviews, and other practical



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aspects of journalistic enterprise. In connection with workshop experiences, one or more student journalistic productions may be included.

Special Note: Students who enroll in Yearbook will be required to dedicate a significant amount of time after school attending school sponsored events to chronicle the year's events.

Debate I, II, III, IV, V, VI Honors (Competitive)

Credit: 1.0

The purpose of this course is to develop students' beginning awareness, understanding, and application of language arts as it applies to oral communication concepts and strategies for public debate in a variety of settings. Students must compete in after-school and/or weekend tournaments.

Special Note: Student must participate in after-school and/or weekend tournaments.

COMPUTER SCIENCE

AP Computer Science Principles

Credit: 1.0

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

AP Computer Science

Credit: 1.0

The purpose of Advanced Placement Computer Science A is to provide an extensive study of the applications of computing within the context of programming methodology, algorithms, and data structure. The content includes, but is not limited to, emphasis on structured and logical design of computer programs and advanced topics such as controls, structures, and file manipulation.

DUAL ENROLLMENT

Dual Enrollment classes are only available for eligible students. Please see your School Counselor for more information.

AVAILABLE FOR THE FALL TERM

College Algebra (MAC1105)

High School Credit: 0.5 College Credit: 3.0

This course contains topics such as: solving linear and quadratic inequalities; solving systems of linear equations; solving quadratic, absolute value, radical, exponential, and logarithmic exponential and logarithmic equations; properties functions and their graphs. Applications appear throughout the course. Applications appear throughout the course.

Total Wellness (HLP1081)

High School Credit: 0.5 College Credit: 3.0

This course only meets twice a week and satisfies your online credit. Total Wellness emphasizes the importance of knowledge, attitudes, and practices relating to personal wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal wellness including physical, social emotional, intellectual, spiritual and environmental wellness. This course integrates personal wellness and fitness in both a classroom and exercise environment. Evolving current topics such as nutrition, disease prevention, stress reduction, exercise prescription, and environmental responsibility are integrated to enable the student to understand the lifelong effects of healthy lifestyle choices.

Composition I (ENC1101)

High School Credit: 0.5 College Credit: 3.0

ENC1101 is a university parallel course that requires students to learn and practice writing by creating original compositions, exploring basic rhetorical forms such as narration, exposition, and argumentations. Students will also develop research skills and learn to incorporate research material through the writing process. For non-exempt students, placement in ENC1101 is determined by both standard and departmental assessment tests. Students must earn a grade of C or higher to meet the requirements of the Gordon Rule for writing. This is a writing credit course that focuses on extensive writing and revision.



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Developmental Psychology (DEP2004)

High School Credit: 0.5 College Credit: 3.0

This is a developmental psychology course that considers human growth from conception to death. This course covers the physical, cognitive, and psycho-social process of human development. It is designed to give a general overview of the developmental processes. This is a writing credit course with International /Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

Strategies for Success (SLS1001)

High School Credit: 0.5 College Credit: 3.0

This course is tailored for First Time in College students and provides opportunities to: learn about Broward College and higher education; acquire and practice learning strategies; explore personal learning styles; identify career options; and develop life-long skills for responsible citizenship

Aerospace Fundamentals (ASCI100)

@ Embry Riddle

High School Credit: 0.5

This course includes high-level exposure to the foundation of collegiate-level coursework, history, careers, disciplines, and operations of the world's aerospace industry. An introductory focus will be placed on aerospace physics (secondary education core curriculum components), engineering, management, operations, and maintenance. Upon completion of the single Carnegie Unit course (one academic year), students will be prepared for college-level course work in focused disciplines, and will also have an understanding of academic and career paths in aviation and aerospace.

AVAILABLE FOR THE SPRING TERM

Composition II (ENC1102)

High School Credit: 0.5 College Credit: 3.0

Composition II is designed to further develop a student's communication skills by building on the writing and critical thinking strategies learned in ENC1101. The course requires students to observe the conventions of Standard American English and create documented essays, demonstrating a students' ability to think critically and communicate analytically. Selected texts supplement the course and provide topics for discussion and assignments. Students use library research methods for primary and secondary sources to produce

MLA style-documented and well-argued research essays and projects. This is a writing credit course. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing. Prerequisite: Composition I (ENC1101)

Statistics (STA2023)

High School Credit: 0.5 College Credit: 3.0

A first course in statistical methods including such topics as collecting, grouping, and presenting data; measures of central tendency, position, and variation; theoretical distributions; probability; test of hypotheses; estimation of parameters; and correlation. Use of statistical computer software and/or a scientific calculator (capable of performing 2-variable statistics) will be required.

Strategies for Success (SLS1001)

High School Credit: 0.5 College Credit: 3.0

This course is tailored for First Time in College students and provides opportunities to: learn about Broward College and higher education; acquire and practice learning strategies; explore personal learning styles; identify career options; and develop life-long skills for responsible citizenship.

Total Wellness (HLP1081)

High School Credit: 0.5 College Credit: 3.0

This course only meets twice a week and satisfies your online credit. Total Wellness emphasizes the importance of knowledge, attitudes, and practices relating to personal wellness. It is a course designed to expose students to a broad range of issues and information relating to the various aspects of personal wellness including physical, social emotional, intellectual, spiritual and environmental wellness. This course integrates personal wellness and fitness in both a classroom and exercise environment. Evolving current topics such as nutrition, disease prevention, stress reduction, exercise prescription, and environmental responsibility are integrated to enable the student to understand the lifelong effects of healthy lifestyle choices.

Developmental Psychology (DEP2004)

High School Credit: 0.5 College Credit: 3.0

This is a developmental psychology course that considers human growth from conception to death. This course covers the physical, cognitive, and psycho-social process of human development. It is designed to give a



FLANAGAN COURSES

2023 – 2024

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general overview of the developmental processes. This is a writing credit course with International /Intercultural content. Students must earn a minimum grade of C to meet the requirements of the Gordon Rule for writing.

Unmanned Aerial Vehicles and Systems (ASCI260)

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High School Credit: 0.5 College Credit: 3.0

This course is a survey of Unmanned Aerial Vehicles (UAV) and systems, emphasizing the military and commercial history, growth and applications of UAVs. The course will include basic acquisition, use, and operation of UAVs with an emphasis on operations.