















COLONIAL HIGH SCHOOL COURSE DESCRIPTION CATALOG

CONNECT WITH US

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Table of Contents

Table of Contents

Diploma Information

Diploma Options

Diploma Designations

Grade Point Average

Class Rank

Grade Forgiveness/Course Recovery

On-Track to Graduation

Academic Plans of Study

ACCESS Points

Advanced Placement

Advancement Via Individual Determination (AVID)

Cambridge AICE

Dual Enrollment

Pre-Major Plans of Study

Academy of Automotive Services

Academy of Information Technology

Allied Health Assisting

Animal and Veterinary Sciences

Business Management and Analysis

Culinary Arts

Digital Media/Multimedia Design

Digital Video Technology

Engineering Pathways

Flight Academy

Hospitality & Tourism Management

Junior Reserve Officer Training Corps

Pre-Law

Visual and Performing Arts Plans of Study

Band

Fine Arts

Musical Theatre

Orchestra

Vocal Performance

Course Catalog

Academic Planning Sheet

Dear Grenadiers.

Welcome to Colonial High School where "It's Great to be a Grenadier!"

Our Curriculum Guide outlines Pre-Major Courses of study offered to students. Registration time gives you an opportunity to stop, reflect and consider carefully your opportunities available here at CHS. Your selections should support your efforts and develop your talents and skills. Your choices will help you build your academic foundation for the future. The registration process is a critical piece of building that future.

Please read the descriptions and requirements carefully. Discuss the options with your parents or guardian, and ask questions of your teachers and counselors. Our teachers and staff stand ready to encourage and support your academic journey. Our teachers and staff have worked hard to establish a rigorous curriculum.

We challenge you to strive to achieve the highest levels in all your endeavors. We believe all students have the potential to complete college level courses or even earn an Associate of Arts Degree while at Colonial High School. We encourage you to challenge yourself with honors, Advanced Placement, Cambridge or Dual Enrollment courses. Course selection allows you to begin an adventure through which you will learn and define not only who you are, but also what you can become.

Colonial High School is establishing a tradition of excellence in academics, athletics, and the arts. We encourage you to participate fully in the high school experience and to involve yourself in our school community. As you continue on your academic journey as a Grenadier keep this in mind:

"It always seems impossible until it is done."

- Nelson Mandela

Sincerely,

Your Colonial High School Administrative Team

Main Campus

6100 Oleander Dr. Orlando, FL 32807 407-482-6300

Freshman Campus

7775 Valencia College Ln. Orlando, FL 32825 407-249-6369

colonialhs.ocps.net

Est. 1958

High School Code 101287



Home of the **Grenadiers**

Colonial High School is located in north Azalea Park in Orlando, and serves a diverse, suburban residential community. It was established in 1958 and is one of 22 traditional high schools in Orange County Public Schools.

Our Mission

With the support of families and the community, we create enriching and diverse pathways that lead our students to success

Administrative Team

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Diploma Information

Diploma Options

Frequently Asked Questions

What are the diploma options?

Students must successfully complete one of the following diploma options:

- 24-credit standard diploma
- 18-credit Academically Challenging Curriculum to Enhance Learning (ACCEL)
- Advanced International Certificate of Education (AICE) curriculum (see Cambridge AICE Academic Plan of Study)
- International Baccalaureate (IB) Diploma curriculum

What are the state assessment requirements?

Students must pass the following statewide assessments:

- Grade 10 English Language Arts (ELA) or a concordant score.
- Algebra 1 end-of-course (EOC) or a comparative score

Refer to <u>Graduation Requirements for Florida's Statewide</u> <u>Assessments</u> for concordant and comparative scores.

Students enrolled in the following courses must participate in the EOC assessments, which constitute 30 percent of the final course grade*:

- Algebra 1
- Geometry
- Biology 1
- U.S. History

*Special note: Thirty percent not applicable if enrolled in the course but passed the EOC (credit acceleration program [CAP]).

What is CAP?

The CAP program allows a student to earn high school credit if the student passes an Advanced Placement (AP) examination, a College Level Examination Program (CLEP) or a statewide course assessment without enrollment in the course. The courses include the following subjects:

- Algebra 1
- Geometry
- Biology 1
- U.S. History

What is the distinction between the 18-credit ACCEL option and the 24 credit option?

- 3 elective credits instead of 8
- Physical Education is not required
- Online course is not required

All other graduation requirements for a 24-credit standard diploma must be met (per section 1003.4282(3)(a)-(e), Florida statutes [F.S.]).

24-Credit Standard Diploma Requirements

4 Credits ELA

- ELA 1, 2, 3, 4.
- ELA Honors, AP, AICE, IB and dual enrollment courses may satisfy this requirement.

4 Credits Mathematics

- One of which must be Algebra 1 and one of which must be Geometry
- Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra 1 and Geometry).
- An identified rigorous computer science course with a related industry certification may substitute for up to one mathematics credit (except for Algebra 1 or higher-level mathematics).

3 Credits Science

- One of which must be Biology 1, two of which must be equally rigorous science courses.
- Two of the three required course credits must have required laboratory components.
- Industry certifications that lead to college credit may substitute for up to one science (except for Biology 1).
- An identified rigorous computer science course with a related industry certification may substitute for up to one science credit (except for Biology 1 or higher level science).

3 Credits Social Studies

- 1 Credit in World History
- 1 Credit in U.S. History
- 0.5 Credit in U.S. Government
- 0.5 Credit in Economics with Financial Literacy

1 Credit Fine and Performing Arts, Speech and Debate, or Practical Arts*

1 Credit Physical Education*

• To include the integration of health.

8 Elective Credits

1 Online Course

- Students must meet the state assessment requirements
- Students must earn a 2.0 grade point average (GPA) on a 4.0 scale for all cohort years.

Diploma Designations

Scholar Diploma Designation

In addition to the requirements of section (s.) 1003.4282, Florida Statutes (F.S.), a student must satisfy the following requirements (per. s. 1003.4285, F.S.):

- Earn 1 credit in Algebra 2 or an equally rigorous course
- Pass the Geometry, Biology, and US History End of Course Assessments *
- Earn 1 credit in Statistics or an equally rigorous mathematics course
- Earn 1 credit in Chemistry or Physics
- Earn 1 credit in a course equally rigorous to Chemistry or Physics
- Earn 2 credits in the same World Language
- Earn at least 1 credit in an AP, IB, AICE or a dual enrollment course

* A student is exempt from the Biology 1 or U.S. History EOC assessment if the student is enrolled in an AP, IB or AICE Biology 1 or U.S. History course; takes the respective AP, IB or AICE assessment; and earns the minimum score to earn college credit.

Merit Diploma Designation

- Meet the standard high school diploma requirements
- Attain one or more <u>industry certifications</u> from the list established (per s. 1003.492, F.S.)

What are the additional graduation options for students with disabilities?

Two additional options are available only to students with disabilities. Both allow students to substitute a CTE course with related content for one credit in ELA 4, mathematics, science and social studies (excluding Algebra 1, Geometry, Biology 1 and U.S. History). The two options are as follows:

- Students with significant cognitive disabilities may earn credits via access courses and be assessed via an alternate assessment.
- Students who choose the academic and employment option must earn at least 0.5 credit via paid employment.

State University System (SUS)

Admission into Florida's public universities is competitive. Prospective students should complete a rigorous course of study in high school and apply to more than one university to increase their chance for acceptance. To qualify to enter one of Florida's public universities, a first-time-in-college student must meet the following minimum requirements:

- High school graduation with a standard diploma, a minimum of a 2.5 GPA, and admission test scores meeting minimum college-ready test scores per Board of Governors (BOG) Regulation 6.008
- 16 credits of approved college preparatory academic courses per BOG Regulation 6.002
- 4 English (3 with substantial writing)
- 4 Mathematics (Algebra 1 level and above)
- 3 Natural Science (2 with substantial lab)
- 3 Social Science
- 2 World Language (sequential, in the same language or other equivalents)
- 2 approved electives

The Florida College System

The 28 colleges of the Florida College System offer affordable and stackable workforce credentials including certificate programs, associate in science degrees and associate in arts degrees, which transfer to a bachelor's degree program. Many colleges also offer workforce bachelor's degree programs in areas of high demand. All Florida College System institutions have open door admissions for students who earned a standard high school diploma or an equivalent diploma.

Career and Technical Colleges and Centers

Florida also offers students 49 accredited <u>career and technical colleges</u> or centers throughout the state, which provide the education and certification necessary to work in a particular career or technical field. Programs are flexible for students and provide industry-specific education for a variety of occupations.

Where is information on financial aid located?

The Florida Department of Education's Office of Student Financial Assistance administers a variety of postsecondary educational state-funded grants and scholarships.

Florida Seal of Biliteracy

Silver Seal of Biliteracy

- 4 Foreign Language Credits in the same foreign language with a cumulative 3.0 GPA or higher on a 4.0 scale
- Pass the AP Language Exam with a Level 3 or higher

Gold Seal of Biliteracy

- 4 Foreign Language Credits in the same foreign language with a cumulative 3.0 GPA or higher on a 4.0 scale
- Pass the Grade 10 FSA ELA with a Level 4 or higher
- Pass the AP Language Exam with a Level 4 or higher

Grade Point Average

Cumulative grade point averages are based on final grades only. A final grade is comprised of two semester grades (or in the case of a semester course, the two quarter grades) and the final exam which is weighted differently depending on whether or not it is an End of Course Assessment (30% of the final grade) or a Common Final Exam (20% of the final grade). Final grades are assigned based on the scale below:

Grading Scale			
Α	90-100		
В	80-89		
С	70-79		
D	60-69		
F	50-59		

There are two calculations for your cumulative Grade Point Average: Weighted and Unweighted. The GPA is recalculated at the end of each semester. The average is computed by dividing the total number of quality points earned (see table below) by the total number of courses attempted.

	Unweighted Quality Points The GPA used for graduation		Weighted Quality Points Honors, Pre-AICE		uality Points al Enrollment
Α	4	A	5	Α	6
В	3	В	4	В	5
С	2	С	3	С	4
D	1	D	1	D	1
F	0	F	0	F	0

Class Rank

Class rank is calculated twice a year for 11th and 12th graders: At the beginning of the school year and at the beginning of the 2nd semester. Valedictorian and Salutatorian are determined using the weighted rank at the end of the seventh semester. In the event of a tie, the students will share the honor of the title of CoValedictorian and/or Co-Salutatorian.

Grade Forgiveness/Course Recovery

Under state policy, students who earn a grade of D or F in a class may retake that course or a similar course to improve their grade. The higher grade (C or better), will replace the D or F in the GPA. However, the original grade will remain on the transcript. Students who earned a C or below in the course in middle school, may also repeat for grade forgiveness.

Grade Forgiveness via Edgenuity is available for students who earn a semester grade of a D or an F for certain core courses. Seniors missing required credits for graduation will automatically be enrolled in the Course Recovery Lab to complete Edgenuity courses to ensure they have all the requisite credits for graduation, sacrificing an elective or opportunities for late arrival and early release. Juniors and sophomores missing a significant number of credits will be enrolled in the Course Recovery Lab as well.

Grade Forgiveness via Edgenuity is also available through Summer School or independent study in order to avoid losing access to elective courses during Junior and Senior year.

On-Track to Graduation

It is imperative that students understand what it means to be on track to graduate. There are milestones that need to be met each year in high school. The graduation checkpoints identified below provide you a road map toward graduation with a standard 24-credit diploma.

You may, of course, complete these in a different order (example: some students complete Algebra 1 in 8th grade or take Biology in 9th grade). Completing the milestones as recommended below will ensure students are not scrambling to ensure they have all of their graduation requirements met during their senior year.

Year	Requirements Met
Freshmen	 Maintain a GPA above a 2.0 (As, Bs, and Cs) Earn 1 credit for ELA 1, Algebra 1, a science, HOPE and 3 electives Take and earn a 3 on the Algebra 1 End of Course Exam Complete an online class via OCVS or FLVS Take and earn a credit in a fine arts class
Sophomore	 Maintain a GPA above a 2.0 (As, Bs, and Cs) Earn 1 Credit for ELA 2, Geometry, Biology, World History and 3 electives Take and earn a 3 on the FSA ELA 10 Take the Biology EOC
Junior	 Maintain a GPA above a 2.0 (As, Bs, and Cs) Earn 1 Credit for ELA 3, an additional math class, an additional science class, US History and 3 electives Earn concordant scores via the ACT, SAT, or PSAT to meet the reading and math mastery requirements (if not completed already) Take the US History EOC
Senior	 Maintain a GPA above a 2.0 (As, Bs, and Cs) Earn 1 credits for ELA 4, an additional math class, an additional science class, Government and Economics and 3 electives (or early release/late arrival, dual enrollment) Earn concordant scores via the ACT, SAT, or PSAT to meet the reading and math mastery requirements (if not completed already)

Academic Plans of Study

ACCESS Points

The ACCESS Points program is designed to provide students with significant cognitive disabilities access to the general curriculum. The curriculum aligns with Florida standards to reflect core graduation requirements that apply to all students with reduced levels of complexity. Upon graduation, students who successfully complete the ACCESS Points program will have the option to attend a structured work study program through ESE transition school-post high school transition programs.

Advanced Placement

The AP Program is a cooperative educational endeavor with the College Board. AP courses require extra reading and analysis time on the part of the student. AP exams are given during May, with scores of 1-5 being reported to colleges of choice. During the enrollment process, please visit with your counselor regarding AP courses you may wish to take.

Why Take Advanced Placement?

AP courses offer the same depth and difficulty of college courses but students have twice the time to complete the course. Each course is weighted and a student may earn college credit if a passing score is obtained on the exam

Advanced Placement Course Guidelines:

- AP courses require a year-long commitment and changes will be limited.
- The AP exam in May is a requirement; Students must take the AP exam for every course s/he is enrolled.

Advanced Placement Courses					
English	Science	Social Studies			
 AP English Language Composition AP English Literature 	AP BiologyAP Environmental Science	 AP Human Geography AP World History AP United States History AP American Government AP Macroeconomics AP Psychology 			
Math	World Languages	Elective			
 AP Statistics AP Pre-calculus AP Calculus AB AP Calculus BC 	AP Spanish LanguageAP Spanish Literature	AP Music TheoryAP DrawingAP 2-D Art & Design			

Advancement Via Individual Determination (AVID)

AVID (Advancement Via Individual Determination) is a national program for 4th-12th grade students designed to support and assist those who have not previously succeeded in a college preparatory path for admission to universities and colleges. Our goal is to provide all students with the essential resources needed to be successful in rigorous courses and to promote an awareness of the significance of higher education, as well as the limitless opportunities for their futures. As an academic support elective, AVID seeks to prepare students for college eligibility and empowers them to strive for academic excellence.

Students must..

- be enrolled in at least one college preparatory course (AP, AICE, Pre-AICE, Dual Enrollment),
- maintain an AVID binder,
- participate in tutorials,
- maintain a 2.0 GPA, and
- take Focused Notes in all academic classes.

Cambridge AICE

The Cambridge AICE Diploma is an international pre-university curriculum that prepares learners for honors degree programs. It lets schools offer a broad curriculum by recognizing the achievements of learners who pass examinations in subjects drawn from across the curriculum. This is an application-based pre-major which must be started by the beginning of the student's 10th grade year. The program requires students to have completed Algebra 1 with an A or B and a 3 or higher on the Algebra 1 EOC prior to entering 9th grade, and scoring a 4 or 5 on the 8th Grade ELA FSA or in at least the 70th percentile on a national ELA assessment.

Students can earn a standard high school diploma via completion of the AICE curriculum. The AICE curriculum is the completion of 14 credits: Students earn one credit by completing and passing one AICE full credit course and another credit for taking the corresponding AICE examination. AICE diploma students earn one point by completing and passing the corresponding AICE examination.

For more information on the Cambridge Program, please contact Ms. Sharon Christensen-Jones at <u>9586@ocps.net</u>.

Why Take Cambridge AICE Classes?

Students who successfully earn the Cambridge AICE diploma in tandem with serving 100 hours of community service will automatically qualify for Florida Bright Futures Scholarship. Additionally, students can earn college credits in ELA, Science, Math, and Social Studies.

Cambridge AICE Diploma					
Group 1: Mathematics and Sciences	Group 2: Languages	Group 3: Arts and Humanities	Group 4: Interdisciplinary Studies	Core: Required	
AICE Mathematics AICE Biology AICE Chemistry AICE Marine Science AICE Physics AICE Psychology AICE Environmental Management	AICE English Language AICE Spanish Language	AICE European History AICE U.S. History AICE English Literature AICE Sociology AICE Psychology	AICE English General Paper AICE Thinking Skills	AICE Global Perspectives and Research	

The Cambridge AICE Diploma must be completed within three school years and requires students to take and pass seven AICE courses and the corresponding AICE exams. Students who start taking AICE courses in 9th grade will complete the AICE Diploma requirements at the end of 11th grade, contingent upon passing seven AICE exams. Students who meet this requirement at the end of junior year can continue to take AICE courses during senior year to maximize opportunities to earn college credit. Students who do not pass seven AICE exams by the end of junior year can continue to pursue the AICE Diploma in 12th grade, but will have to forfeit any passed AICE exams from 9th grade with regard to AICE Diploma completion.

Please note that math course placement is based on previous math course completion and will be different for each student. The recommended science course for 10th grade is Pre-AICE Chemistry or Pre-AICE Physics, however students do have the option of selecting any honors or AP science course.

Recommended Progression for Diploma Completion for candidates beginning in 9th grade				
Grade	English	Math	Science	Arts & Humanities
9th	AICE English General Paper	Pre-AICE or honors math course	Pre-AICE Biology	
10th	AICE English Language AS	Pre-AICE or honors math course	Pre-AICE Chemistry, Pre-AICE Physics, or honors/AP science	AICE European History
11th	AICE English Language AL or AICE English Literature	AICE, AP, or Pre-AICE math course	AICE science course	AICE U.S. History
12th	AICE English Literature	AICE, AP, or Pre-AICE math course	AICE science course	AP U.S. Government and AP Macroeconomics

All students are required to take AICE Global Perspectives during their third year in the program. This course is required to earn the AICE Diploma and will replace an elective in the schedule. Cambridge students have the opportunity to take AICE elective courses during grades 10-12. AICE Sociology and AICE Thinking Skills are open to students in grades 10-12 and AICE Psychology is open to students in grades 11 and 12.

Recommended Progression for Diploma Completion for candidates beginning in 10th grade					
Grade	English	Arts & Humanities			
10th	AICE English General Paper	Pre-AICE or honors math course	Pre-AICE Chemistry, Pre-AICE Physics, or honors/AP science	AICE European History	
11th	AICE English Language AS	AICE, AP, or Pre-AICE math course	AICE science course	AICE U.S. History	
12th	AICE English Language AL or AICE English Literature AS	AICE, AP, or Pre-AICE math course	AICE science course	AP U.S. Government and AP Macroeconomics	

Dual Enrollment

Dual enrollment is designed to accelerate college and career readiness for high school students. Colonial High School offers a variety of Dual Enrollment programs. To enroll in dual enrollment academic courses, students must demonstrate a readiness to successfully complete post-secondary level course work and have attained a qualifying grade point average. Students who participate in dual enrollment have the opportunity to earn both high school and college or technical education credit at the same time.

Application and course selection deadlines are determined by each partner institution. It is strongly recommended that you discuss dual enrollment opportunities during the school year prior to engaging in them. There is no vehicle by which Colonial High School can override an institution's application requirements or deadlines. If you are considering dual enrollment, please make an appointment to meet with your school counselor as soon as you can.

Valencia College

- 3.0 unweighted GPA at the time of application
- Obtain college ready test scores in all three sections of one or a combination of the following tests:
- PERT— Reading, 106, Writing, 103, Math 114 (Intermediate Algebra) Math123 (College Algebra)
- ACT— Reading 19, Writing 17
- Math 19 (Intermediate Algebra) Math 21 (College Algebra)
- SAT— Reading 24, Writing 25
- Math 24 (Intermediate Algebra) Math 26.5 (College Algebra)

Website: Valencia College Dual Enrollment

University of Florida

- Fully online program
- Must be a high school junior or senior
- 3.6 unweighted GPA
- SAT—1100 composite score OR
- ACT—22 composite score OR
- PSAT—1130 composite score

Website: UF Dual Enrollment

EdEquity Lab

University of Central Florida

- Must be a high school junior or senior
- 3.8 unweighted GPA recalculated by UCF using academic core classes only
- SAT—1330 composite score OR ACT—28 composite Score

Website: UCF Dual Enrollment

Orange Technical College

- Must be at least 16 years of age
- 2.0 unweighted GPA
- Must be on target for graduation
- Transportation is provided
- Programs include:
 - Accounting Operations
 - Administrative Office Specialist
 - Automotive Collision Technology Technician
 - Automotive Service Technology 1
 - Computer-Aided Drawing and Modeling
 - o CNC Production Specialist
 - o Diesel Systems Technician
 - Digital Audio Production
 - o Digital Cinema Production
 - Digital Media/Multimedia Design
 - Digital Photography Technology
 - Electricity
 - Enterprise Desktop and Mobile Support Technology
 - Fundamental Foodservice Skills
 - Heating, Ventilation, Air-Conditioning/Refrigeration 1 (HVAC/R1)
 - Lodging Operations (Hotel and Resort Business Management)
 - Machining Technologies
 - Major Appliances and Refrigeration Technician
 - Mechatronics Technology
 - Medical Administrative Specialist
 - Medical Assisting
 - Medical Laboratory
 - Patient Care Assistant
 - Practical Nursing
 - Pharmacy Technician
 - Web Development
 - Welding Technology

Interested? Email Ms. Marta Rodriguez

Pre-Major Plans of Study

Colonial High School offers all students an incredible variety of pathways to complete high school. These pathways, or Programs of Study, will lead students toward successful completion of a standard high school diploma while also preparing them to be college and career ready in a field of their choice.

These programs allow students to select a focused curriculum to provide students with the opportunity to explore an area of interest in depth, gain real world experiences, and allow students to matriculate toward a post-secondary program that yields college credit or industry certifications.

Academy of Automotive Services

The Automotive Service Assistor course prepares students for entry into the automotive service industry. Students explore career opportunities and requirements of a professional auto mechanic. Students study equipment skills, safety regulations, routine maintenance, and customer service.

The Automotive Brake System Technician prepares students for entry into the automotive service industry. Students study diagnostics and repair of brake systems, drum brakes, disc brakes, power assist units, electronic brakes, traction, and stability control.

The Automotive Electrical/Electronic System Technician prepares students for entry into the automotive service industry. Students study diagnostics and repair of electrical/electronics, battery, starting, charging, lighting, gauges, warning devices, driver information, horn, wiper/washer and accessory systems.

The Automotive Collision Repair and Refinishing Helper/Assistant course prepares students for entry into the Automotive Collision and Repair industry. Students study safety precautions; surface preparation; spray gun and related equipment operation; paint mixing, matching and applying; paint defects (causes and cures); and final detailing.

The Non-Structural Damage Repair Technician course prepares students for entry into the Automotive Collision and Repair industry. Students study safety, the preparation; outer body panel repairs, replacements, and adjustments; metal finishing and body filling; movable glass and hardware; plastics and adhesives; electrical; and brakes.

Automotive Services Technology				
Year 1	Year 2 Year 3			
Auto Service Assistor Auto Brake Systems Engine Repair Tech		Automotive Electrical Systems		
Automotive Collision Technology				
Year 1	Year 2	Year 3		
Collision Repair	Collision Refinishing	Non-Structural Damage		

- The instruction, course of study, facilities, and equipment of OCPS Programs, have been approved by the National Automotive Technicians Education Foundation (NATEF) and is certified by the National Institute for Automotive Service Excellence Standards of Quality (ASE) for the training of Automobile Technicians.
- A 2.0 GPA is required
- Double block

Industry Certification Opportunities Include:

Automotive Service Technology 1 program, students take these exams from the National Institute for Automotive Service Excellence:

- A1 Engine Repair
- A2 Automatic Transmission/Transaxle
- A3 Manual Transmission/Transaxle
- A4 Suspension and Steering
- A5 Brakes
- A6 Electrical/Electronic Systems
- A7 Heating and Air Conditioning Systems
- A8 Engine Performance
- G1 Auto Maintenance and Light Repair Certification

Automotive Collision Technology Technician program, students take these exams from the National Institute for Automotive Service Excellence:

- B2 Collision Repair and Refinishing Technician
- B3 Non-Structural Analysis and Repair
- B4 Structural Analysis and Repair
- B5 Electrical and Mechanical Components



Academy of Information Technology: Enterprise Desktop and Mobile Support Technology

The Enterprise Desktop and Mobile Support Technology program focuses on operation, configuration, and troubleshooting of current operating systems, mobile devices, and a variety of enterprise PC hardware. Included is development of skills in installing, configuring and troubleshooting of business applications, fundamental network concepts, printers, cabling, PC hardware, software, iOS, Android and more. The program develops attitudes and relationship skills required in a customer service industry with focus on technical skill sets required by local employers in the IT field. The structure of this program is intended to prepare students to complete the CompTIA A+ and, optionally, the Network+ industry certifications. The course content includes, but is not limited to, communication, leadership skills, human relations, employability skills, and safe and efficient work practices.

Year 1	Year 2	Year 3
Computer Hardware Fundamentals	Operating System Fundamentals	Advanced Operating Systems

- Occupational Completion Points (OCPs) The Enterprise Desktop and Mobile Support Technology
 program is a planned sequence of instruction aligned with industry standards consisting of four occupational
 completion points. OCPs provide students with early completion training options linked to employment
 opportunities established by the Florida Department of Education based on the Standard Occupational
 Classification (SOC) system and accepted industry titles.
- Industry Certification Opportunities Include:





Allied Health Assisting

Career Pathways:

- Healthcare Support Work
- Nursing
 - Nursing Assistant (CNA)
 - Licensed Practical Nurse (LPN)
 - Registered Nurse (RN)
 - Advanced Practice Registered Nurse (APRN)
- Medical Doctor
- Physician's Assistant
- Forensics

Year 1	Year 2	Year 3
Health Science Anatomy & Physiology	Health Science Foundations	Allied Health Assisting 3

- Recommended Core Classes to support Pre-Major
 - Chemistry/Chemistry Honors
- Articulation Credits
 - Passing Health & Science Anatomy and Physiology 1 with a C or higher earns science credit 3 medical terminology credits if enrolled with Valencia College
- Post-Secondary Pathways via Orange Technical College
 - Basic Healthcare Worker

The Health Science Core course is required in the majority of PSAV and College Health Science programs. At the PSAV level, the health science core is offered through Basic Health Care Worker

Industry Certification Opportunities Include:

BLS CPR and First Aid

Certified EKG Technician (CET)

Certified Electronic Health Records Specialist (CEHRS)

Certified Medical Administrative Assistant (CMAA)

Animal and Veterinary Sciences

Career Pathways:

- Animal Health
- Animal Science
- Geneticists
- First-Line Supervisors of Farming, Fishing, and Forest Work
- Veterinary Sciences
- Veterinary Assistant
- Veterinary Science
- Animal Behavior
- Wildlife Ecology

- Food Animal Production
- Aguaculture/ Marine Biology
- Natural Resource Management
- Animal Nutrition
- Genetics
- Zoology

Year 1	Year 2	Year 3	Year 4
Agriscience	Animal Science and	Animal Science and	Animal Science and
Foundations 1	Services 2	Services 3	Services 4

- Recommended Core Classes to support Pre-Major
 - o Biology
 - Chemistry
- Students in Year 4 can also participate in Agricultural Directed Study programs and Agriculture, Food & Natural Resources Cooperative Education, both of which provide on-the-job experiences beyond the Year 3 and Year 4 curriculums.
- Industry Certifications Opportunities Include:
 - o AEST Animal Science Specialist
 - AEST Associate of Agriculture
 - Beef Quality Assurance

Business Management and Analysis

Career Pathways:

- Entrepreneur
- General and Operations Management
- Computer User Support
- Human Resources Manager
- Business Analysis
- Business Management
- Paralegal
- Accountant

Skills on this pathway will be relevant no matter what path you choose.

Year 1	Year 2	Year 3	Year 4
Digital Information Tech	Business & Entrepreneurial Principles	Accounting Applications 1	Legal Aspects of Business OR Accounting Applications 2

- Students who enter high school having completed Digital Information Technology as an 8th grader will have access to a Year 5 course: *Management and Human Resources*
- Industry Certification Opportunities Include:

Entrepreneurship & Small Business Master Entrepreneurship Certification QuickBooks Certified User

Culinary Arts

Career Pathways:

- Food production worker
- Cook/Chef
- Restaurant management

Year 1	Year 2	Year 3	Year 4
Culinary Arts 1	Culinary Arts 2	Culinary Arts 3	Culinary Arts 4

- Students have the option of completing Year 2 and Year 3 in the same school year to open up a matriculation pathway toward specialization courses in Culinary Arts as well as dual enrollment opportunities at Orange Technical College
- Post-Secondary Pathways via Orange Technical College Intro to Food Prep Cooking Methods and Techniques
- Industry Certification Opportunities Include:

Certified Food Protection Manager (ServSafe) National Food Safety Manager

Digital Media/Multimedia Design

Career Pathways:

- Graphic Design
- Desktop Publishing
- Computer User Support Specialist
- Multimedia Artist and Animator
- Social Media Design
- Marketing

Year 1	Year 2	Year 3	Year 4
Digital Media/Multimedia	Digital Media/Multimedia	Digital Media/Multimedia	Digital Media/Multimedia
Foundations 1	Foundations 2	Foundations 3	Foundations 4

- Post-Secondary Pathways via Orange Technical College Theory of Foundations of Design Multimedia Digital/Print Designer Multimedia Web Interactive Designer Multimedia Integrated Producer Designer
- Industry Certification Opportunities Include:

Adobe Certified Professional in Visual Design (Requires Photoshop and Illustrator or InDesign)
Adobe Certified Professional in Web Design (Requires Dreamweaver and Animate or Photoshop)

Digital Video Technology

Career Pathways:

- Audio and video equipment technician
- News broadcasting (technical and talent)
- Video production
- Camera operator
- Television and video film editor

Year 1	Year 2	Year 3	Year 4
Digital Video	Digital Video	Digital Video	Digital Video
Technology 1	Technology 2	Technology 3	Technology 4

Years 3 and 4 can be blocked in the same academic year

- Post-Secondary Pathways via Orange Technical College Digital Videography
 Digital Audio-Video Technology
 Digital Video Direction and Production
- Industry Certification Opportunities Include:
 Adobe Certified professional in Video Design (Requires Premier Pro and After Effects or Photoshop)

PLTW Engineering Pathways

Career Pathways:

- Engineering
- Architecture
- Drafting
- Manufacturing Technician

Year 1	Year 2	Year 3	Year 4
Introduction to Engineering Design	Aerospace Engineering	Principles of Engineering	Engineering Design and Development

• Recommended Core Classes to support Pre-Major

Pre-AICE Physics

AICE Physics

Chemistry Honors/Pre-AICE Chemistry/AICE Chemistry

Pre-Calculus

• Industry Certification Opportunities Include:

Autodesk Certified User - Inventor Autodesk Certified User - Fusion 360

Engineering Core Certification

Flight Academy

Career Pathways:

- Aerospace
- Aviation
- Military Aviation
- Disaster Management
- Emergency Response
- Ground Flight Control

Ground Flight School		Unmanned Flight School	
Year 1	Year 2	Year 1	Year 2
Aerospace Technologies 1 (Civil Air Patrol) 86000580	Aerospace Technologies 2 (sUAS for High School) 86000680	Principles of Aeronautical Science AS120	UAS Systems Ops & Cross Country Data Entry AS235
		Intro to Unmanned Aircraft Systems AS220	UAS Applications in Aerial Photography AS237

- Post-Secondary Pathways via Embry Riddle Aeronautical University (ERAU)
 Completion of up to 18 college credits at ERAU
 Satisfies most program prerequisites for upper level ERAU coursework
- Industry Certification Opportunities Include: Small UAS (sUAS) Safety Certification: Level 1

Hospitality & Tourism Management

Career Pathways:

- Hotel, Motel, and Resort Desk Clerk
- Customer Service Representative
- Meeting Convention and Event Planning
- Hotel, Motel, and Resort Management

Year 1	Year 2	Year 3	Year 4
Introduction to Hospitality & Tourism	Hospitality & Tourism Marketing Management	Hospitality & Tourism Entrepreneurship	

- Post-Secondary Pathways via Orange Technical College Guest Services Agent Front Desk Agent Lodging Manager
- Industry Certification Opportunities Include:

Certified Food Protection Manager (ServSafe) Entrepreneurship & Small Business Master Entrepreneurship Certification

Journalism

Career Pathways:

- Social Media Manager
- Public Relations
- Marketing
- Reporter
- Newspaper/Magazine Journalist

Year 1	Year 2	Year 3	Year 4
Journalism 1	Journalism 2	Journalism 3	Journalism 4
	Yearbook	Yearbook	Yearbook

 Recommended Classes to support Pre-Major AICE General Paper Creative Writing 1/2

Junior Reserve Officer Training Corps (JROTC)

Career Pathways:

- Military Officer
- Military Enlist
- Aviation

Year 1	Year 2	Year 3	Year 4
Aerospace Science 1 Aerospace Science 2		Aerospace Science 3	Aerospace Science 4 Adv. Aerospace Science
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Pre-Law

Career Pathways:

- Paralegal
- Leadership
- Lawyer
- Judge
- Social Worker
- Social Activist/Organizer
- Politics/Political Science

Year 1	Year 2	Year 3	Year 4
Debate 1 SGA or Latinos in Action	Debate 3 Honors Creative Writing 1 & 2 SGA or Latinos in Action	Debate 4 Honors AP US History AICE General Paper SGA or Latinos in Action	Debate 5 Honors AP Government SGA or Latinos in Action

Visual and Performing Arts Plans of Study

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Year 1	Year 2	Year 3	Year 4
Band 1	Band 2	Band 3	Band 4

Performance Tracks

- Wind
- Symphonic
- Jazz

Chorus

Students refine vocal techniques, musicianship skills, part singing and sight reading. Students perform a variety of music from classical to jazz and perform in exciting and challenging venues. Students' progress from Level II-Level V Honors chorus courses. Each course is designed to provide a high level of instruction and offer experiences which prepare students for further study at the college level or entrance into the profession. All music students who plan to go to college to major in music are strongly encouraged to take AP Music Theory and Class Piano in high school to help prepare for the rigorous collegiate music major.

Year 1	Year 2	Year 3	Year 4
Chorus 1	Chorus 2	Chorus 3	Chorus 4

Performance Tracks

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Fine Arts

Students work towards creating a professional level portfolio that can be presented to any employer or a college entrance committee. These courses require material fees and students will be researching and creating artwork every day.

- 2D Studio Art is only offered at the Freshman Campus.
- Students may take Portfolio, AP Drawing or AP 2-D Art & Design in year 3 or 4 with teacher approval.

Track	Year 1	Year 2	Year 3	Year 4
2D Art	2D Studio Art	Drawing 1	Portfolio	AP Drawing
3D Art		Ceramics 1	Ceramics 2	-or- AP 2D Art & Design

Theatre, Musical Theatre, & Tech Theatre

Theater majors explore the world of classic and contemporary musical theater while developing their voice, dance, and acting technique. The program begins with laying theater foundations, progressively moving into more challenging work, and then exploring the student's own artistic voice and creativity. The goal is to provide a high level of instruction and experiences that prepare students for further study at the college level or entrance into the profession.

Year 1	Year 2	Year 3	Year 4
Theatre 1	Musical Theatre 1 -or- Theatre 2	Musical Theatre 2 -or- Theatre 3	Musical Theatre 3, AP Music Theory -or- Theatre 4

Orchestra

Year 1	Year 2	Year 3	Year 4
Orchestra 1	Orchestra 1 Orchestra 2		Orchestra 4

Performance Tracks

- Chamber
- Concert

Course Catalog

Beyond the various plans of study offered at Colonial High School, students can take advantage of an a la carte selection of our individual course offerings. Students can select a pre-major in any one of our offered programs while also selecting and sampling electives from other pre-majors or courses offered that are not a part of a pre-major. Career and Technical Education Courses such as Culinary, Hospitality, Engineering, etc. are not listed below as they are not available to be taken a la carte or in isolation. You must declare those programs as part of your pre-major plan of study.

Arts, Performing Arts, Visual English ESE

<u>Leadership</u> <u>Mathematics</u> <u>Misc.</u> <u>Physical Education</u>

Science Social Studies World Languages

Arts. Performing

Advanced Women's Chorus. 1303320 Credit: 1

This is an advanced ensemble made up of experienced female singers. This ensemble requires a high level of sight reading, vocal technique, and advanced musicianship. This is a performance based class; various after school and evening performances and rehearsals will be required for this class.

Prerequisites: Audition

Band 1, 1302300 Credit: 1

Reserved for beginners who have never taken a band class before.

Concert Band, 1302310 Credit: 1

Focuses on fundamentals and music literature appropriate for younger high school musicians. Performs several concerts each year Attendance is required for rehearsals and performances outside regular school hours.

Jazz Band 1-3, 1302500-520 Credit: 1

Focuses on developing a wide variety of styles in the jazz idiom will explore medium to advanced level jazz literature. This band performs several concerts each year and attendance is required for rehearsals and performances outside regular school hours.

Keyboarding 1, 1301360

Students develop basic piano keyboard skills. Students at any level of proficiency receive individualized instruction on the piano and work at their own pace.

Credit: 1

Credit: 1

Men's Choir 1-3, 130330-320 Credit: 1

This course is designed for male students beginning their high school choral experience. Students will sing a variety of choral literature and styles from different musical type periods and various world cultures. Various after school and evening performances and rehearsals will be required for this class.

Musical Theatre 1-3, 0400700-720

Musical Theatre explores many aspects of the genre -- music theory, history, great composers, developing your voice for musical theatre, musical collaboration and harmonization, large and small group ensemble work, and many different styles of dancing for the stage -- jazz, ballet, and even tap dancing! Come have fun in this energetic and "up on your feet" course designed to help you develop not only your musical and acting talents, but also confidence in performing in front of others.

Prerequisites: Audition

Credit: 1

Theatre 2, 0400320 Credit: 1

Focuses on advanced fundamentals and techniques on a wide variety of instruments including mallets, timpani, and snare drum. Percussionists for Wind Ensemble, Symphonic Band, and Concert Band are selected from this class. Attendance is required for rehearsals and performances outside regular school hours.

20 Credit: 1

Focuses on advanced fundamentals and a high level of music literature. This band performs several concerts each year. Attendance is required for rehearsals and performances outside regular school hours.

Technical Theatre 1, 0400700

Symphonic Band, 1302320

Credit: 1

Technical Theatre, Design and Production 1 teaches many hands-on creative and marketable skills to students who are interested in the "back of house" arts in theatre. Students learn the ins and outs of a scenic shop, operate hand and power tools, scenic and textured painting, entertainment lighting systems and design, audio engineering for entertainment and sound design, as well as study fashion history, learn how to hand stitch as well as use a sewing machine to create original props and costumes! This is THE "D.I.Y" class you have been looking for!

Technical Theatre 2-4, 0400700-20

Credit: 1

Meets after school. Teacher placement only.

Theatre 1, 0400310

Credit: 1

This introductory theatre course will focus on creative expression through theatrical performance and design. Students will become skilled at employing: acting techniques, movement & body control, proper vocalization methods, and the development of characters from different periods and styles of drama. Students will explore historical and cultural studies in theatre and have opportunities to see live productions.

These students will be focusing on developing their creative skills further in acting techniques, movement and voice, character development, and technical theatre designing. Students will have opportunities to see live productions.

Theatre 3-4 Honors, 0400330-40

Credit: 1

Advanced Theatre is for students who have taken Theatre I previously for high school and wish to continue their education in the theatrical arts. Students will focus on developing more accents and dialects, specific directing techniques, acting theory & ensemble work, improvisational skills, creative technical designing and drafting, as well as prepare individual and group pieces to take to Thespian competition on the District and State level. Students will continue to hone skills in public speaking, communication, emotional commitment, body awareness, and having a stronger vocal range and breath support. Levels 3 and 4 are honors weighted courses.

Prerequisites: Audition

Women's Choir 1-2, 130330-320

Credit: 1

This course is designed for female students beginning their high school choral experience. Students will sing a variety of choral literature and styles from different musical type periods and various world cultures. Various after school and evening performances and rehearsals will be required for this class.

AP 2D Art & Design, 0109350

Credit: 1

AP 2-D Art and Design is an introductory college-level two-dimensional design course. Students refine and apply 2-D skills to ideas they develop throughout the course.

For information on this course, please visit the <u>College</u> Board Course and Exam Pages.

Prerequisites: Teacher approval of portfolio

AP Drawing, 0104300

Credit: 1

AP Drawing is an introductory college-level drawing course. Students refine and apply drawing skills to ideas they develop throughout the course.

For information on this course, please visit the <u>College</u> <u>Board Course and Exam Pages</u>.

Prerequisites: Teacher approval of portfolio

Ceramics 1-3, 0102300-320

Credit: 1

Introduction to hand-building methods of creating pottery using pinch, coil and slab. Beginning glazing and firing techniques. Introduction to talking and writing about clay artwork. Students will also be making clay, glazes and loading/ firing different kilns. Describing, interpreting, and judging clay artwork. Ceramics 3 is an honors weighted course.

Drawing 1, 0104340

Credit: 1

Credit: 1

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

Portfolio: Drawing Honors, 0104300

Students work in a self-directed environment to develop a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in drawing, painting, printmaking, and/or mixed media that emphasizes line quality, rendering of form, composition, surface manipulation, and/or illusion of depth.

English Language Arts

English 1, 1001310

Credit: 1

The purpose of this course is to provide grade 9 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

English 1 Honors, 1001320

Credit: 1

The purpose of this course is to provide grade 9 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Pre-AICE English Language, 1001560

Credit: 1

For information on this course, please visit the <u>Cambridge IGCSE Curriculum Page</u>.

English 2, 1001340

Credit: 1

The purpose of this course is to provide grade 10 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

English 2 Honors, 1001350

Credit: 1

The purpose of this course is to provide grade 10 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

Pre-AICE English Literature, 1005380

Credit: 1

For information on this course, please visit the Cambridge IGCSE Curriculum Page.

English 3, 1001370

Credit: 1

The purpose of this course is to provide grade 11 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness.

English 3 Honors, 1001380

Credit: 1

The purpose of this course is to provide grade 11 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness.

AP English Language, 1001340

Credit: 1

For information on this course, please visit the <u>College</u> Board Course and Exam Pages.

AICE English Language, 1001560

Credit: 1

For information on this course, please visit the Cambridge AS & A Levels Curriculum Page.

English 4, 1001390

Credit: 1

The purpose of this course is to provide grade 12 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness.

English 4 Honors, 1001400

Credit: 1

The purpose of this course is to provide grade 12 students, using texts of high complexity, advanced integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness.

AICE English Literature, 1001340

Credit: 1

For information on this course, please visit the <u>Cambridge AS & A Levels Curriculum Page</u>.

AP English Literature, 1001430

Credit: 1

For information on this course, please visit the <u>College</u> <u>Board Course and Exam Pages</u>.

AICE General Paper, 1009400

Credit: 1

For information on this course, please visit the Cambridge AS & A Levels Curriculum Page.

ACCESS Health & Safety, 7920050

Credit: 1

Access courses are intended only for students with a significant cognitive disability. Access courses are designed to provide students with access to the general curriculum. Access points reflect increasing levels of complexity and depth of knowledge aligned with grade-level expectations. The access points included in access courses are intentionally designed to foster high expectations for students with significant cognitive disabilities.

Career Education, 7921330

Credit: 1

The purpose of this course is to enable students with disabilities to apply the knowledge and skills needed to design and implement personal plans for achieving their desired postschool outcomes. The personal plans may address all critical transition service areas, including instruction, related services, community experiences, employment, post school adult living, and, if needed, daily living skills and functional vocational evaluation.

Career Experiences, 7980120

Credit: 1

The purpose of this course is to enable students with disabilities to further develop knowledge and skills to select career options, access community resources, and apply work-related behaviors through guided practice and experiences in school and community work settings. Non-paid community-based vocational education (non-paid CBVE) training programs are typically implemented through this course.

Learning Strategies, 7963080

Credit: 1

This course is designed for students with disabilities who need intensive individualized intervention in learning strategies. The course may address academic skill deficits enabling students to learn strategies to access the general curriculum and close educational gaps.

The purpose of this course is to enable students with disabilities to apply self-determination and self-advocacy skills in school, home, community, and employment settings. Students will increase self-awareness of personal abilities and develop an understanding of the impact of their own disability on learning and on other areas of life.

Leadership

Latinos in Action 1-4, 2400300-330

Credit: 1

For information on this course, please visit the <u>Latinos</u> in Action website.

Prerequisites:

Aerospace Science 1, 1800300

Credit: 1

Air Force JROTC provides students with 14 Areas of academic studies and leadership application that complements teaching in the core content areas. Aviation History, Introduction to the US Air Force, Military Traditions, Customs and Courtesies, and Basic Drill

Prerequisites: n/a

Aerospace Science 2, 1800310

Credit: 1

Air Force JROTC provides students with 14 Areas of academic studies and leadership application that complements teaching in the core content areas. Science of Flight, global and regional cultural studies, communication skills, and drill proficiency.

Prerequisites: Aerospace Science 1

Aerospace Science 3, 1800320

Credit: 1

Air Force JROTC provides students with 14 Areas of academic studies and leadership application that complements teaching in the core content areas. Space exploration and introduction to astronomy, interest inventories, and principles of management interest inventories, and researching careers in aerospace.

Prerequisites: Aerospace Science 2

Aerospace Science 4, 1800330

Credit: 1

Air Force JROTC provides students with 14 Areas of academic studies and leadership application that complements teaching in the core content areas. Leadership and management theory/techniques, writing resumes, financial management and advanced drill.

Prerequisites: Aerospace Science 3

Advanced Drill, 1800340

Description needed

Prerequisites: Aerospace Science 4, SASI Recommendation

SGA 1-4, 2400300-330

Credit: 1

Credit: 1

Emphasis on leadership development skills.

Prerequisites: Application, interview, previous SGA experience preferred

Mathematics

AICE Math 1 AS, 1202352

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge AS & A Levels Curriculum Page</u>.. Earns credit for Geometry for Cambridge Students.

Algebra 1A, 1200370

Credit: 1

This course is intended for students who struggle with mathematics and need an additional year of study to prepare them for the Algebra 1 End of Course Assessment in order to meet the mathematics mastery requirement for graduation. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades.

Algebra 1, 1200310

Credit: 1

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Students engage in methods for analyzing, solving, and using quadratic functions.

Algebra 1 Honors, 1200320

Credit: 1

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Students engage in methods for analyzing, solving, and using quadratic functions.

Algebra 2, 1200330

Credit: 1

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions.

Algebra 2 Honors, 1200340

Credit: 1

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions.

AP Calculus AB, 1202310

Credit: 1

For information on this course, please visit the <u>College</u> <u>Board Course and Exam Pages</u>.

AP Calculus BC, 1202320

Credit: 1

For information on this course, please visit the <u>College</u> <u>Board Course and Exam Pages</u>.

AP Statistics, 1210320

Credit: 1

For information on this course, please visit the <u>College</u> Board Course and Exam Pages.

Geometry, 1206310

Credit: 1

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

Geometry Honors, 1206320

Credit: 1

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

Math for College Algebra, 1200710

Credit: 1

Creating connections of equations and functions to real-world context and modeling: (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 Data & Financial Literacy, 1200384

Credit: 1

Description Needed

Math for Data & Financial Literacy Honors, 1200388

Credit: 1

Description Needed

Pre-AICE Additional Math 3, 1202371

Credit: 1

For information on this course, please visit the <u>Cambridge IGCSE Curriculum Page</u>. Earns credit for Geometry for Cambridge Students.

Pre-AICE Math 2, 12098208

Credit: 1

For information on this course, please visit the <u>Cambridge IGCSE Curriculum Page</u>. Earns credit for Geometry for Cambridge Students.

Pre-AICE Math 3, 12098258

Credit: 1

For information on this course, please visit the <u>Cambridge IGCSE Curriculum Page</u>. Earns credit for Algebra 2 for Cambridge Students.

Pre-Calculus Honors, 1202340

Credit: 1

Description Needed

Probability & Stats Honors, 1210300

Credit: 1

Course develops skill in applying statistical techniques in decision-making through data collection, organization of data, and graphical techniques of exhibiting data.

Miscellaneous Electives

Addition Financial, 8300430

Credit: 1

Earn real world work experience while serving as a bank teller in the Addition Financial branch on campus

AVID 1-4, 1700390-420

Credit: 1

AVID is designed to increase the number of students who enroll and succeed in higher education and in their lives beyond high school. The AVID College Readiness System is a catalyst for developing a school culture that closes the achievement, expectation, and opportunity gaps many students face, and it prepares all students for success in a global society.

www.tinyurl.com/CHSAVID2223

Prerequisites: Application, Interview, Middle School AVID Preferred

Career Decision Making, 1700380

Credit: 0.5

The purpose of this course is to develop career planning competencies, enabling students to make informed academic, career, and life choices. Students will develop the skills needed to successfully investigate possible educational and career options through the use of shared research, in-class assignments, in-class simulation projects.

Creative Writing, 1009320/1009330

Credit: 0.5

The purpose of this course is to enable students to develop and use grade 9-10 writing and language skills for creative expression in a variety of literary forms. Studying and modeling a variety of genres will be emphasized at this level of creative writing.

This course is focused on the use of correct and effective language and organizational skills in preparing, delivering, and evaluating argument and debate. Students will critique debates, paying attention to content, organization, language, and delivery style, and produce and present well-structured, developed arguments, applying oral communication concepts and strategies for public debate in a variety of given settings.

Debate 3, 4, 5, and 6 are honors weighted courses.

Early Release/Late Arrival

Credit: none

Reserved for seniors who are on-track to graduate prior to the semester of enrollment in the course.

Prerequisites: Seniors, on-track to graduate

Financial Literacy, 2102372

Credit: 0.5

The purpose of this course is to encourage 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.

Financial Literacy Honors, 2102374

Credit: 0.5

The purpose of this course is to encourage 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.

Debate 1-6, 1007330-380

Credit: 1

Media Center Internship, 0500300

Credit: 1

The media center executive internship students' main role is to assist students with laptop tech help. No experience is necessary, but excellent customer service is expected when helping other students so regular attendance is important.

Prerequisites: <u>Application</u>, teacher recommendation

Student Services Internship, 0500300

Credit: 1

Executive interns will serve as student assistants for the Student Services Office. They will be responsible for giving campus tours to new students and helping with administrative tasks.

Prerequisites: Seniors only, must be on-track to graduate, application, interview

Yearbook 1-2 Honors, 1006331-332

Credit: 1

Publication of the school yearbook. Mandatory after-school attendance.

Prerequisites: <u>Completed App</u>
<u>Https://tinyurl.com/jour2022ication</u>

Physical Education

HOPE, 3026010/30260108

Credit: 1

HOPE is mandatory for graduation in the state of Florida. Course will encourage and develop students to obtain a lifelong, positive attitude toward being physically fit. Students will acquire knowledge of physical fitness concepts, understand the significance of lifestyle on health and fitness and begin to develop an optimal level of fitness.

Individual Sports, 1502410

Credit: 0.5

This course includes knowledge and application of techniques, scoring, strategies, and rules involved in traditional individual activities such as tennis.

Dual Sports, 1502420

Credit: 0.5

This course includes knowledge and application of techniques, scoring, strategies, and rules involved in traditional dual activities such as basketball.

Team Sports 1 & 2, 1502410/420

Credit: 0.5 each

Opportunity to acquire knowledge of strategies of team sports play, application of techniques, skills, strategies, rules and safety practices in various team sports.

Weight Train 1 & 2, 1501340/350

Credit: 0.5 each

Provides students with opportunities to acquire knowledge and skills in weight training including an assessment of muscular strength and endurance as well as a knowledge of health problems associated with inadequate levels of muscular strength, skeletal muscles, sound nutritional practices, and consumer issues related to weight training.

Weight Training 3, 1501360

Credit: 0.5

Provides students with opportunities to acquire knowledge and skills in weight training including an assessment of muscular strength and endurance as well as a knowledge of health problems associated with inadequate levels of muscular strength, skeletal muscles, sound nutritional practices, and consumer issues related to weight training.

Prerequisites: Weight Training 1 and 2

Power Weight Training, 1501410

Credit: 0.5

Provides students with opportunities to acquire knowledge and skills in weight training including an assessment of muscular strength and endurance as well as a knowledge of health problems associated with inadequate levels of muscular strength, skeletal muscles, sound nutritional practices, and consumer issues related to weight training.

Prerequisites: Weight Training 1 and 2

First Aid & Safety, 0800320,

Credit: 0.5

This course provides a basic overview of the causes and preventions of unintentional injuries, appropriate emergency responses to those injuries and crisis response planning. Safety education should include cardiopulmonary resuscitation (CPR) and the use of an automatic external defibrillator (AED), first aid for obstructed airway, and injury prevention

Care & Prevention, 1502490

Credit: 0.5

This course provides a basic overview of the causes and preventions of unintentional injuries, appropriate emergency responses to those injuries and crisis response planning. Safety education should include cardiopulmonary resuscitation (CPR) and the use of an automatic external defibrillator (AED), first aid for obstructed airway, and injury prevention

Sciences

AP Biology, 2000340

Credit: 1

The purpose of this course is to provide a study of the facts, principles, and processes of biology and the collection, interpretation, and formulation of hypotheses from available data. For information on this course, please visit the <u>College Board Course and Exam Pages</u>.

AP Environmental Sci., 2001380

Credit: 1

The AP Environmental Science course is a year-long course designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. Description needed. For information on this course, please visit the College Board Course and Exam Pages.

AICE Biology, 2000321

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge AS & A Levels Curriculum Page</u>..

AICE Chemistry, 2003371

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge AS & A Levels Curriculum Page</u>..

AICE Marine Science, 2002515

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge</u> AS & A Levels Curriculum Page..

AICE Marine Science 2 A, 2002535

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge</u> AS & A Levels Curriculum Page..

AICE Physics 1, 2003431

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge</u> AS & A Levels Curriculum Page..

Agriscience Foundations, 8106810

Credit: 1

Students learn about animals and plants and how we use them to meet human needs. Using a hands-on approach in our land laboratory, topics include animal science, plant science, natural resources, food science, genetics, and the history of agriculture. Through class enrollment, students become members of the Orlando Colonial FFA, a leadership organization offering social, service, and educational opportunities including field trips, guest speakers, and curriculum related competitions.

Astronomy Honors, 2001350

Credit: 1

The purpose of this course is to enable students to develop and apply knowledge of the universe to compare the conditions, properties, and motions of bodies in space. Emphasis shall be placed on concepts basic to Earth, including materials, processes, history, and the environment.

Anatomy & Physiology Hon, 2000360

Credit: 1

Topics include: anatomical terminology; skeletal, muscular, nervous, special sensory organs; endocrine, circulatory, respiratory, digestive, excretory, and reproductive homeostasis; immune response; inheritance; Lab components are stressed and career opportunities explored.

Biology, 2000310

Credit: 1

Study of living organisms. Topics include scientific methods, biochemistry, genetics, anatomy, and biodiversity. A laboratory component will stress science processes and skills.

Biology Honors, 2000320

Credit: 1

Course explores deeper into topics such as microorganisms and disease. Current biological issues will be an integral part of the course. Designed to prepare students to take advanced/AP science courses during their junior or senior year. Course includes a Lab component.

Chemistry Honors, 2003350

Credit: 1

Includes the composition, changes of matter, atomic theory, classification, structure of matter, heat, periodic table, bonding chemical formulae, gas laws, energy and order, reaction rates, equilibrium, solutions, nuclear chemistry, electro-chemistry and organic chemistry. Designed to prepare students to take advanced/AP science courses. A laboratory component will stress science processes and skills.

Environmental Science, 2001340

Credit: 1

Provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world, to identify and analyze environmental problems both natural and manmade, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing the problems. Environmental science is a multidisciplinary science, combining aspects of biology, chemistry, and ecology

Forensic Science, 2002480

Credit: 1

This course is designed with the intent to introduce students to the scientific concepts behind objective reasoning and scientific investigation used in solving crimes. The course focuses on everything from advanced scientific techniques used in crime scene analysis to proper formulation of support for courtroom testimony. Due to the often graphic and violent nature of topics covered throughout this course, it is generally not recommended for those under sixteen years of age.

Marine Science Honors, 2002510

Credit: 1

The purpose of this course is to provide the student with a survey of the marine biome. Topics include physical oceanography, marine geology, marine ecology, and man and the marine community.

Pre-AICE Physics, 2003432

Credit: 1

For information on this course, please visit the Cambridge IGCSE Curriculum Page.

Prerequisites: Algebra 1, Geometry, enrolled in Algebra 2 or equivalent math course

Pre-AICE Biology, 2000322

Credit: 1

For information on this course, please visit the Cambridge IGCSE Curriculum Page.

Pre-AICE Chemistry, 2003372

Credit: 1

For information on this course, please visit the Cambridge IGCSE Curriculum Page.

Prerequisites: Algebra 1, Geometry, enrolled in Algebra 2 or equivalent math course

Social Studies

AICE European History, 2109380

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge AS & A Levels Curriculum Page</u>..

AICE United States History,

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge</u> AS & A Levels Curriculum Page..

AP Human Geography, 2103400

Credit: 1

Course introduces students to the study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Will examine human social organization and its environmental consequences. Course instruction provides the foundation to be successful in future AP courses. For information on this course, please visit the College Board Course and Exam Pages.

AP Psychology, 2107350

Credit: 1

For information on this course, please visit the <u>College</u> Board Course and Exam Pages.

AP US Government, 2106420

Credit: 1

The government component of this class will establish a high level of understanding in the structure and purpose of US government, political beliefs, voting behaviors, the impact of the mass media, civil rights and liberties granted through the Constitution, and political parties. For information on this course, please visit the College Board Course and Exam Pages.

AP United States History, 2100330

Credit: 1

For information on this course, please visit the <u>College</u> <u>Board Course and Exam Pages.</u>

AP World History, 2109420

Credit: 1

For information on this course, please visit the <u>College Board Course and Exam Pages</u>.

Economics, 2102335

Credit: 0.5

This course includes the role and impact of economic wants, productive resources, scarcity and choices, opportunity costs and tradeoffs, economic incentives, specialization, comparative advantage, division of labor, citizen as producer, consumer and decision-making, money and financial institutions.

Economics Honors, 2102335

Credit: 0.5

In addition to the above topics, this course provides students with a comprehensive understanding of the way society organizes to utilize limited resources, to satisfy unlimited wants and distinguishing characteristics of other types of economic systems.

Psychology 1-2, 2107300-310

Credit: 0.5

This course is a study of human behavior, behavioral interaction, and progressive development of individuals. It includes theories and methods of study which include human growth and development, self-concept development, adjustment motivation, desire, intelligence, conditioning and learning, memory, personality, and behavior.

US Government, 2106310

Credit: 0.5

Topics taught in this course include analysis of documents shaping political traditions. Constitution, Bill of Rights, the role of the three branches of government at local, state and national levels, the evolving role of political parties and interest groups in determining policy, rights responsibilities of citizens, the importance of the individual and civic participation in a democratic society

US Government Honors, 2106320

Credit: 0.5

In addition to the above topics, the course focuses on the structure, functions, and purposes of government and the role of the citizen in American democracy. Course emphasizes an understanding of the branches of government and the system of checks and balances. Course includes chronological development of the U.S. with emphasis on the twentieth century. It examines the events affecting growth of the nation from the age of discovery to reconstruction. Topics include industrialization, foreign policy, influence of major figures/events, economic cycles, evolution of lifestyles and ideals, urbanization, reform and contemporary issues.

US History Honors, 2100310

Credit: 1

Course offers an in-depth study of the chronological development of the U.S. with emphasis on the twentieth century. It examines the events, using historical method and reasoning, the inquiry process, interpretation and issues of external and internal validity, foreign policy, influence of major figures/ events, economic cycles, evolution of lifestyles and ideals, urbanization, reform and contemporary issues.

Women's Studies,

Credit:0.5

In this course we will explore gender and how it influences the way women perceive the world and the world sees women

Topics include:

- Women's History
- Women in the Media
- Women in the workforce
- Politics and Law
- Patriarchal v Matriarchal societies
- Other topics of interest & current events

World History, 2109310

Credit: 1

This course will cover the many cultures and time periods of this world from ancient times to the present. Students will not only gain important information from history, but will learn tolerance and become more aware of the people around them, including themselves.

Course addresses the chronological development of civilization. Topics include the rise of civilization, religions, political and economic systems, interaction of science and society, the influence of major historical figures and events, cultural diversity, phenomenon of nationalism, international relations, and contemporary world affairs..

World Religions, 2105310

Credit:0.5

Come take a trip around the world to study the various Religions, Mythologies, and Philosophies that have helped shape and form our global history.

World Languages

AICE Spanish AS Level, 0708538

Credit: 1

For information on this course, please visit the For information on this course, please visit the <u>Cambridge AS & A Levels Curriculum Page</u>..

AP Spanish Language, 0708400

Credit: 1

Prepares students to demonstrate level of Spanish proficiency through interpersonal, interpretive, and presentational modes. For information on this course, please visit the <u>College Board Course and Exam Pages</u>.

Prerequisites: Spanish 3 or 4 or pre-existing Spanish proficiency

AP Spanish Literature, 078410

Credit: 1

Prepares students to demonstrate level of Spanish proficiency through introduction to the formal study of Peninsular and Latin American literary texts. <u>College Board Course and Exam Pages.</u>

Prerequisites: AP Spanish Language

French 1-3, 0701320-340

Credit: 1

Presents communicative skills of listening, speaking, reading, writing and grammar. Greetings, social pleasantries, classroom objects and activities, weather and time expressions, activities and interests, transportation and travel, menus, schedules, signs and shopping are also introduced. increases listening, speaking, reading and writing skills and cultural awareness. French 3 is weighted as an honors level course.

Spanish 1-4, 0708340-370

Credit: 1

Enables students to acquire proficiency in Spanish through a linguistic, communicative, and cultural approach to language learning. Developing listening, speaking, reading, and writing skills and on acquisition of applied grammar. Native Spanish speaking students may not register for Spanish 1. Spanish 3 and 4 is weighted as an honors level course.

Spanish for Spanish Speakers 1-2, 0709300-310

Credit: 1

This course is designed to further develop Spanish language listening, speaking, reading, and writing competencies for students who have grown up with Spanish as a home language. The course reflects a commitment to student- centered, communicative, proficiency-based language-learning activities. The course includes a wide variety of literature, presents authentic language in context, provides cultural perspectives, and addresses all four basic language skills.

Academic Planning Sheet

Use the below template to map out your academic plan of study toward graduation. This planning sheet should be reviewed annually with your school counselor.

Name:			Class Of:	
Pre-Major:			Plan After High School:	
	Grade 9	Grade 10	Grade 11	Grade 12
Language Arts				
Mathematics				
Sciences				
Social Studies				
НОРЕ				
Fine Arts				
Online Course				
Elective				
Elective				
Total Credits Earned				
_				
•	Reviewed By, Date	Reviewed By, Date	Reviewed By, Date	Reviewed By, Date